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## MODULAR EQUIPMENT




### Modular circuit breakers

Designed to protect 230/400 V, 50 Hz electrical networks and equipment against overload and short-circuit currents, as well as infrequent operational switching of electrical networks. Domestic use.






#### Modular circuit breakers e.mcb.stand.45

	Title	Number of poles	Characteristics time-current	Rated breaking capacity, Icn, kA	Rated current, In, A	Product code
	e.mcb.stand.45.1.B1	1	B	4,5	1	s001001
	e.mcb.stand.45.1.B2				2	s001002
	e.mcb.stand.45.1.B3				3	s001003
	e.mcb.stand.45.1.B4				4	s001004
	e.mcb.stand.45.1.B5				5	s001005
	e.mcb.stand.45.1.B6				6	s001006
	e.mcb.stand.45.1.B10				10	s001007
	e.mcb.stand.45.1.B16				16	s001008
	e.mcb.stand.45.1.B20				20	s001009
	e.mcb.stand.45.1.B25				25	s001010
	e.mcb.stand.45.1.B32				32	s001011
	e.mcb.stand.45.1.B40				40	s001012
	e.mcb.stand.45.1.B50				50	s001013
	e.mcb.stand.45.1.B63				63	s001014
					e.mcb.stand.45.2.B6	2
e.mcb.stand.45.2.B10		10	s001016			
e.mcb.stand.45.2.B16		16	s001017			
e.mcb.stand.45.2.B20		20	s001018			
e.mcb.stand.45.2.B25		25	s001019			
e.mcb.stand.45.2.B32		32	s001020			
e.mcb.stand.45.2.B40		40	s001021			
e.mcb.stand.45.2.B50		50	s001022			
	e.mcb.stand.45.3.B6	3	B	4,5	6	s001024
	e.mcb.stand.45.3.B10				10	s001025
	e.mcb.stand.45.3.B16				16	s001026
	e.mcb.stand.45.3.B20				20	s001027
	e.mcb.stand.45.3.B25				25	s001028
	e.mcb.stand.45.3.B32				32	s001029
	e.mcb.stand.45.3.B40				40	s001030
	e.mcb.stand.45.3.B50				50	s001031
	e.mcb.stand.45.4.B16	4	B	4,5	16	s001034
	e.mcb.stand.45.1.C1	1	C	4,5	1	s002001
e.mcb.stand.45.1.C2	2				s002002	
e.mcb.stand.45.1.C3	3				s002003	
e.mcb.stand.45.1.C4	4				s002004	
e.mcb.stand.45.1.C5	5				s002005	
e.mcb.stand.45.1.C6	6				s002006	
e.mcb.stand.45.1.C10	10				s002007	
e.mcb.stand.45.1.C16	16				s002008	
e.mcb.stand.45.1.C20	20				s002009	
e.mcb.stand.45.1.C25	25				s002010	
e.mcb.stand.45.1.C32	32				s002011	

# Electrical Newest Exclusive Extended Technologies

Title	Number of poles	Characteristics time-current	Rated breaking capacity, Icn, kA	Rated current, In, A	Product code	
	1	C	4,5	40	s002012	
				e.mcb.stand.45.1.C50	50	s002013
				e.mcb.stand.45.1.C63	63	s002014
	e.mcb.stand.45.2.C1			1	s002054	
	e.mcb.stand.45.2.C2			2	s002041	
	e.mcb.stand.45.2.C3			3	s002042	
	e.mcb.stand.45.2.C4			4	s002043	
	e.mcb.stand.45.2.C5			5	s002055	
	e.mcb.stand.45.2.C6			6	s002015	
	e.mcb.stand.45.2.C8			8	s002044	
	e.mcb.stand.45.2.C10			10	s002016	
	e.mcb.stand.45.2.C16			16	s002017	
e.mcb.stand.45.2.C20	20	s002018				
e.mcb.stand.45.2.C25	25	s002019				
e.mcb.stand.45.2.C32	32	s002020				
e.mcb.stand.45.2.C40	40	s002021				
e.mcb.stand.45.2.C50	50	s002022				
e.mcb.stand.45.2.C63	63	s002023				
	3	C	4,5	1	s002024	
				e.mcb.stand.45.3.C2	2	s002025
				e.mcb.stand.45.3.C3	3	s002026
				e.mcb.stand.45.3.C4	4	s002027
				e.mcb.stand.45.3.C5	5	s002028
				e.mcb.stand.45.3.C6	6	s002029
				e.mcb.stand.45.3.C8	8	s002045
				e.mcb.stand.45.3.C10	10	s002030
				e.mcb.stand.45.3.C16	16	s002031
				e.mcb.stand.45.3.C20	20	s002032
				e.mcb.stand.45.3.C25	25	s002033
				e.mcb.stand.45.3.C32	32	s002034
e.mcb.stand.45.3.C40	40	s002035				
e.mcb.stand.45.3.C50	50	s002036				
e.mcb.stand.45.3.C63	63	s002037				
	4	C	4,5	10	s002046	
				e.mcb.stand.45.4.C16	16	s002047
				e.mcb.stand.45.4.C20	20	s002048
				e.mcb.stand.45.4.C25	25	s002049
				e.mcb.stand.45.4.C32	32	s002050
				e.mcb.stand.45.4.C40	40	s002051
				e.mcb.stand.45.4.C50	50	s002052
				e.mcb.stand.45.4.C63	63	s002053
e.mcb.stand.60.1.B1	1	B	6	1	s001101	
				e.mcb.stand.60.1.B2	2	s001102
				e.mcb.stand.60.1.B3	3	s001103
				e.mcb.stand.60.1.B4	4	s001104
				e.mcb.stand.60.1.B5	5	s001105
				e.mcb.stand.60.1.B6	6	s001106
				e.mcb.stand.60.1.B10	10	s001107
				e.mcb.stand.60.1.B16	16	s001108
				e.mcb.stand.60.1.B20	20	s001109
				e.mcb.stand.60.1.B25	25	s001110
				e.mcb.stand.60.1.B32	32	s001111
				e.mcb.stand.60.1.B40	40	s001112
				e.mcb.stand.60.1.B50	50	s001113

## Modular circuit breakers e.mcb.stand.60

Title	Number of poles	Characteristics time-current	Rated breaking capacity, Icn, kA	Rated current, In, A	Product code		
 e.mcb.stand.60.1.B63	1	B	6	63	s001114		
 e.mcb.stand.60.2.B 2	2			2	s001133		
e.mcb.stand.60.2.B6				6	s001115		
e.mcb.stand.60.2.B10				10	s001116		
e.mcb.stand.60.2.B16				16	s001117		
e.mcb.stand.60.2.B20				20	s001118		
e.mcb.stand.60.2.B25				25	s001119		
e.mcb.stand.60.2.B32				32	s001120		
e.mcb.stand.60.2.B40				40	s001121		
e.mcb.stand.60.2.B50				50	s001122		
e.mcb.stand.60.2.B63				63	s001123		
 e.mcb.stand.60.3.B.6				3	6	s001124	
e.mcb.stand.60.3.B.10	10				s001125		
e.mcb.stand.60.3.B.16	16				s001126		
e.mcb.tand.60.3.B.20	20				s001127		
e.mcb.stand.60.3.B.25	25				s001128		
e.mcb.stand.60.3.B.32	32				s001129		
e.mcb.tand.60.3.B.40	40				s001130		
e.mcb.tand.60.3.B.50	50				s001131		
e.mcb.stand.60.3.B.63	63			s001132			
 e.mcb.stand.60.1.C1	1			C	6	1	s002101
e.mcb.stand.60.1.C2						2	s002102
e.mcb.stand.60.1.C3						3	s002103
e.mcb.stand.60.1.C4						4	s002104
e.mcb.stand.60.1.C5						5	s002105
e.mcb.stand.60.1.C6						6	s002106
e.mcb.stand.60.1.C 8						8	s002156
e.mcb.stand.60.1.C10						10	s002107
e.mcb.stand.60.1.C13						13	s002157
e.mcb.stand.60.1.C16						16	s002108
e.mcb.stand.60.1.C20						20	s002109
e.mcb.stand.60.1.C25						25	s002110
e.mcb.stand.60.1.C32						32	s002111
e.mcb.stand.60.1.C35		35	s002161				
 e.mcb.stand.60.1.C40		1	40			s002112	
e.mcb.stand.60.1.C45			45			s002162	
e.mcb.stand.60.1.C50	50		s002113				
e.mcb.stand.60.1.C63	63		s002114				
 e.mcb.stand.60.2.C1	2	1	s002154				
e.mcb.stand.60.2.C2		2	s002141				
e.mcb.stand.60.2.C3		3	s002142				
e.mcb.stand.60.2.C4		4	s002143				
e.mcb.stand.60.2.C5		5	s002155				
e.mcb.stand.60.2.C6		6	s002115				
e.mcb.stand.60.2.C8		8	s002144				
e.mcb.stand.60.2.C10		10	s002116				





Title	Number of poles	Characteristics time-current	Rated breaking capacity, Icn, kA	Rated current, In, A	Product code			
e.mcb.stand.60.2.C13				13	s002158			
e.mcb.stand.60.2.C16				16	s002117			
e.mcb.stand.60.2.C20				20	s002118			
e.mcb.stand.60.2.C25				25	s002119			
e.mcb.stand.60.2.C32				32	s002120			
e.mcb.stand.60.2.C40				40	s002121			
e.mcb.stand.60.2.C50				50	s002122			
e.mcb.stand.60.2.C63				63	s002123			
e.mcb.stand.60.3.C1	3			1	s002124			
e.mcb.stand.60.3.C2				2	s002125			
e.mcb.stand.60.3.C3				3	s002126			
e.mcb.stand.60.3.C4				4	s002127			
e.mcb.stand.60.3.C5				5	s002128			
e.mcb.stand.60.3.C6				6	s002129			
e.mcb.stand.60.3.C8				8	s002145			
e.mcb.stand.60.3.C10				10	s002130			
e.mcb.stand.60.3.C13				13	s002159			
e.mcb.stand.60.3.C16				16	s002131			
e.mcb.stand.60.3.C20				20	s002132			
e.mcb.stand.60.3.C25				25	s002133			
e.mcb.stand.60.3.C28				28	s002163			
e.mcb.stand.60.3.C32				32	s002134			
e.mcb.stand.60.3.C36				36	s002164			
e.mcb.stand.60.3.C40				40	s002135			
e.mcb.stand.60.3.C45				45	s002165			
e.mcb.stand.60.3.C50				50	s002136			
e.mcb.stand.60.3.C55				55	s002166			
e.mcb.stand.60.3.C60				60	s002167			
e.mcb.stand.60.3.C63				63	s002137			
e.mcb.stand.60.4.C6				4			6	s002160
e.mcb.stand.60.4.C10							10	s002146
e.mcb.stand.60.4.C16							16	s002147
e.mcb.stand.60.4.C20	20	s002148						
e.mcb.stand.60.4.C25	25	s002149						
e.mcb.stand.60.4.C32	32	s002150						
e.mcb.stand.60.4.C40	40	s002151						
e.mcb.stand.60.4.C50	50	s002152						
e.mcb.stand.60.4.C63	63	s002153						

## Modular circuit breakers for DC e.mcb.stand.60.DC

Designed to protect mains and DC-powered equipment from overload and short-circuit, as well as infrequent mains operational switching.



Title	Number of poles	Rated operating voltage DC, V	Rated current, A	Product code
e.mcb.stand.60.DC.1.C1	1	250	1	s081001
e.mcb.stand.60.DC.1.C2			2	s081002
e.mcb.stand.60.DC.1.C4			4	s081003
e.mcb.stand.60.DC.1.C6			6	s081004
e.mcb.stand.60.DC.1.C10			10	s081005
e.mcb.stand.60.DC.1.C16			16	s081006
e.mcb.stand.60.DC.1.C20			20	s081007
e.mcb.stand.60.DC.1.C25			25	s081008

Title	Number of poles	Rated operating voltage DC, V	Rated current, A	Product code
e.mcb.stand.60.DC.1.C32	1	250	32	s081009
e.mcb.stand.60.DC.1.C40			40	s081010
e.mcb.stand.60.DC.1.C50			50	s081011
e.mcb.stand.60.DC.1.C63			63	s081012
e.mcb.stand.60.DC.2.C1	2	500	1	s081013
e.mcb.stand.60.DC.2.C2			2	s081014
e.mcb.stand.60.DC.2.C3			3	s081015
e.mcb.stand.60.DC.2.C4			4	s081016
e.mcb.stand.60.DC.2.C6			6	s081017
e.mcb.stand.60.DC.2.C10			10	s081018
e.mcb.stand.60.DC.2.C16			16	s081019
e.mcb.stand.60.DC.2.C20			20	s081020
e.mcb.stand.60.DC.2.C25			25	s081021
e.mcb.stand.60.DC.2.C32			32	s081022
e.mcb.stand.60.DC.2.C40			40	s081023
e.mcb.stand.60.DC.2.C50			50	s081024
e.mcb.stand.60.DC.2.C63			63	s081025



### Modular circuit breakers e.mcb.stand.100

Title	Number of poles	Characteristics time-current	Rated breaking capacity, Icn, kA	Rated current, In, A	Product code
e.mcb.stand.100.1.C63	1	C	10	63	s002204
e.mcb.stand.100.1.C80				80	s002205
e.mcb.stand.100.1.C100				100	s002206
e.mcb.stand.100.1.C125				125	s002207
e.mcb.stand.100.2.C63	2			63	s002208
e.mcb.stand.100.2.C80				80	s002209
e.mcb.stand.100.2.C100				100	s002210
e.mcb.stand.100.2.C125	3			125	s002211
e.mcb.stand.100.3.C63				63	s002212
e.mcb.stand.100.3.C70				70	s002201
e.mcb.stand.100.3.C75				75	s002202
e.mcb.stand.100.3.C80	4			80	s002213
e.mcb.stand.100.3.C83				83	s002203
e.mcb.stand.100.3.C100				100	s002214
e.mcb.stand.100.3.C125				125	s002215
e.mcb.stand.100.4.C63	4			63	s002216
e.mcb.stand.100.4.C80		80	s002217		
e.mcb.stand.100.4.C100		100	s002218		
e.mcb.stand.100.4.C125		125	s002219		
e.mcb.stand.100.1.D63	1	D	63	s026011	
e.mcb.stand.100.1.D80			80	s026012	
e.mcb.stand.100.1.D100			100	s026013	
e.mcb.stand.100.1.D125			125	s026014	
e.mcb.stand.100.3.D63	3		63	s026001	
e.mcb.stand.100.3.D80			80	s026002	
e.mcb.stand.100.3.D100			100	s026003	
e.mcb.stand.100.3.D125			125	s026004	









### Modular circuit breakers e.mcb.pro

Designed to protect 230/400 V, 50 Hz electrical networks and equipment against overcurrents and short-circuits, as well as infrequent operational switching of electrical networks.








Title	Number of poles	Characteristics time-current	Rated breaking capacity, Icn, kA	Rated current, In, A	Product code
e.mcb.pro.60.1.B1 new	1	B	6	1	p041001
e.mcb.pro.60.1.B2 new				2	p041002
e.mcb.pro.60.1.B3 new				3	p041003
e.mcb.pro.60.1.B4 new				4	p041004
e.mcb.pro.60.1.B5 new				5	p041005
e.mcb.pro.60.1.B6 new				6	p041006
e.mcb.pro.60.1.B10 new				10	p041007
e.mcb.pro.60.1.B16 new				16	p041008
e.mcb.pro.60.1.B20 new				20	p041009
e.mcb.pro.60.1.B25 new				25	p041010
e.mcb.pro.60.1.B32 new				32	p041011
e.mcb.pro.60.1.B40 new				40	p041012
e.mcb.pro.60.1.B50 new				50	p041013
e.mcb.pro.60.1.B63 new				63	p041014
e.mcb.pro.60.2.B6 new	2	B	6	6	p041015
e.mcb.pro.60.2.B10 new				10	p041016
e.mcb.pro.60.2.B16 new				16	p041017
e.mcb.pro.60.2.B20 new				20	p041018
e.mcb.pro.60.2.B25 new				25	p041019
e.mcb.pro.60.2.B32 new				32	p041020
e.mcb.pro.60.2.B40 new				40	p041021
e.mcb.pro.60.2.B50 new				50	p041022
e.mcb.pro.60.2.B63 new				63	p041023
e.mcb.pro.60.3.B6 new				3	B
e.mcb.pro.60.3.B10 new	10	p041025			
e.mcb.pro.60.3.B16 new	16	p041026			
e.mcb.pro.60.3.B20 new	20	p041027			
e.mcb.pro.60.3.B25 new	25	p041028			
e.mcb.pro.60.3.B32 new	32	p041029			
e.mcb.pro.60.3.B40 new	40	p041030			
e.mcb.pro.60.3.B50 new	50	p041031			
e.mcb.pro.60.3.B63 new	63	p041032			
e.mcb.pro.60.1.C1 new	1	C	6	1	p042001
e.mcb.pro.60.1.C2 new				2	p042002
e.mcb.pro.60.1.C3 new				3	p042003
e.mcb.pro.60.1.C4 new				4	p042004
e.mcb.pro.60.1.C5 new				5	p042005
e.mcb.pro.60.1.C6 new				6	p042006
e.mcb.pro.60.1.C10 new				10	p042007
e.mcb.pro.60.1.C16 new				16	p042008
e.mcb.pro.60.1.C20 new				20	p042009
e.mcb.pro.60.1.C25 new				25	p042010
e.mcb.pro.60.1.C32 new				32	p042011
e.mcb.pro.60.1.C40 new				40	p042012
e.mcb.pro.60.1.C50 new				50	p042013
e.mcb.pro.60.1.C63 new				63	p042014
e.mcb.pro.60.2.C6 new				2	p042015

	e.mcb.pro.60.2.C10 new	2	C	6	10	p042016
	e.mcb.pro.60.2.C16 new				16	p042017
	e.mcb.pro.60.2.C20 new				20	p042018
	e.mcb.pro.60.2.C25 new				25	p042019
	e.mcb.pro.60.2.C32 new				32	p042020
	e.mcb.pro.60.2.C40 new				40	p042021
	e.mcb.pro.60.2.C50 new				50	p042022
	e.mcb.pro.60.2.C63 new				63	p042023
	e.mcb.pro.60.3.C1 new	3	C	6	1	p042024
	e.mcb.pro.60.3.C2 new				2	p042025
	e.mcb.pro.60.3.C3 new				3	p042026
	e.mcb.pro.60.3.C4 new				4	p042027
	e.mcb.pro.60.3.C5 new				5	p042028
	e.mcb.pro.60.3.C6 new				6	p042029
	e.mcb.pro.60.3.C10 new				10	p042030
	e.mcb.pro.60.3.C16 new				16	p042031
	e.mcb.pro.60.3.C20 new				20	p042032
	e.mcb.pro.60.3.C25 new				25	p042033
	e.mcb.pro.60.3.C32 new				32	p042034
	e.mcb.pro.60.3.C40 new				40	p042035
e.mcb.pro.60.3.C50 new	50	p042036				
e.mcb.pro.60.3.C63 new	63	p042037				
	e.mcb.pro.60.1.D.1	1	D	6	1	p0710001
	e.mcb.pro.60.1.D.2				2	p0710002
	e.mcb.pro.60.1.D.3				3	p0710003
	e.mcb.pro.60.1.D.4				4	p0710004
	e.mcb.pro.60.1.D.5				5	p0710005
	e.mcb.pro.60.1.D.6				6	p0710006
	e.mcb.pro.60.1.D.10				10	p0710007
	e.mcb.pro.60.1.D.16				16	p0710008
	e.mcb.pro.60.1.D.25				25	p0710009
	e.mcb.pro.60.1.D 32 new				32	p0710020
	e.mcb.pro.60.1.D 40 new				40	p0710021
	e.mcb.pro.60.1.D 50 new				50	p0710022
e.mcb.pro.60.1.D 63 new	63	p0710023				
	e.mcb.pro.60.3.D.2	3	D	6	2	p0710010
	e.mcb.pro.60.3.D.6				6	p0710019
	e.mcb.pro.60.3.D.10				10	p0710011
	e.mcb.pro.60.3.D.16				16	p0710012
	e.mcb.pro.60.3.D.20				20	p0710013
	e.mcb.pro.60.3.D.25				25	p0710014
	e.mcb.pro.60.3.D.32				32	p0710015
	e.mcb.pro.60.3.D.40				40	p0710016
	e.mcb.pro.60.1.K63 new	1	K	6	63	p0430001
	e.mcb.pro.60.1.K80 new				80	p0430002
	e.mcb.pro.60.1.K100 new				100	p0430003
	e.mcb.pro.60.1.K125 new				125	p0430004
	e.mcb.pro.60.3.K 63 new				63	p0430005
	e.mcb.pro.60.3.K 80 new	3	K	6	80	p0430006
	e.mcb.pro.60.3.K 100 new				100	p0430007
	e.mcb.pro.60.3.K 125 new				125	p0430008

### Modular circuit breakers e.industrial.mcb

Designed to protect 230/400 V, 50 Hz mains and electrical equipment against overload and short-circuit currents, as well as infrequent operational switching of electrical networks. Industrial applications.

	Title	Number of poles	Characteristics time-current	Rated breaking capacity, Icn, kA	Rated current, In, A	Product code						
	e.industrial.mcb.100.1.C6	1	C	10	6	i0180001						
	e.industrial.mcb.100.1.C10				10	i0180002						
	e.industrial.mcb.100.1.C16				16	i0180003						
	e.industrial.mcb.100.1.C20				20	i0180004						
	e.industrial.mcb.100.1.C25				25	i0180005						
	e.industrial.mcb.100.1.C32				32	i0180006						
	e.industrial.mcb.100.1.C40				40	i0180007						
	e.industrial.mcb.100.1.C50				50	i0180008						
	e.industrial.mcb.100.1.C63				63	i0180009						
	e.industrial.mcb.100.2.C6	2			C	10	6	i0180010				
	e.industrial.mcb.100.2.C10						10	i0180011				
	e.industrial.mcb.100.2.C16						16	i0180012				
	e.industrial.mcb.100.2.C20						20	i0180013				
	e.industrial.mcb.100.2.C25						25	i0180014				
	e.industrial.mcb.100.2.C32						32	i0180015				
	e.industrial.mcb.100.2.C40						40	i0180016				
	e.industrial.mcb.100.2.C50						50	i0180017				
	e.industrial.mcb.100.2.C63						63	i0180018				
	e.industrial.mcb.100.3.C6	3					C	10	6	i0180019		
	e.industrial.mcb.100.3.C10								10	i0180020		
	e.industrial.mcb.100.3.C16								16	i0180021		
	e.industrial.mcb.100.3.C20								20	i0180022		
	e.industrial.mcb.100.3.C25								25	i0180023		
	e.industrial.mcb.100.3.C32								32	i0180024		
	e.industrial.mcb.100.3.C40								40	i0180025		
	e.industrial.mcb.100.3.C50								50	i0180026		
	e.industrial.mcb.100.3.C63								63	i0180027		
	e.industrial.mcb.100.4.C6	4							C	10	6	i0180028
	e.industrial.mcb.100.4.C10										10	i0180029
	e.industrial.mcb.100.4.C16										16	i0180030
	e.industrial.mcb.100.4.C20										20	i0180031
	e.industrial.mcb.100.4.C25										25	i0180032
	e.industrial.mcb.100.4.C32										32	i0180033
	e.industrial.mcb.100.4.C40										40	i0180034
	e.industrial.mcb.100.4.C50										50	i0180035
	e.industrial.mcb.100.4.C63										63	i0180036
	e.industrial.mcb.100.3.D6	3	D	10							6	i0200001
	e.industrial.mcb.100.3.D10										10	i0200002
	e.industrial.mcb.100.3.D16										16	i0200003
	e.industrial.mcb.100.3.D20										20	i0200004
	e.industrial.mcb.100.3.D25										25	i0200005
	e.industrial.mcb.100.3.D32										32	i0200006
	e.industrial.mcb.100.3.D40										40	i0200007
	e.industrial.mcb.100.3.D50										50	i0200008
	e.industrial.mcb.100.3.D63										63	i0200009

## Accessories for stand.45 and pro modular switches (B, C, D)

### Additional contact

It is designed to indicate the status of the e.mcb.stand and e.mcb.pro circuit breaker contact group in control and signalling circuits. Industrial applications.



Title	Rated current at control voltage, A				Product code
	SPEAKER 415 V	LOUDSPEAKER ≤ 240 V	DC 125 V	DC ≤ 48 V	
e.mcb.aux	3	6	1	2	p042100

### Emergency contact

It is designed for signalling the emergency operation of e.mcb.stand and e.mcb.pro in control and signalling circuits.



Title	Rated current at control voltage, A				Product code
	SPEAKER 415 V	LOUDSPEAKER ≤ 240 V	DC 125 V	DC ≤ 48 V	
e.mcb.alt	3	6	1	2	p042101

### Independent release unit

It is designed for remote tripping of e.mcb.stand.45 and e.mcb.pro circuit breakers.



Title	Rated control voltage, V		Product code
	AC	DC	
e.mcb.sht	110-415	110-130	p042103

### Minimum voltage disconnecter

It is designed to trip circuit breakers of the e.mcb.stand.45 and e.mcb.pro series when the mains voltage drops below 0.7 V.



Title	Rated control voltage, V		Product code
	AC		
e.mcb.uvt	80-160		p042104

## Accessories for modular circuit breakers stand.60

### Additional contact

Designed to indicate the status of the e.mcb.stand.60 circuit breaker contact group in control and signalling circuits.



Title	Rated current at control voltage, A					Product code
	SPEAKER 415 V	LOUDSPEAKER ≤ 240 V	DC 125 V	DC ≤ 48 V	DC ≤ 24 V	
e.mcb.sdand.60.aux	3	6	1	2	6	s1042100

### Emergency contact

It is designed to signal the emergency operation of e.mcb.stand.60 series switches in control and signalling circuits.



Title	Rated current at control voltage, A					Product code
	SPEAKER 415 V	LOUDSPEAKER ≤ 240 V	DC 125 V	DC ≤ 48 V	DC ≤ 24 V	
e.mcb.sdand.60.alt	3	6	1	2	6	s1042101

### Independent release unit

Designed for remote tripping of circuit breakers of the e.mcb.stand.60 series.



Title	Rated control voltage, V		Product code
	AC	DC	
e.mcb.stand.60.sht	100-415	110-130	s1042103

### Minimum voltage disconnecter

It is designed to trip circuit breakers of the e.mcb.stand.60 series when the mains voltage drops below 0.7 V.



Title	Rated control voltage, V		Product code
	AC		
e.mcb.stand.60.uvt	161 +-5%		s1042104

### Accessories for modular switches e.industrial.mcb

#### Additional contact

Designed to indicate the status of the contact group of the e.industrial.mcb.100 and e.industrial.elcb series devices in control and signalling circuits



Title	Rated current at control voltage, A		Product code
	SPEAKER 230 V	DC 110 V	
e.industrial.acs.znh.20	3	0,5	i0240001

#### Independent release switches

Designed to remotely switch off e.industrial.mcb.100 and e.industrial.elcb.



Title	Control voltage		Product code
	AC	DC	
e.industrial.acs.za.230	110-415 B	110-230 B	i0250001
e.industrial.acs.za.24	12-110 B	12-24 B	i0250002

#### Minimum voltage disconnectors e.industrial.acs.zu

Designed to switch off devices from the e.industrial.mcb.100 and e.industrial.elcb series when the mains voltage drops below 0.8 V.



Title	Operating voltage, Un, AC	Product code
e.industrial.acs.zu.230	230 B	i0260001
e.industrial.acs.zu.400	400 B	i0260002

#### Residual current circuit breakers e.rccb.stand type AC (electronic)

Designed to protect against electric shock in the event of accidental direct contact or indirect contact with conductive parts of electrical installations (electrical equipment). AC-type residual current circuit breakers respond to sinusoidally varying differential leakage currents. The rated conditional fault current is 4.5 kA



Title	Number of poles	Rated current, In, A	Rated disconnection difference current, IΔn, mA	Product code
e.rccb.stand.2.16.10	2	16	10	s034006
e.rccb.stand.2.16.30			30	s034011
e.rccb.stand.2.25.10		25	10	s034007
e.rccb.stand.2.25.30			30	s034001
e.rccb.stand.2.40.10		40	10	s034008
e.rccb.stand.2.40.30			30	s034002
e.rccb.stand.4.25.10	4	25	10	s034009
e.rccb.stand.4.25.30			30	s034003
e.rccb.stand.4.40.10		40	10	s034010
e.rccb.stand.4.40.30			30	s034004
e.rccb.stand.4.63.30		63	30	s034005

## Residual current circuit breakers e.rccb.pro type AC (electromechanical)

Designed to protect against electric shock in the event of accidental direct contact or indirect contact with live parts of electrical installations (electrical equipment) (residual current devices with  $I_{\Delta n}$  - 10, 30 mA) and the prevention of fires caused by insulation damage in the event of leakage current flow to earth (residual current circuit breakers with  $I_{\Delta n}$  - 100, 300 mA). AC-type residual current circuit breakers respond to sinusoidally varying differential leakage currents. The rated conditional fault current is 6 kA.



Title	Number of poles	Rated current, $I_n$ , A	Rated disconnection difference current, $I_{\Delta n}$ , mA	Product code
e.rccb.pro.2.16.10	2	16	10	p003001
e.rccb.pro.2.16.30			30	p003003
e.rccb.pro.2.25.10		25	10	p003002
e.rccb.pro.2.25.30			30	p003004
e.rccb.pro.2.25.100			100	p003008
e.rccb.pro.2.25.300			300	p003013
e.rccb.pro.2.40.30	2	40	30	p003005
e.rccb.pro.2.40.100			100	p003009
e.rccb.pro.2.40.300			300	p003014
e.rccb.pro.2.63.30		63	30	p003006
e.rccb.pro.2.63.100			100	p003010
e.rccb.pro.2.63.300			300	p003015
e.rccb.pro.4.25.30	4	25	30	p003018
e.rccb.pro.4.25.100			100	p003022
e.rccb.pro.4.25.300			300	p003027
e.rccb.pro.4.40.30		40	30	p003019
e.rccb.pro.4.40.100			100	p003023
e.rccb.pro.4.40.300			300	p003028
e.rccb.pro.4.63.30		63	30	p003020
e.rccb.pro.4.63.100			100	p003024
e.rccb.pro.4.63.300			300	p003029



## Residual current switches e.rccb.pro type A (electromechanical)

Designed to protect against electric shock in the event of accidental direct contact or indirect contact with conductive parts of electrical installations (electrical equipment) and to prevent fires caused by damage to insulation when leakage currents flow to earth. Type A residual current circuit breakers respond to both sinusoidal AC and pulsating DC residual currents. The rated conditional short-circuit current is 6 kA.

## Residual current circuit breakers e.industrial.rccb type AC

Title	Number of poles	Rated current, $I_n$ , A	Rated disconnection difference current, $I_{\Delta n}$ , mA	Product code
e.rccb.pro.A.2.16.30	2	16	30	p080001
e.rccb.pro.A.2.25.30		25		p080002
e.rccb.pro.A.2.40.30		40		40
e.rccb.pro.A.4.40.30	4			





## Residual current switches industrial.rccb type A (electromechanical)

Designed to protect against electric shock in the event of accidental direct contact or indirect contact with conductive parts of electrical installations (electrical equipment)(residual current circuit breakers with  $I_{\Delta n}$  - 10, 30 mA) and prevention of fires caused by insulation damage in the event of leakage current flow to earth (residual current circuit breakers with  $I_{\Delta n}$  - 100, 300 mA). AC-type residual current circuit breakers respond to sinusoidally varying differential leakage currents. The rated conditional fault current is 10 kA.



Title	Number of poles	Rated current, $I_n$ , A	Rated disconnection difference current, $I_{\Delta n}$ , mA	Product code
e.industrial.rccb.2.16.30	2	16	30	i0220010
e.industrial.rccb.2.25.30		25		i0220001
e.industrial.rccb.2.40.30		40		i0220002
e.industrial.rccb.2.63.30		63		i0220003
e.industrial.rccb.4.25.30	4	25	30	i0220004
e.industrial.rccb.4.25.100			100	i0220005
e.industrial.rccb.4.40.10		40	10	i0220006
e.industrial.rccb.4.40.100			100	i0220009
e.industrial.rccb.4.40.300			300	i0220011
e.industrial.rccb.4.63.30		63	30	i0220007
e.industrial.rccb.4.63.100			100	i0220008
e.industrial.rccb.4.63.300			300	i0220012

## Residual current circuit breakers of the STAND series with protection overcurrent protection type AC (electronic)

The e.rcbo.pro series overcurrent circuit breaker is designed to protect people in direct or indirect contact with exposed conductive parts of electrical installations connected to the appropriate earthing device of electrical installations in buildings, and to protect the cables and conductors of low-voltage electrical circuits against overload and short-circuit currents.



Title	Number of poles	Characteristics time-current	Rated current, $I_n$ , A	Rated disconnection difference current, $I_{\Delta n}$ , mA	Product code
e.rcbo.stand.2.C06.30	1+N	C	6	30	s034101
e.rcbo.stand.2.C10.30			10		s034102
e.rcbo.stand.2.C16.30			16		s034103
e.rcbo.stand.2.C20.30			20		s034104
e.rcbo.stand.2.C25.30			25		s034105
e.rcbo.stand.2.C32.30			32		s034106

## Residual current circuit breakers e.rccb.pro type A (electromechanical)

Designed to protect against electric shock in the event of accidental direct contact or indirect contact with conductive parts of electrical installations (electrical equipment) and to prevent fires caused by damage to insulation when leakage currents flow to earth. Type A residual current circuit breakers respond to both sinusoidal AC and pulsating DC residual currents. The rated conditional short-circuit current is 6 kA.



Title	Number of poles	Characteristics time-current	Rated current, $I_n$ , A	Rated disconnection difference current, $I_{\Delta n}$ , mA	Product code
e.elcb.stand.2.C10.30	1+N	C	10	30	p0620005
e.elcb.stand.2.C16.30			16		p0620006
e.elcb.stand.2.C25.30			25		p0620007
e.elcb.stand.2.C32.30			32		p0620008

## Residual current circuit breakers with overcurrent protection

### e.rcbo.pro type A (electronic)

Designed for:

- protection of low-voltage circuits against overload and short-circuit currents;
- protection against electric shock in case of accidental direct or indirect contact with conductive parts of electrical installations (electrical equipment), (10, 30 mA);
- random operational switching of electrical circuits. The rated breaking capacity is 6 kA;
- Prevention of fires caused by insulation damage in the event of leakage currents to earth (100, 300mA).



Title	Rated current, A	Characteristics time-current	Rated residual tripping current, I $\Delta$ n, mA	Type	Polarity	Product code	
e.rcbo.pro.2.B06.30	6	B	30	A	1+N	p0720004	
e.rcbo.pro.2.B10.30	10					p0720005	
e.rcbo.pro.2.B16.30	16					p0720006	
e.rcbo.pro.2.C06.10	6	10	p0720001				
e.rcbo.pro.2.C06.30	6	30	p0720007				
e.rcbo.pro.2.C10.10	10	10	p0720002				
e.rcbo.pro.2.C10.30	10	30	p0720008				
e.rcbo.pro.2.C16.10	16	C	30		1+N	p0720003	
e.rcbo.pro.2.C16.30	16					p0720009	
e.rcbo.pro.2.C20.30	20					p0720027	
e.rcbo.pro.2.C25.30	25					p0720010	
e.rcbo.pro.2.C32.30	32					p0720011	
e.rcbo.pro.2.C40.30	40			p0720012			
e.rcbo.pro.2.C50.30	50			A	3+N	p0720013	
e.rcbo.pro.2.C63.30	63					p0720014	
e.rcbo.pro.4.C16.100	16					100	p0720021
e.rcbo.pro.4.C16.30	16					30	p0720015
e.rcbo.pro.4.C20.30	20	100	p0720027				
e.rcbo.pro.4.C25.100	25	100	p0720022				
e.rcbo.pro.4.C25.30	25	30	p0720016				
e.rcbo.pro.4.C32.100	32	100	p0720023				
e.rcbo.pro.4.C32.30	32	30	p0720017				
e.rcbo.pro.4.C40.100	40	100	p0720024				
e.rcbo.pro.4.C40.30	40	30	p0720018				
e.rcbo.pro.4.C50.100	50	100	p0720025				
e.rcbo.pro.4.C50.30	50	30	p0720019				
e.rcbo.pro.4.C63.100	63	100	p0720026				
e.rcbo.pro.4.C63.30	63	30	p0720020				

### Residual current circuit breakers with overcurrent protection with separate handle e.elcb.pro type AC (electromechanical)

Residual current circuit breaker with overcurrent protection e.elcb.pro series is designed to protect persons in direct or indirect contact with exposed conductive parts of electrical installations connected to the appropriate earthing of electrical installations in buildings, and to protect cables and conductors of low-voltage electrical circuits against overcurrent and short-circuit currents. The device has a separate handle to identify the cause of tripping: overcurrent or leakage current. The rated breaking capacity is 6 kA.



Title	Number of poles	Characteristics time-current	Rated current, I <sub>n</sub> , A	Rated residual tripping current, I $\Delta$ n, mA	Product code
e.elcb.pro.2.C10.30	1+N	C	10	30	p0620001
e.elcb.pro.2.C16.30			16		p0620002
e.elcb.pro.2.C25.30			25		p0620003
e.elcb.pro.2.C32.30			32		p0620004

### Residual current circuit breakers with overcurrent protection e.industrial.elcb type AC (electromechanical)

Designed for:

- protection of low-voltage electrical circuits against overload and short-circuit currents;
- protection against electric shock in case of accidental direct or indirect contact with conductive parts of electrical installations (electrical equipment), (30 mA);
- Prevention of fires caused by insulation damage when leakage current flows to earth,(300 mA);
- random operational switching of electrical circuits. The rated breaking capacity is 10 kA.



Title	Number of poles	Characteristics time-current	Rated current, I <sub>n</sub> , A	Rated residual tripping current, I $\Delta$ n, mA	Product code
e.industrial.elcb.2.C06.30	1+N	C	6	30	i0230001
e.industrial.elcb.2.C10.30			10		i0230002
e.industrial.elcb.2.C16.30			16		i0230003
e.industrial.elcb.2.C20.30			20		i0230004
e.industrial.elcb.2.C25.30			25		i0230005
e.industrial.elcb.2.C32.30			32		i0230006
e.industrial.elcb.2.C06.300			300	6	i0230007
e.industrial.elcb.2.C10.300				10	i0230008
e.industrial.elcb.2.C16.300				16	i0230009
e.industrial.elcb.2.C20.300				20	i0230010
e.industrial.elcb.2.C25.300				25	i0230011
e.industrial.elcb.2.C32.300				32	i0230012

### Fuses e.fuse

Designed to protect: switchgear assemblies, cables and wires against overload currents and short circuits.



Title	Rated current, I <sub>n</sub> , A	Fuse size	Product code
e.fuse.1038.2	2	10×38	i0610011
e.fuse.1038.4	4		i0610012
e.fuse.1038.6	6		i0610013
e.fuse.1038.8	8		i0610014
e.fuse.1038.10	10		i0610015
e.fuse.1038.13	13		i0610016
e.fuse.1038.16	16		i0610017
e.fuse.1038.20	20		i0610018
e.fuse.1038.25	25		i0610019
e.fuse.1038.32	32		i0610021



Title	Rated current, In, A	Fuse size	Product code
e.fuse.1451.25	25	14×51	i0610020
e.fuse.1451.32	32		i0610022
e.fuse.1451.40	40		i0610023
e.fuse.1451.50	50		i0610024
e.fuse.1451.63	63		i0610025

### Fuses, DIN rail mounts e.fuse Fuse disconnectors e.fuse.h

Designed to fit a cylindrical fuse.



Title	Number of poles	Rated current, A	Size fuse, mm	Product code
e.fuse.1038.h1	1	32	10×38	i0300001
e.fuse.1038.h2	2			i0300002
e.fuse.1038.h3	3			i0300003
e.fuse.1451.h1	1	63	14×51	i0300004
e.fuse.1451.h2	2			i0300005
e.fuse.1451.h3	3			i0300006

### Modular switches e.is3.pro (I-0-II) for 2 directions

Designed for non-automatic switching of electrical circuits.



Title	Number of poles	Rated current, A	Product code
e.is3.pro.1.63	1	63	p008013
e.is3.pro.2.40	2		p008024
e.is3.pro.2.63			p008014
e.is3.pro.3.63	3		p008015
e.is3.pro.4.40	4		p008025
e.is3.pro.4.63			p008016

### e.is.pro load breakers FR (I- 0)

Designed for non-automatic switching of electrical circuits.



Title	Number of poles	Rated current, A	Product code
e.is.pro.1.40	1	40	p008017
e.is.pro.1.50		50	p008007
e.is.pro.1.63		63	p008003
e.is.pro.1.125	2	125	p008008
e.is.pro.2.40		40	p008018
e.is.pro.2.50		50	p008026
e.is.pro.2.63	3	63	p008011
e.is.pro.2.125		125	p008012
e.is.pro.3.40		40	p008019
e.is.pro.3.50	4	50	p008009
e.is.pro.3.63		63	p008020
e.is.pro.3.125		125	p008010
e.is.pro.4.40	4	40	p008021
e.is.pro.4.50		50	p008027
e.is.pro.4.63		63	p008022
e.is.pro.4.125		125	p008028

### Modular DIN rail contactors e.mc.pro

They are designed for switching active and low-inductive loads in control systems for various process, air conditioning and ventilation and lighting networks.



Title	Number of poles	Contacts NO - normally open NC - normally closed	Rated current, A	Product code
e.mc.pro.2.20.2NO	2	2NO	20	p005217
e.mc.pro.2.25.1NO+1NC		1NO+1NC	25	p005220
e.mc.pro.2.25.2NO		2NO		p005201
e.mc.pro.2.25.2NC		2NC		p005225
e.mc.pro.2.40.1NO+1NC		1NO+1NC		40
e.mc.pro.2.40.2NO		2NO	p005203	
e.mc.pro.2.40.2NC		2NC	p005227	
e.mc.pro.2.63.1NO+1NC		1NO+1NC	63	p005228
e.mc.pro.2.63.2NO		2NO		p005218
e.mc.pro.2.63.2NC		2NC		p005229
e.mc.pro.4.20.4NO	4	4NO	20	p005219
e.mc.pro.4.25.2NO+2NC		2NO+2NC	25	p005222
e.mc.pro.4.25.4NO		4NO		p005205
e.mc.pro.4.25.4NC		4NC		p005224
e.mc.pro.4.40.2NO+2NC		2NO+2NC	40	p005230
e.mc.pro.4.40.4NO		4NO		p005207
e.mc.pro.4.63.2NO+2NC		2NO+2NC	63	p005231
e.mc.pro.4.63.4NO		4NO		p005209

### Additional equipment for contactors modular

#### Additional contact (side)

Used to indicate the status of a group of contacts of e.mc.pro modular contactors in control and signalling circuits.



Title	Rated current, In, A	Contact type	Product code
Additional contact e.mc.pro.aux.2NO	6	2NO	p005251
Additional signal contact e.mc.pro.aux.1NO+1NC		1NO+1NC	p005251

## DIN rail sockets of the e.professional and e.standard series

Designed for installation in electrical panels for quick connection of various portable devices such as extension cords, portable lamps, etc.



Title	Type sockets	Number of poles	Rated current, In, A	Rated voltage, V	Product code
e.socket.pro.din.tms	Type F, CEE 7/4 (Shuko), with serial number	2p+z	16	~ 250	s004002
e.socket.stand.din	Type C, CEE 7/16, without s/w	2p	10	~ 250	s004001



## Indicators on DIN rail

They are intended to indicate:

- availability of 230 V, 50 Hz phase voltage in low-voltage electrical circuits;
- the condition and operation of electrical equipment.



Title	Nominal supply voltage, V	Colour	Product code
e.i.din.220.blue	~ 230	blue	p059003
e.i.din.220.green		green	p059002
e.i.din.220.orange		orange	p059006
e.i.din.220.red		red	p059001
e.i.din.220.white		white	p059005
e.i.din.220.yellow		yellow	p059004
e.i.din.380.3f.red	~ 400	red	p059011

## Control buttons on the DIN rail

Designed for use in the electrical control circuits of various electrical devices (contactors, automation relays, etc.) up to 230 V, 50 Hz.

### DIN rail monostable push buttons NO+NC



Title	Colour	Rated voltage, V	Product code
e.pb.din.red	red	~ 230	i0790001
e.pb.din.green	green		i0790002

### Monostable NO+NC push buttons on DIN rail with indicator light



Title	Colour	Rated voltage, V	Product code
e.pbi.din.red	red	~ 230	i0790003
e.pbi.din.green	green		i0790004

### NO+NC bistable buttons for DIN rail with indicator



Title	Colour	Rated voltage, V	Product code
e.pbif.din.red	red	~ 230	i0790005
e.pbif.din.green	green		i0790006

### Power supplies for rail DIN

They are designed to supply electrical equipment with a constant rectified, stabilised voltage.



Title	Rated power, W	DC output voltage, V	Output current, A	Product code
e.m-power.15.24	15	= 24	0,63	i083001
e.m-power.30.12	30	= 12	2	i083002
e.m-power.30.24		= 24	1,5	i083003
e.m-power.60.12	60	= 12	4,6	i083004
e.m-power.60.24		= 24	2,5	i083005
e.m-power.120.24		= 24	5	i083006

### Audible signalling on DIN rail

It is designed for audible signalling of the status of electrical circuits. Short operation mode.



Title	Rated voltage, V	Product code
e.ringer.din.220	~ 230	p0600001

### Transformer on DIN rail

Designed to power low-power consumers (indicators, bells, etc.).



Title	Primary winding voltage, B	Secondary winding voltage, V	Power, VA	Product code
e.trans.din.8.12.24	~ 230	~ 8, 12, 24	8	p057001

## ENERGY EQUIPMENT

### Power switches e.industrial.ukm.S

They are designed to protect low-voltage electrical networks against overload and short-circuit currents, as well as for infrequent operational switching of electrical networks. The tripping frequency of the electromagnetic disconnecter is  $10 I_n \pm 20\%$ .



Title	Size	Rated current, A	Shutdown capability at ~ 400 V, I <sub>cu</sub> /I <sub>cs</sub> , kA	Product code
e.industrial.ukm.60S.10	60	10	10/5	i0010015
e.industrial.ukm.60S.16		16		i0010014
e.industrial.ukm.60S.20		20		i0010016
e.industrial.ukm.60S.25		25		i0010026
e.industrial.ukm.60S.32		32		i0010001
e.industrial.ukm.60S.40		40		i0010002
e.industrial.ukm.60S.50		50		i0010003
e.industrial.ukm.60S.63		63		i0010004



Title	Size	Rated current, A	Shutdown capability at ~ 400 V, I <sub>cu</sub> /I <sub>cs</sub> , kA	Product code
e.industrial.ukm.100S.40	100	40	50/35	i0010020
e.industrial.ukm.100S.50		50		i0010021
e.industrial.ukm.100S.63		63		i0010022
e.industrial.ukm.100S.80		80		i0010005
e.industrial.ukm.100S.100		100		i0010006
e.industrial.ukm.100S.125		125		i0010033
e.industrial.ukm.100S.160		160		i0010034



Title	Size	Rated current, A	Shutdown capability at ~ 400 V, I <sub>cu</sub> /I <sub>cs</sub> , kA	Product code
e.industrial.ukm.250S.100	250	100	50/35	i0010017
e.industrial.ukm.250S.125		125		i0010018
e.industrial.ukm.250S.160		160		i0010007
e.industrial.ukm.250S.175		175		i0010013
e.industrial.ukm.250S.200		200		i0010008
e.industrial.ukm.250S.225		225		i0010019
e.industrial.ukm.250S.250		250		i0010009



Title	Size	Rated current, A	Shutdown capability at ~ 400 V, I <sub>cu</sub> /I <sub>cs</sub> , kA	Product code
e.industrial.ukm.400S.300	400	300	70/70	i0010027
e.industrial.ukm.400S.315		315		i0010032
e.industrial.ukm.400S.320		320		i0010035
e.industrial.ukm.400S.400		400		i0010010
e.industrial.ukm.630S.500	630	500	70/70	i0010028
e.industrial.ukm.630S.630		630		i0010011



Title	Size	Rated current, A	Shutdown capability at ~ 400 V, I <sub>cu</sub> /I <sub>cs</sub> , kA	Product code
e.industrial.ukm.800S.700	800	700	70/70	i0010029
e.industrial.ukm.800S.800		800		i0010012
e.industrial.ukm.1000S.1000	1500	1000	80/40	i0010023
e.industrial.ukm.1250S.1250		1250		i0010024
e.industrial.ukm.1600S.1600	1600	1600		i0010030





### Additional equipment for circuit breakers e.industrial.ukm.S

Additional contacts e.industrial.ukm.F

Designed to indicate the position of the power supply contacts of e.industrial.ukm.S (On/Off) switches. A JX contact strip is used to connect the signal wires.



Title	Size	Product code
e.industrial.ukm.60.F	60S	i0030001
e.industrial.ukm.100.F	100S	i0030002
e.industrial.ukm.250.F	250S	i0030003
e.industrial.ukm.400-800.F	400-800S	i0030004

### Signal contacts (emergency) e.industrial.ukm.B

They are used to signal the tripping of the e.industrial.ukm.S circuit breaker against overload or short-circuit as a result of tripping the minimum voltage trip, the independent trip or pressing the "TEST" button. In addition, the JX terminal strip is used to connect the signal cable.



Title	Size	Product code
e.industrial.ukm.60.B	60S	i0020001
e.industrial.ukm.100.B	100S	i0020002
e.industrial.ukm.250.B	250S	i0020003
e.industrial.ukm.400-800.B	400-800S	i0020004

### Independent release switches e.industrial.ukm.FL

These are used to remotely trigger the e.industrial.ukm.S circuit breaker by sending a voltage pulse to an independent trigger. In addition, the JX contact strip is used for wiring.



Title	Size	Product code
e.industrial.ukm.60.FL	60S	i0070004
e.industrial.ukm.100.FL	100S	i0070001
e.industrial.ukm.250.FL	250S	i0070002
e.industrial.ukm.400-800.FL	400-800S	i0070003

### Minimum voltage disconnectors e.industrial.ukm.QY

They are designed to trip the e.industrial.ukm.S circuit breaker in the event of an unacceptable voltage drop.



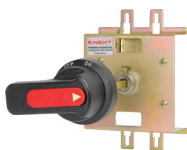
Title	Size	Product code
e.industrial.ukm.60.QY	60S	i0040001
e.industrial.ukm.100.QY	100S	i0040002



Title	Size	Product code
e.industrial.ukm.250.QY	250S	i0040003
e.industrial.ukm.400-800.QY	400-800S	i0040004

### Rotary handles e.industrial.ukm.CS

They are designed for the operational control of the switch through the door. The swivel handle is bolted to the door of the cabinet in which the switch is installed and mechanically connected to the unit by an extension rod.



Title	Size	Product code
e.industrial.ukm.60.CS	60S	i0060001
e.industrial.ukm.100.CS	100S	i0060002
e.industrial.ukm.250.CS	250S	i0060003
e.industrial.ukm.400.CS	400S	i0060004
e.industrial.ukm. 630-800.CS	630-800S	i0060005

## Electric drives e.industrial.ukm.MDX

They are designed to remotely switch on/off the industrial circuit breaker ukm.S. They are used in automatic holding, automatic reclosing, etc. The device is mounted on the front panel of the circuit breaker and is mechanically connected to its control handle.



Title	Management voltage, B	Response time, s	Product code
e.industrial.ukm.100.MDX.220	~ 230	0,8	i0080001
e.industrial.ukm.250.MDX.220			i0080002
e.industrial.ukm.400.MDX.220			i0080003
e.industrial.ukm.630-800.MDX.220			i0080004

## Rotary handles e.industrial.ukm.CS

They are designed for the operational control of the switch through the door. The swivel handle is bolted to the door of the enclosure in which the switch is installed and mechanically connected to the device via an extension rod.



Title	Product code
e.industrial.ukm.JX	i0050001

## Rails



Title	Size	Product code
e.industrial.ukm.100S.busbar	100S	i0050003
e.industrial.ukm.250S.busbar	250S	i0050002
e.industrial.ukm.400S.busbar	400S	i0050004
e.industrial.ukm.630S.busbar	630S	i0050005
e.industrial.ukm.800S.busbar	800S	i0050006
e.industrial.ukm.250S.busbar.str	250S	i0050007

Used to connect cable conductors crimped with lugs to the power switch.

## Power circuit breakers with electronic tripping e.industrial.ukm.Re

Designed to protect low-voltage electrical networks against currents overcurrents and short-circuit currents, as well as for infrequent operational switching of electrical networks. The tripping frequency of the electronic recloser is adjustable. Power circuit breakers with electronic recloser e.industrial.ukm.Re up to 1250 - category "B" - selective, 1600 - category "A" - non-selective.



Title	Rated current, A	Product code
e.industrial.ukm.125Re.32	32	i0770054
e.industrial.ukm.125Re.63	63	i0770055
e.industrial.ukm.125Re.80	80	i0770060
e.industrial.ukm.125Re.100	100	i0770057
e.industrial.ukm.125Re.125	125	i0770056
e.industrial.ukm.250Re.160	160	i0770042
e.industrial.ukm.250Re.200	200	i0770043
e.industrial.ukm.250Re.250	250	i0770022
e.industrial.ukm.400Re.320	320	i0770061
e.industrial.ukm.400Re.400	400	i0770023
e.industrial.ukm.630Re.500	500	i0770046
e.industrial.ukm.630Re.630	630	i0770047
e.industrial.ukm.800Re.800	800	i0770025
e.industrial.ukm.1250Re.1250	1250	i0770059
e.industrial.ukm.1600Re.1000	1000	i0770026
e.industrial.ukm.1600Re.1600	1600	i0770027

### Fuses e.fuse.NT, (type gG)

Designed to protect low-voltage switchgear and cable lines against overload and short-circuit currents.



Title	Description	Product code
e.fuse.NT00.10	Fuse e.fuse.NT00.10, size 00, 10A	i0760078
e.fuse.NT00.16	Fuse e.fuse.NT00.16, size 00, 16A	i0760041
e.fuse.NT00.20	Fuse e.fuse.NT00.20, size 00, 20A	i0760079
e.fuse.NT00.25	Fuse e.fuse.NT00.25, size 00, 25A	i0760042
e.fuse.NT00.32	Fuse e.fuse.NT00.32, size 00, 32A	i0760043
e.fuse.NT00.40	Fuse e.fuse.NT00.40, size 00, 40A	i0760077
e.fuse.NT00.50	Fuse e.fuse.NT00.50, size 00, 50A	i0760044
e.fuse.NT00.63	Fuse e.fuse.NT00.63, size 00, 63A	i0760045
e.fuse.NT00.80	Fuse e.fuse.NT00.80, size 00, 80A	i0760046
e.fuse.NT00.100	Fuse e.fuse.NT00.100, size 00, 100A	i0760047
e.fuse.NT00.125	Fuse e.fuse.NT00.125, size 00, 125A	i0760048
e.fuse.NT00.160	Fuse e.fuse.NT00.160, size 00, 160A	i0760049
e.fuse.NT0.25	Fuse e.fuse.NT0.25, size 0, 25A	i0760080
e.fuse.NT0.32	Fuse e.fuse.NT0.32, size 0, 32A	i0760076
e.fuse.NT0.40	Fuse e.fuse.NT0.40, size 0, 40A	i0760081
e.fuse.NT0.50	Fuse e.fuse.NT0.50, size 0, 50A	i0760082
e.fuse.NT0.63	Fuse e.fuse.NT0.63, size 0, 63A	i0760050
e.fuse.NT0.80	Fuse e.fuse.NT0.80, size 0, 80A	i0760051
e.fuse.NT0.100	Fuse e.fuse.NT0.100, size 0, 100A	i0760052
e.fuse.NT0.125	Fuse e.fuse.NT0.125, size 0, 125A	i0760053
e.fuse.NT0.160	Fuse e.fuse.NT0.160, size 0, 160A	i0760054
e.fuse.NT1.63	Fuse e.fuse.NT1.63, size 1, 63A	i0760083
e.fuse.NT1.80	Fuse e.fuse.NT1.80, size 1, 80A	i0760084
e.fuse.NT1.100	Fuse e.fuse.NT1.100, size 1, 100A	i0760055
e.fuse.NT1.125	Fuse e.fuse.NT1.125, size 1, 125A	i0760056
e.fuse.NT1.160	Fuse e.fuse.NT1.160, size 1, 160A	i0760057
e.fuse.NT1.200	Fuse e.fuse.NT1.200, size 1, 200A	i0760058
e.fuse.NT1.250	Fuse e.fuse.NT1.250, size 1, 250A	i0760059
e.fuse.NT2.63	Fuse e.fuse.NT2.63, size 2, 63A	i0760070
e.fuse.NT2.80	Fuse e.fuse.NT2.80, size 2, 80A	i0760071
e.fuse.NT2.100	Fuse e.fuse.NT2.100, size 2, 100A	i0760072
e.fuse.NT2.125	Fuse e.fuse.NT2.125, size 2, 125A	i0760073
e.fuse.NT2.160	Fuse e.fuse.NT2.160, size 2, 160A	i0760074
e.fuse.NT2.200	Fuse e.fuse.NT2.200, size 2, 200A	i0760075
e.fuse.NT2.250	Fuse e.fuse.NT2.250, size 2, 250A	i0760060
e.fuse.NT2.315	Fuse e.fuse.NT2.315, size 2, 315A	i0760061
e.fuse.NT2.400	Fuse e.fuse.NT2.400, size 2, 400A	i0760062
e.fuse.NT3.400	Fuse e.fuse.NT3.400, size 3, 400A	i0760063
e.fuse.NT3.500	Fuse e.fuse.NT3.500, size 3, 500A	i0760085
e.fuse.NT3.630	Fuse e.fuse.NT3.630, size 3, 630A	i0760064

## SWITCHING EQUIPMENT

### Contactors series e.pro

#### Contactors of the e.pro.ukc series

They are designed for use in stationary installations to remotely start, run and change the direction of rotation of 3-phase squirrel-cage induction motors, as well as to switch group lighting circuits, active and low-induction loads.



Title	Rated operational current, A (AC3)	Nominal supply voltage of the coil, V	Additional contacts	Product code
e.pro.ukc.1.09.230.1NO	9	~ 230	1NO	p009101
e.pro.ukc.1.09.400.1NO		~ 400		p009102
e.pro.ukc.1.12.230.1NO	12	~ 230		p009103
e.pro.ukc.1.12.400.1NO		~ 400		p009104
e.pro.ukc.1.18.230.1NO	18	~ 230		p009105
e.pro.ukc.1.18.400.1NO		~ 400		p009106
e.pro.ukc.2.25.230.1NO	25	~ 230		p009107
e.pro.ukc.2.25.400.1NO		~ 400		p009108
e.pro.ukc.2.32.230.1NO	32	~ 230		p009109
e.pro.ukc.2.32.400.1NO		~ 400		p009110
e.pro.ukc.1.09.230.1NC	9	~ 230	1NS	p009121
e.pro.ukc.1.12.230.1NC	12	~ 230		p009122
e.pro.ukc.1.18.230.1NC	18	~ 230		p009123
e.pro.ukc.2.25.230.1NC	25	~ 230		p009124
e.pro.ukc.2.32.230.1NC	32	~ 230		p009125
e.pro.ukc.3.40.230.1NO+1NC	40	~ 230	1NO+1NC	p009111
e.pro.ukc.3.40.400.1NO+1NC		~ 400		p009112
e.pro.ukc.3.50.230.1NO+1NC	50	~ 230		p009113
e.pro.ukc.3.50.400.1NO+1NC		~ 400		p009114
e.pro.ukc.4.65.230.1NO+1NC	65	~ 230		p009115
e.pro.ukc.4.65.400.1NO+1NC		~ 400		p009116
e.pro.ukc.4.80.230.1NO+1NC	80	~ 230		p009117
e.pro.ukc.4.80.400.1NO+1NC		~ 400		p009118
e.pro.ukc.4.95.230.1NO+1NC	95	~ 230		p009119
e.pro.ukc.4.95.400.1NO+1NC		~ 400		p009120
e.pro.ukc.1.09.24.1NO	9	~ 24	1NO	p009126
e.pro.ukc.1.09.36.1NO		~ 36		p009127
e.pro.ukc.1.09.110.1NO		~ 110		p009128
e.pro.ukc.1.12.24.1NO	12	~ 24		p009129
e.pro.ukc.1.12.36.1NO		~ 36		p009130
e.pro.ukc.1.12.110.1NO		~ 110		p009131
e.pro.ukc.1.18.24.1NO	18	~ 24		p009132
e.pro.ukc.1.18.36.1NO		~ 36		p009133
e.pro.ukc.1.18.110.1NO		~ 110		p009134
e.pro.ukc.2.25.24.1NO	25	~ 24		p009135
e.pro.ukc.2.25.36.1NO		~ 36	p009136	
e.pro.ukc.2.25.110.1NO		~ 110	p009137	
e.pro.ukc.2.32.24.1NO	32	~ 24	p009138	
e.pro.ukc.2.32.36.1NO		~ 36	p009139	
e.pro.ukc.2.32.110.1NO		~ 110	p009140	
e.pro.ukc.1.09.24.1NC	9	~ 24	1NS	p009141
e.pro.ukc.1.09.36.1NC		~ 36		p009142

Title	Rated operational current, A (AC3)	Nominal supply voltage of the coil, V	Additional contacts	Product code	
e.pro.ukc.1.09.110.1NC	9	110	1NC	p009143	
e.pro.ukc.1.09.400.1NC		~ 400		p009144	
e.pro.ukc.1.12.24.1NC	12	~ 24		p009145	
e.pro.ukc.1.12.36.1NC		~ 36		p009146	
e.pro.ukc.1.12.110.1NC		~ 110		p009147	
e.pro.ukc.1.12.400.1NC		~ 400		p009148	
e.pro.ukc.1.18.24.1NC		18		~ 24	p009149
e.pro.ukc.1.18.36.1NC				~ 36	p009150
e.pro.ukc.1.18.110.1NC	~ 110			p009151	
e.pro.ukc.1.18.400.1NC	~ 400			p009152	
e.pro.ukc.2.25.24.1NC	25	~ 24		p009153	
e.pro.ukc.2.25.36.1NC		~ 36		p009154	
e.pro.ukc.2.25.110.1NC		~ 110		p009155	
e.pro.ukc.2.25.400.1NC		~ 400		p009156	
e.pro.ukc.2.32.24.1NC	32	~ 24		p009157	
e.pro.ukc.2.32.36.1NC		~ 36		p009158	
e.pro.ukc.2.32.110.1NC		~ 110		p009159	
e.pro.ukc.2.32.400.1NC		~ 400		p009160	
e.pro.ukc.3.40.24.1NO+1NC	40	~ 24		1NO+1NC	p009161
e.pro.ukc.3.40.36.1NO+1NC		~ 36			p009162
e.pro.ukc.3.40.110.1NO+1NC		~ 110			p009163
e.pro.ukc.3.50.24.1NO+1NC	50	~ 24			p009164
e.pro.ukc.3.50.36.1NO+1NC		~ 36			p009165
e.pro.ukc.3.50.110.1NO+1NC		~ 110			p009166
e.pro.ukc.4.65.24.1NO+1NC	65	~ 24	p009167		
e.pro.ukc.4.65.36.1NO+1NC		~ 36	p009168		
e.pro.ukc.4.65.110.1NO+1NC		~ 110	p009169		
e.pro.ukc.4.80.24.1NO+1NC	80	~ 24	p009170		
e.pro.ukc.4.80.36.1NO+1NC		~ 36	p009171		
e.pro.ukc.4.80.110.1NO+1NC		~ 110	p009172		
e.pro.ukc.4.95.24.1NO+1NC	95	~ 24	p009173		
e.pro.ukc.4.95.36.1NO+1NC		~ 36	p009174		
e.pro.ukc.4.95.110.1NO+1NC		~ 110	p009175		

## Contactors series e.industrial











They are designed for use in stationary installations for remote starting, stopping and reversing of 3-phase squirrel-cage induction motors, as well as for switching group lighting circuits, active and low-induction loads.

### Small contactors with AC coil e.industrial.ukc.m

Title	Rated current, A	Control coil voltage, V	Type and number of additional contacts	Product code
e.industrial.ukc.6m.230	6	~ 230	1NO	i.0090001
e.industrial.ukc.9m.230	9			i.0090017
e.industrial.ukc.12m.230	12			i.0090018
e.industrial.ukc.12m.230.NC	12			1NC



## Contactors with AC coil e.industrial.ukc

	Title	Rated current, A	Control coil voltage, V	Type and number of additional contacts	Product code				
	e.industrial.ukc.9.24	9	~ 24	1NO+1NC	i.0090071				
	e.industrial.ukc.9.42		~ 42		i.0090072				
	e.industrial.ukc.9.110		~ 110		i.0090073				
	e.industrial.ukc.9.230		~ 230		i.0090069				
	e.industrial.ukc.9.400		~ 400		i.0090058				
	e.industrial.ukc.12.24	12	~ 24		1NO+1NC	i.0090012			
	e.industrial.ukc.12.42		~ 42			i.0090044			
	e.industrial.ukc.12.110		~ 110			i.0090025			
	e.industrial.ukc.12.230		~ 230			i.0090002			
	e.industrial.ukc.12.400		~ 400			i.0090021			
	e.industrial.ukc.18.24	18	~ 24			1NO+1NC	i.0090074		
	e.industrial.ukc.18.42		~ 42				i.0090075		
	e.industrial.ukc.18.110		~ 110				i.0090076		
	e.industrial.ukc.18.230		~ 230				i.0090059		
	e.industrial.ukc.18.400		~ 400				i.0090060		
	e.industrial.ukc.25.24	25	~ 24				1NO+1NC	i.0090077	
	e.industrial.ukc.25.42		~ 42					i.0090078	
	e.industrial.ukc.25.110		~ 110					i.0090079	
	e.industrial.ukc.25.230		~ 230					i.0090061	
	e.industrial.ukc.25.400		~ 400					i.0090062	
	e.industrial.ukc.32.24	32	~ 24					1NO+1NC	i.0090028
	e.industrial.ukc.32.42		~ 42						i.0090080
	e.industrial.ukc.32.110		~ 110						i.0090029
	e.industrial.ukc.32.230		~ 230						i.0090030
	e.industrial.ukc.32.400		~ 400						i.0090031
	e.industrial.ukc.40.24	40	~ 24	1NO+1NC					i.0090013
	e.industrial.ukc.40.42		~ 42						i.0090047
	e.industrial.ukc.40.110		~ 110						i.0090026
	e.industrial.ukc.40.230		~ 230						i.0090004
	e.industrial.ukc.40.400		~ 400						i.0090011
	e.industrial.ukc.50.24	50	~ 24		1NO+1NC				i.0090032
	e.industrial.ukc.50.42		~ 42						i.0090084
	e.industrial.ukc.50.110		~ 110						i.0090033
	e.industrial.ukc.50.230		~ 230						i.0090034
	e.industrial.ukc.50.400		~ 400						i.0090035
	e.industrial.ukc.65.24	65	~ 24			1NO+1NC			i.0090036
	e.industrial.ukc.65.42		~ 42						i.0090054
	e.industrial.ukc.65.110		~ 110						i.0090037
	e.industrial.ukc.65.230		~ 230						i.0090038
	e.industrial.ukc.65.400		~ 400						i.0090039
	e.industrial.ukc.75.24	75	~ 24				1NO+1NC		i.0090040
	e.industrial.ukc.75.42		~ 42						i.0090081
	e.industrial.ukc.75.110		~ 110						i.0090041
	e.industrial.ukc.75.230		~ 230						i.0090042
	e.industrial.ukc.75.400		~ 400						i.0090043
	e.industrial.ukc.85.24	85	~ 24					1NO+1NC	i.0090020
	e.industrial.ukc.85.42		~ 42						i.0090052
	e.industrial.ukc.85.110		~ 110						i.0090010
	e.industrial.ukc.85.230		~ 230						i.0090005

Title	Rated current, A	Control coil voltage, V	Type and number of additional contacts	Product code
e.industrial.ukc.85.400	100	~ 400	1NO+1NC	i.0090023
e.industrial.ukc.100.110		~ 110		i.0090048
e.industrial.ukc.100.230		~ 230		i.0090049
e.industrial.ukc.100.400		~ 400		i.0090050
e.industrial.ukc.120.110	120	~ 110		i.0090053
e.industrial.ukc.120.230		~ 230		i.0090006
e.industrial.ukc.120.400	150	~ 400		i.0090051
e.industrial.ukc.150.110		~ 110		i.0090024
e.industrial.ukc.150.230		~ 230		i.0090007
e.industrial.ukc.150.400		~ 400		i.0090056
e.industrial.ukc.180.110	180	~ 110		i.0090083
e.industrial.ukc.180.230		~ 230		i.0090063
e.industrial.ukc.180.400		~ 400		i.0090064
e.industrial.ukc.220.110	220	~ 110		i.0090057
e.industrial.ukc.220.230		~ 230		i.0090008
e.industrial.ukc.220.400		~ 400		i.0090027
e.industrial.ukc.330.230	330	~ 230	1NO	i.0090065
e.industrial.ukc.330.400		~ 400		i.0090066
e.industrial.ukc.400.230	400	~ 230		i.0090009
e.industrial.ukc.400.400		~ 400		i.0090082
e.industrial.ukc.500.230	500	~ 230		i.0090067
e.industrial.ukc.500.400		~ 400		i.0090068
e.industrial.ukc.630.230	630	~ 230		i.0090015
e.industrial.ukc.630.400		~ 400		i.0090055
e.industrial.ukc.800.230	800	~ 230	i.0090016	

## Additional equipment for e.pro series contactors

### Mechanical interlocks for e.pro.ukc contactors

Designed for mutual mechanical interlocking of two contactors before simultaneous switching when installed in reversing circuits, star/delta motor starting, automatic reserve input, etc.



Title	Contactor dimensions	Product code
e.pro.ukc.ar32	1, 2	i0140014
e.pro.ukc.ar95	3, 4	i0140015

## Additional equipment for the e.industrial contactor series

### Mechanical interlocks for e.industrial.ar contactors

Designed for mutual mechanical interlocking of (two) contactors before simultaneous switching when installed in reversing circuits, star/delta motor starting, automatic spare input, etc.



Title	Contactor connections	Product code
e.industrial.ar12m (for miniature contactors)	ukc 6m...ukc 12m	i.0150008
e.industrial.ar85	ukc 9...ukc 85	i.0150001
e.industrial.ar150	ukc 120...ukc 220	i.0150002
e.industrial.ar.400	ukc 330...ukc 400	i.0150005
e.industrial.ar.500	ukc 500	i.0150006
e.industrial.ar.800	ukc 630...ukc 800	i.0150007

## Additional contacts for mini-contactors e.industrial.au.m

Designed to increase the additional contact group of e.industrial.ukc.m contactors



Title	Contacts	Product code
e.industrial.au.m.11	1NO+1NC	i0140010
e.industrial.au.m.22	2NO+2NC	i0140011

## Additional contacts e.industrial.au

Designed to increase the group of additional contacts of e.industrial.ukc contactors.



Title	Contacts	Product code
e.industrial.au.2.20	2NO	i0140002
e.industrial.au.2.11	1NO+1NC	i0140006



Title	Contacts	Product code
e.industrial.au.4.40	4NO	i0140003
e.industrial.au.4.04	4NC	i0140009
e.industrial.au.4.13	1NO+3NC	i0140008
e.industrial.au.4.31	3NO+1NC	i0140004
e.industrial.au.11r	1NO+1NC	i0140001



Title	Contacts	Product code
e.industrial.au.100.11	1NO+1NC	i0140005

## Table of additional equipment for contactors

Contactor	Electro- thermal relay	Additional contacts	Mechanism blocking	Console shunt	Control coils
e.industrial.ukc.6m	ukh.13M	au.m.11 au.m.22	ar12m	-	-
e.industrial.ukc.9M					
e.industrial.ukc.12M					
e.industrial.ukc.9	ukh.22	au.111r au.2.20 au.2.11 au.4.40 au.4.04 au.4.13 au.4.31 au.4.22	ar85	ac.9	ukc.coil.40
e.industrial.ukc.12					
e.industrial.ukc.18					
e.industrial.ukc.25					
e.industrial.ukc.32	ukh.40			ac.50	ukc.coil.85
e.industrial.ukc.40					
e.industrial.ukc.50	ukh.85				
e.industrial.ukc.65					
e.industrial.ukc.75	ukh.100 ukh.125	-	-		ukc.coil.125
e.industrial.ukc.85					
e.industrial.ukc.100	ukh.150	au100.11	ar150		ukc.coil.150
e.industrial.ukc.120					
e.industrial.ukc.150	ukh.220				ukc.coil.220
e.industrial.ukc.180					
e.industrial.ukc.220	ukh.630	au.2.20 au.2.11 au.4.40 au.4.04 au.4.13 au.4.31 au.4.22	ar400	-	ukc.coil.330
e.industrial.ukc.330					
e.industrial.ukc.400			ar500		ukc.coil.400
e.industrial.ukc.500					
e.industrial.ukc.630	ukh.800		ar800		ukc.coil.630
e.industrial.ukc.800					



### Contactor block for reactive power compensation e.industrial.ac



Title	Contactors	Maximum connected capacity of capacitor bank, kVA			Rated current, A	Product code
		~ 220-240 B	~ 400-440 B	~ 550-600 B		
e.industrial.as.9	e.industrial.ukp.12	6,5	12,5	18	18	i0210001
	e.industrial.ukp.22	10	18	26	26	
	e.industrial.ukp.40	20	33,3	48	48	
e.industrial.as.50	e.industrial.ukp.85	35	60	92	92	i0210002

### Electro-thermal relays e.pro.ukh

They are designed to protect 3-phase asynchronous squirrel-cage motors against long-term overcurrent and indirectly against phase asymmetry and phase loss. The e.pro.ukh thermal relays are directly connected to the e.pro.ukh contactors.



Title	Switch-off current adjustment range, A	Contactor dimensions	Product code
e.pro.ukh.1.0,16-1-2	0,1-0,16	1, 2	p058001
e.pro.ukh.1.0,25-1-2	0,16-0,25		p058002
e.pro.ukh.1.0,40-1-2	0,25-0,4		p058003
e.pro.ukh.1.0,63-1-2	0,4-0,63		p058004
e.pro.ukh.1.1,0-1-2	0,63-1,0		p058005
e.pro.ukh.1.1,6-1-2	1,0-1,6		p058006
e.pro.ukh.1.2,0-1-2	1,2-2,0		p058007
e.pro.ukh.1.2,5-1-2	1,6-2,5		p058008
e.pro.ukh.1.4,0-1-2	2,5-4,0		p058009
e.pro.ukh.1.6,0-1-2	4,0-6,0		p058010
e.pro.ukh.1.8,0-1-2	5,5-8,0		p058011
e.pro.ukh.1.10-1-2	7-10		p058012
e.pro.ukh.1.13-1-2	9-13		p058013
e.pro.ukh.1.18-1-2	12-18		p058014
e.pro.ukh.1.25-1-2	17-25	p058015	
e.pro.ukh.2.32-2	23-32	2	p058016
e.pro.ukh.2.36-2	28-36		p058017
e.pro.ukh.3.32-3-4	23-32	3, 4	p058018
e.pro.ukh.3.40-3-4	30-40		p058019
e.pro.ukh.3.50-3-4	37-50		p058020
e.pro.ukh.3.65-3-4	48-65		p058021
e.pro.ukh.3.70-3-4	55-70		p058022
e.pro.ukh.3.80-3-4	63-80		p058023
e.pro.ukh.3.93-3-4	80-93		p058024



### Electrical thermal relays e.industrial.ukh

Designed to protect 3-phase squirrel-cage induction motors against overloads. The relay can be mounted directly to contactors of the e.industrial.ukc series or separately on an independent e.industrial.azh base.



Title	Size	Switch-off current adjustment range, A	Product code
e.industrial.ukh.13m.2.5.4 *	13	2,5-4	i0110014
e.industrial.ukh.13m.4.6 *		4-6	i0110015
e.industrial.ukh.13m.5.5.8 *		5,5-8	i0110016
e.industrial.ukh.13m.7.10 *		7-10	i0110017
e.industrial.ukh.13m.9.13 *		9-13	i0110018
e.industrial.ukh.22.1,6	22	1-1,6	i0110001
e.industrial.ukh.22.2.5		1,6-2,5	i0110002



Title	Size	Switch-off current adjustment range, A	Product code
e.industrial.ukh.22.4	22	2,5-4	i0110003
e.industrial.ukh.22.6		4-6	i0110004
e.industrial.ukh.22.9		6-9	i0110005
e.industrial.ukh.22.13		9-13	i0110006
e.industrial.ukh.22.18		12-18	i0110007
e.industrial.ukh.22.22		16-22	i0110008
e.industrial.ukh.40.36		40	24-36
e.industrial.ukh.40.40	28-40		i0110010



Title	Size	Switch-off current adjustment range, A	Product code
e.industrial.ukh.85.65	85	45-65	i0110011
e.industrial.ukh.85.85		63-85	i0110012
e.industrial.ukh.100.125	100	85-125	i0110013
e.industrial.ukh.125.85.125	125		i0110022
e.industrial.ukh.150.100.150	150	100-150	i0110020



Title	Size	Switch-off current adjustment range, A	Product code
e.industrial.ukh.220.160.240	220	160-240	i0110021



Title	Size	Switch-off current adjustment range, A	Product code
e.industrial.ukh.630.380.630	630	380-630	i0110019

## Independent bases for electrical thermal relays e.industrial.azh

Designed for mounting electrical thermal relays on a mounting plate or DIN rail, without the need for a direct mechanical connection to the contactor..



Title	Electro-thermal relay	Product code
e.industrial.azh.22	e.industrial.ukh.22	i0120001
e.industrial.azh.40	e.industrial.ukh.40	i0120002
e.industrial.azh.85	e.industrial.ukh.85	i0120003

## Magnetic starters e.industrial series, IP55

### Magnetic starters e.industrial.ukq

Designed for the remote start/stop of three-phase motors of squirrel-cage induction motors and protect them against: overload, load asymmetry, phase loss. The e.industrial.ukq IP55 magnetic starter consists of a contactor e.industrial.ukc, a thermal relay e.industrial.ukh and a sealed enclosure with "Start" and "Stop" buttons.



Title	Control voltage, V	Category of use AC-3 (380), A	Thermal relay current control limits, A	Product code
e.industrial.ukq.9mb.230V	~ 230	9	6-9	i0100012
e.industrial.ukq.12mb.230V		12	9-13	i0100013
e.industrial.ukq.18mb.230v		18	12-18	i0100015
e.industrial.ukq.22mb.230v		22	16-22	i0100016
e.industrial.ukq.25mb.230v		25	17-25	i0100022
e.industrial.ukq.32mb.230V		32	24-36	i0100014
e.industrial.ukq.40mb.230v		40	28-40	i0100017
e.industrial.ukq.50mb.230v		50	34-50	i0100018
e.industrial.ukq.65b.230		65	45-65	i0100019
e.industrial.ukq.75b.230		75	54-75	i0100020



Title	Control voltage, V	Category of use AC-3 (380), A	Thermal relay current control limits, A	Product code
e.industrial.ukq.85b.230	~230	85	63-85	i0100021
e.industrial.ukq.9mb	~ 400	9	6-9	i0100001
e.industrial.ukq.12mb		12	9-13	i0100002
e.industrial.ukq.18mb		18	12-18	i0100003
e.industrial.ukq.22mb		22	16-22	i0100004
e.industrial.ukq.25mb		25	17-25	i0100023
e.industrial.ukq.32mb		32	24-36	i0100005
e.industrial.ukq.40mb		40	28-40	i0100006
e.industrial.ukq.50b	~ 400	50	34-50	i0100008
e.industrial.ukq.65b		65	45-65	i0100009
e.industrial.ukq.75b		75	54-75	i0100010
e.industrial.ukq.85b		85	63-85	i0100011

## Motor protection switches e.mp.pro

They are designed to control and protect three-phase squirrel-cage induction motors against short circuits, overloads and, indirectly, against phase loss and misalignment.



Title	Number of poles	Thermal trip adjustment range, A	Product code
e.mp.pro.0.4	3	0,25...0,4	p004015
e.mp.pro.0.63		0,4...0,63	p004016
e.mp.pro.1		0,63...1	p004017
e.mp.pro.1.6		1...1,6	p004001
e.mp.pro.2.5		1,6...2,5	p004002
e.mp.pro.4		2,5...4	p004003
e.mp.pro.6.3		4...6,3	p004004
e.mp.pro.10		6...10	p004005
e.mp.pro.14		9...14	p004018
e.mp.pro.18		13...18	p004019
e.mp.pro.23		17...23	p004007
e.mp.pro.25		20...25	p004020
e.mp.pro.32		24...32	p004021
e.mp.pro.40		25...40	p004022
e.mp.pro.63		40...63	p004010
e.mp.pro.80		56...80	p004011



## Indirect relays e.control.p

Designed for branching and transmission of control signals to in control and automation circuits.



Title	Operating current, A	Number of poles	Control coil voltage	Product code
e.control.p1031	10	3	= 12	i.ly3.12dc
e.control.p1032			~ 12	i.ly3.12ac
e.control.p1033			= 24	i.ly3.24dc
e.control.p1034			~ 24	i.ly3.24ac
e.control.p1035			~ 110	i.ly3.110ac
e.control.p1036			~ 230	i.ly3.230ac
e.control.p1036L		~ 230	i.ly3n.230ac	
e.control.p1041		4	= 12	i.ly4.12dc
e.control.p1042			~ 12	i.ly4.12ac
e.control.p1043			= 24	i.ly4.24dc
e.control.p1044	~ 24		i.ly4.24ac	



Title	Operating current, A	Number of poles	Control coil voltage	Product code
e.control.p1045	10	4	~ 110	i.ly4.110ac
e.control.p1046			~ 230	i.ly4.230ac
e.control.p1046L			~ 230	i.ly4n.230ac
e.control.p531	5	3	= 12	i.my3.12dc
e.control.p532			~ 12	i.my3.12ac
e.control.p533			= 24	i.my3.24dc
e.control.p534			~ 24	i.my3.24ac
e.control.p535			~ 110	i.my3.110ac
e.control.p536			~ 230	i.my3.230ac
e.control.p536L			~ 230	i.my3n.230ac
e.control.p341	3	4	= 12	i.my4.12dc
e.control.p342			~ 12	i.my4.12ac
e.control.p343			= 24	i.my4.24dc
e.control.p344			~ 24	i.my4.24ac
e.control.p345			~ 110	i.my4.110ac
e.control.p346			~ 230	i.my4.230ac
e.control.p346L			~ 230	i.my4n.230ac



Title	Operating current, A	Number of poles	Product code
e.control.p103s	10	3	i.ptf.11a
e.control.p104s	10	4	i.ptf.14a
e.control.p53s	5	3	i.pif.11a
e.control.p34s	3	4	i.pif.14a

\* L - with LED indicator

## Control and signalling devices on boards Indicators Lighting fixtures e.ad

It is designed for installation in switchgear for signalling and control of electrical and process circuits.



Title	Rated voltage, V	Colour	Size installation, mm	Product code
e.ad16.12.green	AC/DC 12	green	16	s009009
e.ad16.12.red		red		s009010
e.ad16.24.green	AC/DC 24	green		s009011
e.ad16.24.red		red		s009012
e.ad16.24.blue		blue		s009036
e.ad16.230.green	AC 230	green		s009013
e.ad16.230.red		red	s009014	
e.ad16.230.blue		blue	s009016	
e.ad16.230.white		white	s009017	
e.ad16.230.yellow		yellow	s009015	
e.ad22.12.green	AC/DC 12	green	22	s009018
e.ad22.12.red		red		s009019
e.ad22.12.blue		blue		s009028
e.ad22.12.white		white		s009030
e.ad22.12.yellow		yellow		s009029
e.ad22.24.green	AC/DC 24	green		s009020
e.ad22.24.red		red		s009021
e.ad22.24.blue		blue		s009031
e.ad22.24.white		white		s009033
e.ad22.24.yellow		yellow		s009032
e.ad22.230.green	AC 230	green	s009022	
e.ad22.230.red		red	s009023	
e.ad22.230.blue		blue	s009025	
e.ad22.230.white		white	s009026	
e.ad22.230.yellow		yellow	s009024	

## Measuring indicators and alarms

Designed to indicate electrical, environmental and alarm parameters.



Title	Colour	Indication	Measuring range	Product code
e.ad22.fr	yellow	frequency, Hz	0-99	s009037
e.ad22.am		current, A	5-100	s009038
e.ad22.va	red	voltage, V/ current, A	25-500/5-100	s009039
e.ad22.temp	green	temperature, °C	-25...+150	s009040
e.ad22.i.12-500.green		voltage, V	12-500	s009035
e.ad22.i.12-500.red	red	voltage, V	12-500	s009034
e.ad22.230.buzzer.red		audible signalling	-	s009027



## Keys without backlighting (flat), without locking mechanism

Designed for the control circuits of various process equipment.



Title	Colour	Contact	Product code
e.mb.ba31	green	1NO	p0810107
e.mb.ba42	red	1NC	p0810110
e.mb.ba21	black	1NO	p0810106
e.mb.ba51	yellow		p0810108
e.mb.ba61	blue		p0810109

## Mushroom buttons without attachment



Title	Colour	Contact	Product code
e.mb.bc31	green	1NO	p0810116
e.mb.bc42	red	1NC	p0810119
e.mb.bc51	yellow	1NO	p0810117
e.mb.bc61	blue		p0810118

## Keys without backlighting (convex), no locking mechanism



Title	Colour	Contact	Product code
e.mb.bl31	green	1NO	p0810112
e.mb.bl42	red	1NC	p0810115
e.mb.bl21	black	1NO	p0810111
e.mb.bl51	yellow		p0810113
e.mb.bl61	blue		p0810114

## Latch buttons with locking mechanism



Title	Colour	Contact	Description	Product code
e.mb.bs142	red	1NC	with locking key	p0810124
e.mb.bs542			rotatable with lock	p0810123
e.mb.bt42			with fixation	p0810122

## Illuminated button, non-lockable



Title	Colour	Contact	Product code
e.mb.bw3361	green	1NO	p0810102
e.mb.bw3461	red	1NC	p0810103
e.mb.bw3161	white	1NO	p0810101
e.mb.bw3561	yellow		p0810104
e.mb.bw3661	blue		p0810105

## Double (square) buttons, without attachment



Title	Colour	Contact	Description	Product code
e.mb.bl8325	green/ red	1NO+1NC	without backlight	p0810120
e.mb.bw8465			illuminated	p0810121

## Plastic backboard push buttons



Title	Colour	Contact	Description	Product code
e.mb.ea135	green	1NO+1NC	without fixing	p0810131
e.mb.ea145	red			p0810132
e.mb.ea125	black			p0810130
e.mb.ea31	green	1NO		p0810126
e.mb.ea42	red	1NC		p0810127
e.mb.ea21	black	1NO		p0810125
e.mb.eh135	green	1NO+1NC	with fixation	p0810128
e.mb.eh145	red			p0810129

## Measuring and alarm indicators

Designed to indicate electrical, environmental and alarm parameters.



Title	Contact	Position switch	Description	Product code
e.mb.bd25	1NO+1NC	1-0	standard handle	p0810133
e.mb.bd33	2NO	1-0-2		p0810134
e.mb.bg25.lr	1NO+1NC	1-0	the key is removable on the left side	p0810137
e.mb.bg45.lrr			the key can be removed to the left and to the right	p0810138



Title	Contact	Position switch	Description	Product code
e.mb.bj25	1NO+1NC	1-0	extended handle	p0810135
e.mb.bj33	2NO	1-0-2		p0810136
e.mb.bk2365	1NO+1NC	1-0	green with illumination	p0810139
e.mb.bk2465			red with illumination	p0810140
e.mb.bk2565			yellow with illumination	p0810141

## Block contacts

### Block contacts for push buttons and switches

Applies only to e.mb pushbuttons and switches. The design allows up to 6 additional contacts to be connected in series.



Title	Contact	Colour	Product code
e.mb.be102	NC	червен	p0810143

## Button pillar body

Applies only to non-illuminated buttons and switches e.mb.22, indicators e.ad.22.



Title	Number of seats	Product code
e.mb.box01	1	p0810146
e.mb.box02	2	p0810147
e.mb.box03	3	p0810148
e.mb.box04	4	p0810149
e.mb.box05	5	p0810150

## Protective cover

Used to increase the degree of protection of 22 mm buttons, switches and indicators to IP65.

Title	Diameter, mm	Product code
e.mb.22a	22	p0810145



### Label holder

Used to mark 22 mm buttons, indicators and switches.

Title	Product code
e.m.b.a	p0810144



### Control panels with stop button.

Designed for switching control circuits of various process equipment.



Title	Pusher	Contact	Colour tappet	Product code
e.cs.stand.xal.d.111	button without symbol, marked "OFF"	NC	red	s006014
e.cs.stand.xal.d.112	"O" button			s006009
e.cs.stand.xal.d.117	OFF" button			s006010

### Control pendant with convex push button



Title	Pusher	Contact	Colour tappet	Product code
e.cs.stand.xal.d.115	"O" button	NC	red	s006011
e.cs.stand.xal.d.118	OFF" button			s006012

### Control cassettes with push-button start



Title	Pusher	Contact	Colour tappet	Product code
e.cs.stand.xal.d.101	button without symbol, inscription "ON"	NO	green	s006013
e.cs.stand.xal.d.102	"I" button			s006007
e.cs.stand.xal.d.104	ON" button			s006008

### Control pendant with push button and sector switch



Title	Pusher	Contact	Colour tappet	Product code
e.cs.stand.xal.d.134	sector switch	NO	0-1	s006011

### Push-button sector control pendant with key



Title	Contact	Switch position	Product code
e.cs.stand.xal.d.144	NO	0-1	s006020

### Control pendant with non-lockable mushroom button



Title	Contact	Switch position	Product code
e.cs.stand.xal.d.164	NC	red	s006015

### Control pendant with "Stop" mushroom button with locking mechanism



Title	Contact	Switch position	Product code
e.cs.stand.xal.d.174	NC	red	s006016

### Control pendant "Start-Stop indicator"



Title	Pushers/indications	Contact		Colour of the tappet	Product code
		NO	NC		
e.cs.stand.xal.d.361.m	button "ON" button "OFF" LED indicator ~ 230 V	1 -	- 1	green red	s006022
e.cs.stand.xal.d.363.ms	"O" button "I" button LED indicator ~ 230 V	- 1	- 1	green red	s006021

## Start-Stop" control pendant



Title	Pushers/indications	Contact		Colour of the tappet	Product code
		NO	NC		
e.cs.stand.xal.d.211	button without symbols, button without symbols	1 -	- 1	green red	s006018
e.cs.stand.xal.d.213	"ON" "OFF" button	1 -	- 1	green red	s006017

## NO contact for pendant control

Applies only to e.cs.stand.xal.d.



Title	Contact	Colour	Product code
e.cb.stand.xal.no	NO	green	s008006

## Control pendant IP65

Designed to control mechanisms.



Title	Number of buttons	Contacts	Product code
e.cs.stand.xac.a.271	2	2NO	s007004
e.cs.stand.xac.a.281		2NO+2NC	s007005
e.cs.stand.xac.a.2713.1	2+stop	2NO+1NC	s007006
e.cs.stand.xac.a.2813.1		2NO+3NC	s007007

Title	Number of buttons	Contacts	Product code
e.cs.stand.xac.a.471	4	4NO	s007008
e.cs.stand.xac.a.481		4NO+4NC	s007009
e.cs.stand.xac.a.4713.3	4+stop	4NO+1NC	s007010
e.cs.stand.xac.a.4813.2		4NO+5NC	s007011



Title	Number of buttons	Contacts	Product code
e.cs.stand.xac.a.671	6	6NO	s007012
e.cs.stand.xac.a.681		6NO+6NC	s007013
e.cs.stand.xac.a.6813	6+stop	6NO+7NC	s007014
e.cs.stand.xac.a.881	8	7NO+8NC	s007015
e.cs.stand.xac.a.8813	8+stop	8NO+9NC	s007016

## IP65 control pendants with key, single and double speed



Title	Number of buttons	Contacts	Number speeds	Product code
e.cs.stand.xac.a.2713k	2+stop	2NO+1NC	1	s007017
e.cs.stand.xac.a.2913k	2+stop	4NO+3NC	2	s007018
e.cs.stand.xac.a.4713k	4+stop	4NO+1NC	1	s007019
e.cs.stand.xac.a.4913k	4+stop	8NO+5NC	2	s007020
e.cs.stand.xac.a.6713k	6+stop	6NO+1NC	1	s007021
e.cs.stand.xac.a.6913k	6+stop	12NO+7NC	2	s007022

## Control pendant IP54

Designed to control lift mechanisms.



Title	Number of buttons	Contacts	Product code
e.cob.stand.2	2	2NO	s007001
e.cob.stand.4	4	4NO	s007002
e.cob.stand.6	6	6NO	s007003
e.cob.stand.8	8	8NO	s0070004



### Limit switches e.limitswitch, IP65

They are designed for use in AC control circuits for various electrical appliances in industrial and domestic premises. They perform the following functions: switching on, switching off or blocking (depending on the control scheme).



Title	Rated current, A	Rated voltage, B	Contact type	Product code
e.limitswitch.01	5	~ 250	1NO+1NC	s0070005
e.limitswitch.02				s0070006
e.limitswitch.03				s0070007
e.limitswitch.04				s0070008
e.limitswitch.05				s0070009
e.limitswitch.06				s0070010
e.limitswitch.07				s0070011
e.limitswitch.08				s0070012
e.limitswitch.09				s0070013
e.limitswitch.10				s0070014

### Switches footswitches

Designed for use in control circuits of machine tools and other electrical equipment. They enable the operator to work in a safe environment, leaving their hands free to perform other tasks. The open version provides immediate access to the ejector. When closed, the cover provides protection against accidental activation of the switch.



Title	Rated current, A	Rated voltage, B	Material.	Product code
e.fs.01	10	~ 250	plastic	p0810151
e.fs.02			metal	p0810152
e.fs.03				p0810153

### Switches rocker switches

Designed to switch on/off alarm, power and control circuits.



Title	Current intensity, A	Working algorithm	Product code
e.switch.key.01, 3-pin, with indicator	6/10	ON-OFF with fixation	s2040001
e.switch.key.02, 6 6 pin, double, with indication	15/20		s2040002
e.switch.key.03, 3-pin, with indicator			s2040003
e.switch.key.04, 4-pin, with indicator			s2040004
e.switch.key.05 without display	15	I-O-II	s2040005

### Packet switches e.industrial

#### Enclosed switches e.industrial.sb, IP65

Designed for non-automatic switching of 400 V, 50 Hz electrical circuits.



Title	Number of poles	Switch position	Rated current, A	Product code
e.industrial.sb.0-1-2.3.20	3	0-1-2	20	i0360015
e.industrial.sb.0-1-2.3.32			32	i0360016
e.industrial.sb.1-0.3.20	3	1-0	20	i0360001
e.industrial.sb.1-0.3.32			32	i0360002
e.industrial.sb.1-0.3.63			63	i0360003
e.industrial.sb.1-0.3.100			100	i0360004

Title	Number of poles	Switch position	Rated current, A	Product code
e.industrial.sb.1-0.4.20	4	1-0	20	i0360008
e.industrial.sb.1-0.4.32			32	i0360009
e.industrial.sb.1-0.4.40			40	i0360020
e.industrial.sb.1-0.4.63			63	i0360010
e.industrial.sb.1-0.4.100			100	i0360011
e.industrial.sb.1-0-2.3.20	3	1-0-2	20	i0360005
e.industrial.sb.1-0-2.3.32			32	i0360017
e.industrial.sb.1-0-2.3.40			40	i0360006
e.industrial.sb.1-0-2.3.63			63	i0360019
e.industrial.sb.1-0-2.3.100			100	i0360007
e.industrial.sb.1-0-2.4.20	4		20	i0360012
e.industrial.sb.1-0-2.4.40			40	i0360013
e.industrial.sb.1-0-2.4.100			100	i0360014

### Modular ATS units of the pro series

They are designed to start the generator, protect against overload, short circuit, low voltage and phase loss.

Title	Number of poles	Rated breaking capacity I <sub>cn</sub> , kA	Equipment.	Rated current I <sub>n</sub> , A	Nominal frequency, Hz	Product code
e.pro.ats.4.63	4	6	Automatic circuit breakers e.mcb. stand 60 C, 63A - 2 pcs.	63	50/60	p060001



### ATS industrial series

They are designed to start the generator, protect against overload, short circuit, low voltage and phase loss.

Title	Number of poles	Rated current I <sub>n</sub> , A	Operating voltage, V	Rated breaking load I <sub>cu</sub> , kA	Rated operational breaking capacity I <sub>cs</sub> , kA (400 V LOUDSPEAKER)	Product code
e.industrial.ats.4.80	4	80	L-N: 150-300	50	35	i088001
e.industrial.ats.4.100		100				i088002
e.industrial.ats.4.125		125				i088003
e.industrial.ats.4.160		160		35	22	i088004
e.industrial.ats.4.200		200				i088005
e.industrial.ats.4.225		225				i088006
e.industrial.ats.4.250		250				i088007
e.industrial.ats.4.315		315		65	45	i088008
e.industrial.ats.4.400		400				i088009
e.industrial.ats.4.630		630		65	50	i088010
e.industrial.ats.4.800		800				i088011
e.industrial.ats.4.1000		1000				i088012



## MONITORING AND CONTROL EQUIPMENT

### Switch-on delay relay e.control.t15

Designed to switch on the load in automation systems (ventilation, lighting, etc.) after a specific time.



Title	Time setting range, s	Rated supply voltage, V	Rated contact current, A	Product code
e.control.t15	0,3-30	(A1-A2): AC 230, (A2-A3): DC 24	8	i0310027

### Relay for temporary switching (0.3-30 s) when voltage is applied e.control.t16

It is used in industrial and home automation systems. When voltage is applied, The relay temporarily switches on for the selected time, then switches off and remains in the off state until the voltage is disconnected and reconnected.



Title	Time setting range, s	Rated supply voltage, V	Rated contact current, A	Product code
e.control.t16	0,3-30	(A1-A2): AC 230, (A2-A3): DC 24	8	i0310028

### Asymmetric repeat time relay cycle e.control.t17

It is designed to provide periodic on/off time delays in the automation and control circuits of various technological processes in relation to the supply voltage or control contact..



Title	Time setting range	Rated supply voltage, V	Rated contact current, A	Product code
e.control.t17	0,1 s - 100 days	~ 230	8	i0310029

### Star/delta time relay e.control.t18

It is designed to control contactors that switch the motor windings from a star scheme at start-up to a delta scheme in operation.



Title	Scope time settings	Rated supply voltage, V	Rated contact current, A	Type contact	Product code
e.control.t18	0,1 s - 10 min	(A1-A2): AC 230; (A2-A3): DC 24	8	2 S/O	i0310030

### Timers e.control.t

They are used to count time intervals, automatically switching electrical appliances on or off at specific intervals.



Title	Description	Product code
e.control.t01	Staircase electromechanical timer - adjustment range for switch-off delay 1-7 min, discrete adjustment in 0.5 min increments.	i0310006



Title	Description	Product code
e.control.t02	Staircase electronic switch - the adjustment range for the switch-off delay is 0.5-20 minutes, Adjustment is stepless.	i0310007



Title	Description	Product code
e.control.t03	Daily electromechanical stopwatch - 96 ON/OFF cycles at 15-minute intervals. The power reserve is 72 hours.	i0310008



Title	Description	Product code
e.control.t04m	Electromechanical daily timer - 24 on/off cycles every 30 minutes. Operating time 150 hours.	i0310036
e.control.t08m	Electronic weekly single-channel timer - number of programmes On: 80. Minimum on/off interval is 1 minute. Battery life - 10 years..	i0310034
e.control.t09	Electronic two-channel timer - number of on/off programmes: 100 on two independent channels. Minimum on/off interval is 1 minute. Battery life - 10 years.	i0310012
e.control.t10	Electronic two-channel astronomical clock - number of on/off programmes: 80 on two independent channels. The minimum on/off interval is 1 minute. Battery life - 10 years.	i0310013
e.control.t10m	Electronic single-channel astronomical clock - number of On/Off programmes: 40 Minimum On/Off interval - 1 min. The battery life is 10 years.	i0310035

### Single-phase voltage control relays e.control.v

They are designed to control the supply voltage in single-phase AC circuits and protect electricity consumers from overvoltage or undervoltage by switching off the supply voltage when it exceeds preset limits with a specified delay and automatically switching on the supply with a specified delay when the normal (rated) voltage level is restored..



Title	Voltage adjustment range, V		Switch-off delay setting, S	Switch-on delay setting, S	Rated contact current, A	Product code
	above the upper limit	below the lower limit				
e.control.v01	~ 225-275	~ 165-215	0,1-10	0,3-30	25	p0690006



Title	Voltage adjustment range, V		Switch-off delay setting, S	Switch-on delay setting, S	Rated contact current, A	Product code
	above the upper limit	below the lower limit				
e.control.v02	~ 225-275	~ 165-215	0,1-10	1	1,5	p0690007



Title	Voltage adjustment range, V		Switch-off delay setting, S	Switch-on delay setting, S	Rated contact current, A	Product code
	above the upper limit	below the lower limit				
e.control.v07	~ 220-280	~ 160-210	0,1	5-600	16	i0310022



Title	Voltage adjustment range, V		Switch-off delay setting, S	Switch-on delay setting, S	Rated contact current, A	Product code
	above the upper limit	below the lower limit				
e.control.v08	~ 230-275	~ 160-210	≥120 B-0,5 c, <120 V-0,1 s, overvoltage - 0,5s	5-600	32	p0690013
e.control.v09					63	p0690014
e.control.v17					40	p0690027

### 63A single-phase voltage and current monitoring relay with indication.



Title	Rated current, A	Nominal frequency, Hz	Rated current, In, A	Product code
e.control.pro.vcm63	85-300	50	63	p0690103

### Three-phase voltage control relays e.control.v

Designed to monitor three-phase AC voltage values and protect consumers from: over- or under-voltage, incorrect phase sequence, asymmetry and phase loss



Title	Voltage adjustment range, V		Correction asymmetry, %.	Delay temporary when switching off, S	Switch-on delay setting, S	Type and number of contacts	Product code
	above the upper limit	below the lower limit					
e.control.v06	~ 381-500 OFF	~ 260-379 OFF	5-20 WYŁ.	0,1-20	0,1-30	1NO+1NC	p0690011



Title	Controlled voltage range, V		Asymmetry, %.	Time delay when switching off, S	Shutdown time in case of abnormal change and interruption phases, S	Type and number contacts	Product code
	above the upper limit	below the lower limit					
e.control.v03m	~ 460	~ 340	8	2	0,5	1NO+1NC	p0690020



Title	Voltage adjustment range, V		Asymmetry control, V	Time delay at switch-off, S	Switch-on delay setting, S	Rated contact current, A	Product code
	via top border	below the lower limit					
e.control.v16	~ 220-300	~ 120-210	20-99, Изк.	≥120 B-0,5 c, <120 V-0,1 s, with overvoltage - 0,5c	5-600	63	p0690026



Title	Voltage adjustment range, V				Asymmetry, %.	Switch-off delay setting, S	Disconnection time in case of abnormal transformation and phase loss, S	Type and number contacts	Product code
	via top border		below the lower limit						
	3P3W	3P4W	3P3W	3P4W					
e.control.v04m	~ 400-540	~ 231-312	~ 266-361	~ 154-228	5-20	0,1-10	0,5	1NO+1NC	p0690021

### Motor protection relay e.control.m

They are designed to control and protect three-phase squirrel-cage induction motors against overload, load asymmetry and phase loss. For load switching, the motor protection relay is used in conjunction with a contactor.



Title	Trigger current adjustment range, A	Rated voltage supply, V	Rated contact current, A	Contact type	Class of operation	Product code
e.control.m04	1-5	~ 220±10 %	1,5	1 S/O	5, 10 A, 10, 20, 30	p0690018
e.control.m05	4-20					p0690019
e.control.m01	12-60					p0690001
e.control.m02	40-200					p0690002
e.control.m03	80-400					p0690003

## Modular electronic electricity meters e.control.w (for noncommercial metering)

Designed for internal measurement of electricity consumption in the single-phase and three-phase. The meters are used in AC networks and cannot be used as commercial metering devices for electricity billing. Due to their small dimensions and permissible loads, these meters are ideal for technical (internal) electricity metering in modular panels. The meters have a pulse output and are equipped with blanking plugs.



Title	Rated current for direct connection, A	Rated voltage, V	Accuracy class	Product code
e.control.w04m	45	~ 230	1	i0310031m
e.control.w05	100	~ 3×230/400		i0310032

### Single-phase meter e.control.w07 5(65)A class 1.0



Title	Rated current, In, A	Rated voltage, V	Frequency, Hz	Operating range voltage, V	Accuracy class	Wi-Fi	Product code
e.control.w07	5 (65)	230	50/60	90-300	1	802.11b/g/n, supports 2.4 GHz network	i0310037

### Three-phase meter e.control.w08 10(100)A, e.control.w09 5A/class 1.0



Title	Rated current, In, A	Rated voltage, V	Frequency, Hz	Operating voltage range, V	Accuracy class	RS485	Product code
e.control.w08	10 (100) A	3×230/400	50/60	0,8~1,2 Un	1	transmission rate 1 200~9 600 bits to 9 by default 600 bits, address 1~247, no parity, bits stop 1, data bits 8	i0310038
e.control.w09	5 A/CT						i0310039

### Power control relay e.control.w03

Designed to protect drilling pumps from dry running, overload and overvoltage.



Title	Nominal supply voltage, V	Setting range for rated current, A	Low current operating range, A	Adjustment range for switch-on delay after emergency mode, s	Overvoltage protection tripping voltage, V	Product code
e.control.w03	~ 230 ±10 %	0,5-5	(0,4-0,9) ×Inom	2-60	~ 265	i0310026

### Current control relay (priority) e.control.w02

It is used to protect motors or other systems from over-current consumption depending on the setpoint.



Title	Adjustment range time delay, s		Number and type contacts	Current rating adjustment range, A	Rated contact current (AC1), In, A	Product code
	during shutting down	during inclusion of				
control.w02	1-10	1-6	1 S/O	0,5-10	8	i0310025

### Twilight relay with remote sensor e.control.s01

It is designed to automatically switch lighting and other electrical equipment on and off depending on the light level.



Title	Scope regulation, lux	Nominal supply voltage, B	Description	Rated contact current at $\cos \varphi=1/0,7$ , A	Product code
e.control.s01	2-100	~ 230	IP20 twilight relay with sensor outdoor IP65	20/16	i0310014

### Pulse relay e.control.i02

Designed to switch lighting or other equipment on/off from several different points using parallel connected pushbutton switches in a control circuit.



Title	Rated voltage of the power supply and management circuit, B	Description	Contact type	Product code
e.control.i02	~ 230	Impulse relay, 16 A	1 S/O	i0310040

### Temperature control relay e.control.h

They are designed to control and maintain the temperature of air in residential and industrial spaces, as well as objects and liquids in various technological processes at a certain level by controlling electrical equipment for heating or cooling.



Title	Rated supply voltage, V	Rated current, at 250 V, A	Range of adjustment, °C	Contact type	Product code
e.control.h01	~/= 24-240	16	-5...+40	1 S/O	i0310016



Title	Rated supply voltage, V	Rated current, at 250 V, A	Range of adjustment, °C	Вид на контакта	Product code
e.control.h02	~/= 24-240	16	-25...+130	1 NO	i0310017

### T, V, W, D socket relays



Title	Description	Product code
e.control.t11	Electromechanical daily timer socket - 48 on/off cycles every 15 minutes.	i0310018
e.control.t12	Weekly electromechanical socket timer - 42 on/off cycles every 2 hours.	i0310019



Title	Description	Product code
e.control.t13	Weekly electronic socket timer - maximum number of on/off cycles: Daily - 20, weekly - 140. Minimum on/off switching interval is 1 min. The maximum switching current is 8 A at $\cos \varphi = 1$ . The power reserve is 100 hours.	i0310020



Title	Description	Product code
e.control.t14	Weekly electronic socket timer - maximum number of on/off cycles: per day - 8, per week - 56. The minimum switching interval is 1 min. The maximum switching current is 16 A at $\cos \varphi = 1$ . The power reserve is 100 hours.	i0310021

### Electronic socket differential relay e.control.d01

Designed with protection in mind:

-people against electric shock through direct contact with live parts and indirect contact with live parts of electrical installations that are live due to damaged insulation;



Title	Operating voltage range, V	Rated voltage, V	Rated current, A	Nominal switching differential current, mA	Degree protection	Product code
e.control.d01	~ 115-265	~ 230	16	30	IP20	i0310024

### Automatic reserve input relay e.control.v12 and e.control.v13

They are used to build automatic emergency power supplies in facilities:

-e.control.v12 - feeding the load from the main or reserve input;  
-e.control.v13 - feeding two receivers from two independent main inputs.

In the event of a fault, the power supply can be switched to another source using a section switch.



Title	Voltage adjustment range, V		Type of control cables	Setting the switch-off delay	Switch-on delay setting, s	Product code
	above the upper limit	below the lower limit				
e.control.v12	~ 400-500	~ 290-390	3×400 V+N	5 s-10 min	0,3-15	p0690022
e.control.v13	~ 400-500	~ 290-390	3×400 V+N	5 s-10 min	0,3-15	p0690023

### Priority phase selection relay e.control.v11

It is designed to supply 230 V, 50 Hz to industrial or domestic loads from a three-phase, four-wire mains to provide uninterrupted power to single-phase loads and protect them from emergency voltage fluctuations. It is connected to the load via contactors (sold separately).



Title	Voltage adjustment range, V		Maximum contact switching current, A	Emergency voltage response time, s	Product code
	above top limit	below lower limit			
e.control.v11	~ 230-280	~ 160-210	16	<0,2	p0690016

### Multifunctional time relay e.control.t06m

It is designed to provide on/off time delay in automation and control circuits for various technological processes in relation to the switching on of the supply voltage or the contact.



Title	Time setting range	Rated supply voltage, V	Rated contact current, A	Product code
e.control.t06m	0,1 s - 100 h	AC/DC 12-240	1,5	p0690012



**Time relay (delayed shutdown during power failure)  
e.control.t07m**

Designed to provide delayed switch-off time during shutdown (disappearance) supply voltage in the automation and control circuits of various processes.



Title	Maximum co-current (at 250 V) Ie, A	Delay adjustment range	Rated voltage, V	Product code
e.control.t07m	8 (AC-1)/2 (AC-15)	0,1 s - 10 min	AC/DC 24-240	p0690024

**Liquid level switch e.control.l01, 8A, 230V**



Title	Nominal (maximum) current, A	Rated voltage, V	Product code
e.control.l01	8	AC/DC 24-240	p075001

**Liquid level switch sensor e.control.l02**



Title	Diameter, mm	L (length), mm	Material.	Product code
e.control.l02	19	96	stainless steel/plastic	p075002

## CABINETS AND CASES

### Shock-resistant cabinets made of ABS plastic, IP65 with mounting plate

They are installed indoors and outdoors in areas of high humidity and dusty. Designed for the installation of power, protection and distribution equipment, automation and control equipment, cable network equipment, data network equipment, etc.



Title	Size	Product code
<b>With opaque door</b>		
e.plbox.180.240.130.blank	180×240×130	CP5022
e.plbox.210.280.130.blank	210×280×130	CP5001
e.plbox.250.330.130.blank	250×330×130	CP5002
e.plbox.300.350.165.blank	300×350×165	CP5021
e.plbox.300.400.165.blank	300×400×165	CP5003
e.plbox.300.400.195.blank	300×400×195	CP5003D
e.plbox.350.500.195.blank	350×500×195	CP5007
e.plbox.400.500.175.blank	400×500×175	CP5004
e.plbox.400.600.200.blank	400×600×200	CP5005
e.plbox.500.600.220.blank	500×600×220	CP5008
e.plbox.500.700.245.blank	500×700×245	CP5006
e.plbox.600.800.260.blank	600×800×260	CP5009
e.plbox.750.1000.300.blank	750×1000×300	CP5023



Title	Size	Product code
<b>With transparent door</b>		
e.plbox.180.240.130.tr	180×240×130	CP5032
e.plbox.210.280.130.tr	210×280×130	CP5011
e.plbox.250.330.130.tr	250×330×130	CP5012
e.plbox.300.350.165.tr	300×350×165	CP5031
e.plbox.300.400.165.tr	300×400×165	CP5013
e.plbox.300.400.195.tr	300×400×195	CP5013D
e.plbox.350.500.195.tr	350×500×195	CP5017
e.plbox.400.500.175.tr	400×500×175	CP5014
e.plbox.400.600.200.tr	400×600×200	CP5015
e.plbox.500.600.220.tr	500×600×220	CP5018
e.plbox.500.700.245.tr	500×700×245	CP5016
e.plbox.600.800.260.tr	600×800×260	CP5019

### Shock-resistant plastic enclosures, IP65. Modular construction

Designed for the installation of modular equipment.



Title	Number of modules	Product code
<b>With opaque door</b>		
e.plbox.210.280.130.8m.blank	8	CP5101
e.plbox.250.330.130.18m.blank	18	CP5102
e.plbox.300.400.165.24m.blank	24	CP5103
e.plbox.400.500.175.54m.blank	54	CP5104
e.plbox.400.600.200.60m.blank	60	CP5105
e.plbox.350.500.195.45m.blank	45	CP5107
e.plbox.500.700.245.88m.blank	88	CP5106



Title	Number of modules	Product code
<b>With transparent door</b>		
e.plbox.210.280.130.8m.tr	8	CP5111
e.plbox.250.330.130.18m.tr	18	CP5112
e.plbox.300.400.165.24m.tr	24	CP5113
e.plbox.400.500.175.54m.tr	54	CP5114
e.plbox.400.600.200.60m.tr	60	CP5115
e.plbox.350.500.195.45m.tr	45	CP5117
e.plbox.500.700.245.88m.tr	88	CP5116

### Shock-resistant plastic enclosures, IP65. Distribution

Designed for the installation of 1-phase and 3-phase electricity meters, and and lowvoltage modular electrical equipment.



Title	Type	Number of modules	Product code
With opaque door			
e.plbox.250.330.130.1f.2m.blank	1-phase	2	CP5201
e.plbox.300.400.165.1f.15m.blank		15	CP5202
e.plbox.400.500.175.3f.6m.blank	3-phase	6	CP5203
e.plbox.400.600.200.3f.20m.blank		20	CP5204
With transparent door			
e.plbox.250.330.130.1f.2m.tr	1-phase	2	CP5211
e.plbox.300.400.165.1f.15m.tr		15	CP5212
e.plbox.400.500.175.3f.6m.tr	3-phase	6	CP5213
e.plbox.400.600.200.3f.20m.tr		20	CP5214

### Metal enclosures e.mbox.stand

Designed for the installation of low-voltage modular electrical equipment.

#### Modular, built-in design, IP30



Title	Number of modules	Product code
e.mbox.stand.w.06.z	6	s0100018
e.mbox.stand.w.08.z	8	s0100149
e.mbox.stand.w.12.z	12	s0100021
e.mbox.stand.w.15.z	15	s0100022
e.mbox.stand.w.24.z	12+12	s0100024
e.mbox.stand.w.36.z	12+12+12	s0100026
e.mbox.stand.w.48.z	12+12+12+12	s0100125

#### Modular hinged design, IP30














Title	Number of modules	Product code
e.mbox.stand.n.06.z	6	s0100019
e.mbox.stand.w.08.z	8	s0100149
e.mbox.stand.n.12.z	12	s0100020
e.mbox.stand.n.15.z	15	s0100023
e.mbox.stand.n.24.z	12+12	s0100025
e.mbox.stand.n.36.z	12+12+12	s0100027
e.mbox.stand.n.48.z	12+12+12+12	s0100124

### Metal modular enclosures MBOX series Professional









Designed for the installation of low-voltage modular electrical equipment.



Title	Housing dimensions (H×W × D), mm	Number modules	Equipment	Thickness of body metal, mm	Product code
Installed installation					
e.mbox.pro.n.12 IP31	240×310×120	12	Body - 1 pc; Panel -1 pc; Door - 1 pc; Lock - 1 pc; DIN rail - 1 pc; Mounting bracket - 1 pc.	0,8	p0100201

Title	Housing dimensions (H×W×D), mm	Number modules	Equipment	Thickness of body metal, mm	Product code
 e.mbox.pro.n.18 IP31	240×420×120	18	Enclosure - 1 pc; Panel - 1 pc; Door - 1 pc; Lock - 1 pc; DIN rail - 1 pc; Support for fasteners - 1 pc.	0,8	p0100202
 e.mbox.pro.n.24 IP31	375×310×120	24	Enclosure - 1 pc; Panel - 1 pc; Door - 1 pc; Lock - 1 pc; DIN rail - 2 pc; Support for fasteners - 1 pc.		p0100203
 e.mbox.pro.n.36 IP31	510×310×120	36	Enclosure - 1 pc; Panel - 1 pc; Door - 1 pc; Lock - 1 pc; DIN rail - 3 pc; Support for fasteners - 1 pc.		p0100204
 e.mbox.pro.n.48 IP31	645×310×120	48	Enclosure - 1 pc; Panel - 1 pc; Door - 1 pc; Lock - 1 pc; DIN rail - 4 pc; Support for fasteners - 1 pc.		p0100205
 e.mbox.pro.n.54 IP31	510×420×120	54	Enclosure - 1 pc; Panel - 1 pc; Door - 1 pc; Lock - 1 pc; DIN rail - 3 pc; Support for fasteners - 1 pc.		p0100206
 e.mbox.pro.n.72 IP31	500×600×120	72	Enclosure - 1 unit; Panel - 1 unit; Door - 2 units; Lock - 2 units; DIN rail - 3 units; Support for fasteners - 1 pc.		p0100207
 e.mbox.pro.n.12 IP54	240×310×150	12	Enclosure - 1 pc; Panel - 1 pc; Door - 1 pc; Lock - 1 pc; DIN rail - 1 pc; Support for fasteners - 1 pc.		p0100215
 e.mbox.pro.n.24 IP54	375×310×150	24	Enclosure - 1 pc; Panel - 1 pc; Door - 1 pc; Lock - 1 pc; DIN rail - 2 pc; Support for fasteners - 1 pc.		p0100216
 e.mbox.pro.n.36 IP54	510×310×150	36	Enclosure - 1 pc; Panel - 1 pc; Door - 1 pc; Lock - 1 pc; DIN rail - 3 pc; Support for fasteners - 1 pc.		p0100217
 e.mbox.pro.n.48 IP54	645×310×120	48	Enclosure - 1 pc; Panel - 1 pc; Door - 1 pc; Lock - 1 pc; DIN rail - 3 pc; Support for fasteners - 1 pc.		p0100218
 e.mbox.pro.n.54 IP54	510×420×120	54	Body - 1 pc; Panel - 1 pc; Doors - 2 pcs; Lock - 2 pieces; DIN rail - 3 pieces; Bracket assembly - 1 pc.	p0100219	

## Electrical Newest Exclusive Extended Technologies

	Title	Body dimensions (H × W × D), mm	Number modules	Kit	Thickness of metal body, mm	Product code
	e.mbox.pro.n.72 IP54	500×600×120	72	Body - 1 pc; Panel - 1 pc; Door - 1 pc; Lock - 1 pc; DIN rail - 1 pc; Bracket assembly - 1 pc.	0,8	p0100220
installation under construction						
	e.mbox.pro.w.12 IP31	Niche: 232×282×120 Body: 285×335×122	12	Body - 1 pc; Panel - 1 pc; Door - 1 pc; Lock - 1 pc; DIN rail - 1 pc.	0,8	p0100208
	e.mbox.pro.w.18 IP31	Niche: 232×390×120 Body: 285×443×122	18	Body - 1 pc; Panel - 1 pc; Door - 1 pc; Lock - 1 pc; DIN rail - 1 pc.		p0100209
	e.mbox.pro.w.24 IP31	Niche: 362×282×120 Body: 415×335×122	24	Body - 1 pc; Panel - 1 pc; Door - 1 pc; Lock - 1 pc; DIN rail - 2 pcs.		p0100210
	e.mbox.pro.w.36 IP31	Niche: 492×282×120 Body: 545×335×122	36	Body - 1 pc; Panel - 1 pc; Door - 1 pc; Lock - 1 pc; DIN rail - 3 pcs.		p0100211
	e.mbox.pro.w.48 IP31	Niche: 622×282×120 Body: 675×335×122	48	Body - 1 pc; Panel - 1 pc; Door - 1 pc; Lock - 1 pc; DIN rail - 4 pcs.		p0100212
	e.mbox.pro.w.54 IP31	Niche: 492×390×120 Body: 545×443×122	54	Body - 1 pc; Panel - 1 pc; Door - 1 pc; Lock - 1 pc; DIN rail - 3 pcs.		p0100213
	e.mbox.pro.w.72 IP31	Niche: 492×502×120 Body: 545×555×122	72	Body - 1 pc; panel - 1 unit; Door - 2 units; Lock - 2 units; DIN rail - 3 units.		p0100214

## PRODUCTS FOR INSTALLATION

### Products for switchboard equipment

#### Terminal blocks with PLEXI protection

Designed for connecting copper or aluminium wires in circuits Electrical.



Title	Rated current, A	Number of terminals	Product code
e.tc.protect.15.3	15	3	p056001
e.tc.protect.15.4		4	p056002
e.tc.protect.15.6		6	p056003
e.tc.protect.15.10		10	p056004
e.tc.protect.15.12		12	p056005
e.tc.protect.25.3	25	3	p056006
e.tc.protect.25.4		4	p056007
e.tc.protect.25.6		6	p056008
e.tc.protect.25.10		10	p056009
e.tc.protect.25.12		12	p056010
e.tc.protect.35.3	35	3	p056011
e.tc.protect.35.4		4	p056012
e.tc.protect.35.6		6	p056013
e.tc.protect.35.12		12	p056014
e.tc.protect.45.3	45	3	p056015
e.tc.protect.45.4		4	p056016
e.tc.protect.45.6		6	p056017
e.tc.protect.45.12		12	p056018
e.tc.protect.60.3	60	3	p056019
e.tc.protect.60.4		4	p056020
e.tc.protect.60.6		6	p056021
e.tc.protect.60.12		12	p056022
e.tc.protect.100.3	100	3	p056023
e.tc.protect.100.4		4	p056024
e.tc.protect.100.6		6	p056025
e.tc.protect.100.12		12	p056026

#### Couplings and connection blocks

Designed for connecting copper or aluminium wires in electrical circuits.



Title	Rated current, A	Cross-section of connected cable, mm <sup>2</sup>	Product code
e.tc.end.stand.5.4	3	4	s2039001
e.tc.end.stand.5.6	6	6	s2039002
e.tc.end.stand.5.10	10	10	s2039003
e.tc.end.stand.5.16	25	16	s2039004
e.tc.stand.12.4	3	4	s016001
e.tc.stand.12.6	6	6	s016002
e.tc.stand.12.10	10	10	s016003
e.tc.stand.12.14	20	14	s016004
e.tc.stand.12.16	30	16	s016007
e.tc.stand.12.25	60	25	s016005
e.tc.stand.12.40	100	40	s016006
e.tc.stand.12.4.black	3	4	s016016
e.tc.stand.12.6.black	6	6	s016017
e.tc.stand.12.10.black	10	10	s016018
e.tc.stand.12.14.black	20	14	s016019
e.tc.stand.12.20.black	30	20	s016020
e.tc.stand.12.25.black	60	25	s016021

Title	Rated current, A	Cross-section of connected cable, mm <sup>2</sup>	Product code
e.tc.stand.12.4.orange	3	4	s016023
e.tc.stand.12.6.orange	6	6	s016024
e.tc.stand.12.10.orange	10	10	s016025
e.tc.stand.12.14.orange	20	14	s016026
e.tc.stand.12.20.orange	30	20	s016027
e.tc.stand.12.25.orange	60	25	s016028

## Couplings lever couplings

Designed for the multiple screwless connection and branching of 220.5 - 4 mm single-core copper cables and 0.08 - 2.5 mm stranded copper cables.

Title	Number of wires to be connected	Product code
e.lc.pro.pl.2	2	p0660001
e.lc.pro.pl.3	3	p0660002
e.lc.pro.pl.5	5	p0660003
e.lc.pro.aw.pl.2	2	p0660101
e.lc.pro.aw.pl.3	3	p0660102
e.lc.pro.aw.pl.5	5	p0660103
e.lc.pro.aw.uni.pl.1	1	p0660201
e.lc.pro.aw.uni.pl.2	2	p0660202
e.lc.pro.aw.uni.pl.3	3	p0660203
e.lc.pro.tr.pl.2	2	p0660108
e.lc.pro.tr.pl.3	3	p0660109
e.lc.pro.tr.pl.4	4	p0660107
e.lc.pro.tr.pl.5	5	p0660110



Title	Connection section wire, mm <sup>2</sup>	Number of wires	Rated current, A	Product code
e.lc.pro.wa.pl.2	0,5-4(6)	2	41	p0660301
e.lc.pro.wa.pl.3		3		p0660302
e.lc.pro.wa.pl.4		4		p0660107
e.lc.pro.wa.pl.5		5		p0660303



Title	Connection section wire, mm <sup>2</sup>	Number of wires	Rated current, A	Product code
e.lc.pro.aw.uni.pl.1-2	0,08-2,5 (4)	1+2	32	p0660012
e.lc.pro.aw.uni.pl.1-3		1+3		p0660013
e.lc.pro.aw.uni.pl.1-4		1+4		p0660014
e.lc.pro.aw.uni.pl.2-4		2+4		p0660022
e.lc.pro.aw.uni.pl.2-6		2+6		p0660023
e.lc.pro.aw.uni.pl.2-8		2+8		p0660024



## Mounted on DIN rail

Title	Connection section wire, mm <sup>2</sup>	Number of wires	Rated current, A	Product code
e.lc.pro.din.uni.pl.1	0,08-2,5 (4)	1+1	32	p0660401



## Connection terminals for connection boxes

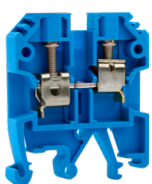
Designed for connecting and branching single-conductor copper and aluminium wires or copper cables with terminations. Cross-section of joined wires monolithic conductors is 1 - 2.5 mm<sup>2</sup>; stranded conductors crimped with a sleeve terminal is 1 - 1.5 mm<sup>2</sup>.



## Terminal blocks for rail mounting DIN

Title	Number of wires to be connected	Product code
e.lc.pro.ac.2	2	p0670001
e.lc.pro.ac.4	4	p0670002
e.lc.pro.ac.6	6	p0670003
e.lc.pro.ac.8	8	p0670004

## Designed for cable connection. Colour: grey, blue.



Title	Permissible continuous current, A	Conductor cross section, mm <sup>2</sup>	Product code
e.tc.din.pro.2.5	24	2,5	p049001
e.tc.din.pro.4	32	4	p049002
e.tc.din.pro.6	41	6	p049003
e.tc.din.pro.10	57	10	p049004
e.tc.din.pro.16	76	16	p049005
e.tc.din.pro.35	125	35	p049006
e.tc.din.pro.50*	160	50	p049007
e.tc.din.pro.70*	160	70	p049008
e.tc.din.pro.95**,**	250	95	p049009
e.tc.din.pro.150**,**	309	150	p049010
e.tc.din.pro.2.5.blue	24	2,5	p049022
e.tc.din.pro.4.blue	32	4	p049024
e.tc.din.pro.6.blue	41	6	p049026
e.tc.din.pro.10.blue	57	10	p049020
e.tc.din.pro.16.blue	76	16	p049021
e.tc.din.pro.35.blue	125	35	p049023
e.tc.din.pro.50.blue	160	50	p049025
e.tc.din.pro.70.blue	160	70	p049027
e.tc.din.pro.95.blue	250	95	p049028

\* Washer has closed side surfaces. \*\* Screw with hexagon socket.

## Set of terminal strip

## Earthing terminal blocks for DIN rail mounting

Designed for the connection of earthing cables.



Title	Conductor cross section, mm <sup>2</sup>	Product code
e.tc.z.din.pro.2.5	2,5	p050001
e.tc.z.din.pro.4	4	p050002
e.tc.z.din.pro.6	6	p050003
e.tc.z.din.pro.10	10	p050004
e.tc.z.din.pro.16	16	p050005

## Separators e.tc.sep.pro for terminal strips e.tc.din.pro

The end plates are designed to insulate the contact connections of the e.tc.din.pro terminal strip.



Title	Terminal block insulation	Product code
e.tc.sep.pro.2.5	e.tc.din.pro.2.5	p051001
e.tc.sep.pro.4.10	e.tc.din.pro.4, e.tc.din.pro.6, e.tc.din.pro.10	p051002
e.tc.sep.pro.16	e.tc.din.pro.16	p051003
e.tc.sep.pro.35	e.tc.din.pro.35	p051004



## Fixing elements e.tc.din.pro.end for terminal blocks e.tc.din.pro.pro on DIN rail

Designed for mounting modular devices on a 35 mm DIN rail.



Title	Product code
e.tc.din.pro.end	p051005
e.tc.din.pro.end.metal	p051006

## Earthing slats e.bsa.stand



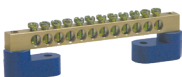
Title	Rated current, A	Number of inputs	Product code
e.bsa.stand.20.6	20	6	s056001
e.bsa.stand.20.6.base			s0560011
e.bsa.stand.20.12		12	s056002
e.bsa.stand.20.12.base			s0560021
e.bsa.stand.60.6	60	6	s056003
e.bsa.stand.60.12		12	s056004

## Plastic base with DIN rail fastening for busbars e.bsc.stand



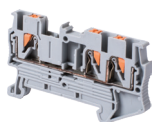
Title	Product code
e.bsc.stand.base	s055008

## Base with mounting legs for strips e.bsa

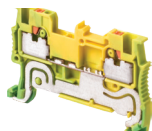


Title	Product code
e.bsa.stand.base	s056005

## DIN rail mounting terminal blocks



Title	Wire connection section, mm <sup>2</sup>	Insulation voltage (Ui), V	Maximum operating current, A	Product code
e.tc.din.spring.1,5	1,5	500	17,5	s070001
e.tc.din.spring.2,5	2,5	800	24	s070002
e.tc.din.spring.4	4		32	s070003
e.tc.din.spring.6	6	1000	41	s070004
e.tc.din.spring.10	10		51	s070005
e.tc.din.spring.16	16		76	s070006
e.tc.din.spring.4.HESI	4	500	6,3	s070007
e.tc.din.spring.2,5-1-2	2,5	800	24	s070008
e.tc.din.spring.4-1-2	4		32	s070009
e.tc.din.spring.2,5-2-2	2,5		24	s070010
e.tc.din.spring.4-2-2	4		32	s070011
e.tc.z.din.spring.1,5	1,5	500	17,5	s070012
e.tc.z.din.spring.2,5	2,5	800	24	s070013
e.tc.z.din.spring.4	4		32	s070014
e.tc.z.din.spring.6	6	1000	41	s070015
e.tc.z.din.spring.10	10		51	s070016
e.tc.z.din.spring.2,5-1-2	2,5		800	24
e.tc.z.din.spring.4-1-2	4	32		s070018
e.tc.z.din.spring.2,5-2-2	2,5	24		s070019
e.tc.z.din.spring.4-2-2	4	32		s070020



## Separators



Title	Product code
e.tc.sep.spring.1,5	s070022
e.tc.sep.spring.2,5	s070023
e.tc.sep.spring.4	s070024
e.tc.sep.spring.6	s070025
e.tc.sep.spring.10	s070026
e.tc.sep.spring.16	s070027
e.tc.sep.spring.2,5,1-2	s070028
e.tc.sep.spring.4,1-2	s070029
e.tc.sep.spring.2,5,2-2	s070030
e.tc.sep.spring.4,2-2	s070031
e.tc.din.spring.end	s070021

## Press-in bridges for rails series e.tc.din.string

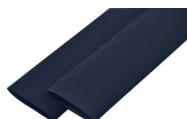


Title	Number of poles	Product code
e.jp.spring.2pin-1,5	2	s070032
e.jp.spring.3pin-1,5	3	s070033
e.jp.spring.10pin-1,5	10	s070034
e.jp.spring.2pin-2,5	2	s070035
e.jp.spring.3pin-2,5	3	s070036
e.jp.spring.10pin-2,5	10	s070037
e.jp.spring.2pin-4	2	s070038
e.jp.spring.3pin-4	3	s070039
e.jp.spring.10pin-4	10	s070040
e.jp.spring.2pin-6	2	s070041
e.jp.spring.10pin-6	10	s070042

## Heat shrinkable tubing

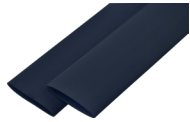
### Heat shrinkable tubing e.thermo

Designed to insulate cable connections.



Title	Colour	Pipe diameter before/after shrinkage, mm	Product code
e.thermo.stand.1,5,0,75.black	black	1,5/0,75	s024107
e.thermo.stand.1,5,0,75.blue	blue		s024109
e.thermo.stand.1,5,0,75.green	green		s024105
e.thermo.stand.1,5,0,75.red	red		s024108
e.thermo.stand.1,5,0,75.yellow	yellow		s024106
e.thermo.stand.1,0,5.black	black	1/0,5	s024102
e.thermo.stand.1,0,5.blue	blue		s024104
e.thermo.stand.1,0,5.green	green		s024100
e.thermo.stand.1,0,5.red	red		s024103
e.thermo.stand.1,0,5.yellow	yellow		s024101
e.thermo.stand.2,1.black	black	2/1	s024112
e.thermo.stand.2,1.white	white		s024212
e.thermo.stand.2,1.blue	blue		s024114
e.thermo.stand.2,1.green	green		s024110
e.thermo.stand.2,1.red	red		s024113
e.thermo.stand.2,1.yellow	yellow		s024111

## Electrical Newest Exclusive Extended Technologies



Title	Colour	Pipe diameter before/after shrinkage, mm	Product code
e.termo.stand.3.1,5.black	black	3/1,5	s024118
e.termo.stand.3.1,5.blue	blue		s024116
e.termo.stand.3.1,5.green	green		s024115
e.termo.stand.3.1,5.yellow	yellow		s024117
e.termo.stand.4.2.black	black	4/2	s024127
e.termo.stand.4.2.blue	blue		s024129
e.termo.stand.4.2.green	green		s024125
e.termo.stand.4.2.red	red		s024128
e.termo.stand.4.2.yellow	yellow		s024126
e.termo.stand.6.3.black	black	6/3	s0240015
e.termo.stand.6.3.blue	blue		s0240013
e.termo.stand.6.3.green	green		s0240011
e.termo.stand.6.3.red	red		s0240014
e.termo.stand.6.3.white	white		s024001
e.termo.stand.6.3.yellow	yellow	s0240012	
e.termo.stand.8.4.black	black	8/4	s024020
e.termo.stand.8.4.blue	blue		s024018
e.termo.stand.8.4.green	green		s024016
e.termo.stand.8.4.red	red		s024019
e.termo.stand.8.4.white	white		s024093
e.termo.stand.8.4.yellow	yellow		s024017
e.termo.stand.8.4.yellow-green	yellow-green		s024201
e.termo.stand.12.6.black	black	12/6	s024027
e.termo.stand.12.6.blue	blue		s024028
e.termo.stand.12.6.green	green		s024026
e.termo.stand.12.6.red	red		s024029
e.termo.stand.12.6.white	white		s024094
e.termo.stand.12.6.yellow	yellow		s024030
e.termo.stand.16.8.black	black	16/8	s024070
e.termo.stand.16.8.blue	blue		s024068
e.termo.stand.16.8.green	green		s024066
e.termo.stand.16.8.red	red		s024069
e.termo.stand.16.8.yellow	yellow		s024067
e.termo.stand.20.10.black	black	20/10	s024033
e.termo.stand.20.10.green	green		s024031
e.termo.stand.20.10.red	red		s024032
e.termo.stand.20.10.white	white		s024095
e.termo.stand.20.10.yellow	yellow		s024035
e.termo.stand.25.12,5.black	black	25/12,5	s024039
e.termo.stand.25.12,5.blue	blue	s024037	
e.termo.stand.25.12,5.green	green	25/12,5	s024040
e.termo.stand.25.12,5.red	red		s024036
e.termo.stand.25.12,5.white	white		s024096
e.termo.stand.25.12,5.yellow	yellow		s024038
e.termo.stand.30.15.black	black	30/15	s024152
e.termo.stand.30.15.blue	blue		s024154
e.termo.stand.30.15.green	green		s024150
e.termo.stand.30.15.red	red		s024153
e.termo.stand.30.15.yellow	yellow	s024151	
e.termo.stand.40.20.black	black	40/20	s024045
e.termo.stand.40.20.blue	blue		s024042
e.termo.stand.40.20.green	green		s024043
e.termo.stand.40.20.red	red		s024041
e.termo.stand.40.20.white	white		s024097
e.termo.stand.40.20.yellow	yellow	s024044	
e.termo.stand.50.25.black	black	50/25	s024050
e.termo.stand.50.25.blue	blue		s024048
e.termo.stand.50.25.green	green		s024046
e.termo.stand.50.25.red	red		s024049
e.termo.stand.50.25.white	white		s024098

Title	Colour	Pipe diameter before/after shrinkage, mm	Product code
e.thermo.stand.50.25.yellow	yellow	50/25	s024047
e.thermo.stand.60.30.green	green	60/30	s024155
e.thermo.stand.60.30.red	red		s024157
e.thermo.stand.100.50.black	black	100/50	s024174
e.thermo.stand.100.50.blue	blue		s024176
e.thermo.stand.100.50.green	green		s024175
e.thermo.stand.100.50.yellow	yellow		s024173
e.thermo.stand.120.60.black	black	120/60	s024179
e.thermo.stand.120.60.blue	blue		s024181
e.thermo.stand.120.60.red	red		s024180
e.thermo.stand.120.60.yellow	yellow		s024178
e.thermo.stand.150.75.black	black	150/75	s024184
e.thermo.stand.150.75.blue	blue		s024186
e.thermo.stand.150.75.green	green		s024182
e.thermo.stand.150.75.red	red		s024185
e.thermo.stand.150.75.yellow	yellow		s024183

## Heat shrink tubing sets e.thermo.stand.set

Designed to insulate cable connections.



Title	Number of tubes, pcs.	Length, mm	Pipe diameter before/after shrinkage, mm	Product code
e.thermo.stand.set.10.5	24	100	10/5	s063005
e.thermo.stand.set.12.6			12/6	s063006
e.thermo.stand.set.14.7			14/7	s063007
e.thermo.stand.set.16.8			16/8	s063008
e.thermo.stand.set.2.1			2/1	s063001
e.thermo.stand.set.20.10			20/10	s063009
e.thermo.stand.set.4.2			4/2	s063002
e.thermo.stand.set.6.3			6/3	s063003
e.thermo.stand.set.8.4			8/4	s063004
e.thermo.stand.set.4.6.8.10			32	

## DIN rails

They are designed for mounting modular electrical equipment inside complete low-voltage equipment.



Title	Type	Length, m	Product code
e.din.stand.rail.101	perforated	1	s023001
e.din.stand.rail.101.10		0,1	s023009
e.din.stand.rail.101.25		0,25	s023006
e.din.stand.rail.102	non-perforated	1	s023002
e.din.stand.rail.201	perforated	2	s023003
e.din.stand.rail.301, G-shaped		1	s023004
e.din.stand.rail.302, G-shaped	non-perforated		s023005

## Cable glands, IP54

### Sealed cable glands PG

Designed to fix and hermetically seal cables or wires inside crates, cabinets and other products.



Title	Mounting range cable diameter, mm	Length mm	Cutter diameter, mm	Product code
e.pg.stand.7	3,5-6	8	12	s018001
e.pg.stand.9	4-8		16	s018002
e.pg.stand.11	5-10		18	s018003
e.pg.stand.13,5	6-12	9	20	s018004
e.pg.stand.16	10-14	10	22	s018005
e.pg.stand.21	13-18	11	28	s018006
e.pg.stand.29	18-25		37	s018007
e.pg.stand.36	22-32	13	47	s018008
e.pg.stand.42	32-38		54	s018009
e.pg.stand.48	37-44		59	s018010
e.pg.stand.63	42-54		71	s018011

### PGL sealed long cable glands

They are supplied with a mounting nut and rubber washer.



Title	Mounting range cable diameter, mm	Length , mm	Cutter diameter, mm	Product code
e.pgl.stand.7	3-6,5	15	12	s048002
e.pgl.stand.9	4-8		15	s048003
e.pgl.stand.11	5-10		18	s048001
e.pgl.stand.13,5	6-12		20	s048004
e.pgl.stand.16	10-14		23	s048005
e.pgl.stand.21	13-18		28	s048006
e.pgl.stand.29	18-25	18	37	s048007
e.pgl.stand.36	22-32		47	s048008
e.pgl.stand.42	32-38		54	s048009
e.pgl.stand.48	37-44		60	s048010

### MG cable glands, IP68

They are supplied with a mounting nut and rubber washer.



Title	Mounting range cable diameter, mm	Length , mm	Cutter diameter, mm	Product code
e.mg.stand.12, IP68, black	4,6-7,6	8,5	12,5	s067011
e.mg.stand.16, IP68, black	6-10	15	16,5	s067012
e.mg.stand.20, IP68, black	9-14		20,5	s067013
e.mg.stand.25, IP68, black	13-18		25,5	s067014
e.mg.stand.32, IP68, black	18-25		33	s067015
e.mg.stand.40, IP68, black	24-30	20	41	s067016
e.mg.stand.50, IP68, black	30-39	22	51	s067017
e.mg.stand.63, IP68, black	40-48,5	25	64	s067018

### Sealed brass cable glands MET.PG, IP65

They are supplied with a mounting nut and rubber washer.



Title	Cable clamping range, mm	Product code
e.met.pg.stand.7	3-6,5	s051007
e.met.pg.stand.9	4-8	s051008
e.met.pg.stand.11	5-10	s051009
e.met.pg.stand.13,5	9-12	s051010
e.met.pg.stand.16	10-14	s051011
e.met.pg.stand.21	13-18	s051012



Title	Cable clamping range, mm	Product code
e.met.pg.stand.29	18-25	s051013
e.met.pg.stand.36	22-32	s051014
e.met.pg.stand.42	32-38	s051015
e.met.pg.stand.48	37-44	s051016

## Cable glands with shock absorber

A shock absorber protects the cable at the point of bending.



Title	Cable clamping range, mm	Length, mm	Product code
e.pg.protect.stand.7	3-6,5	12	s051001
e.pg.protect.stand.9	4-8	15	s051002
e.pg.protect.stand.11	5-10	18	s051003
e.pg.protect.stand.13,5	9-12	20	s051004
e.pg.protect.stand.16	10-14	22	s051005
e.pg.protect.stand.21	13-18	28	s051006

## Choke inlets

Designed for inserting cables or wires into boxes, cabinets and other products.



Title	Mounting hole diameter, mm	Product code
e.rrg.stand.20	20	s052001
e.rrg.stand.26	26	s052007
e.rrg.stand.29	29	s052005
e.rrg.stand.32	32	s052002
e.rrg.stand.36	36	s052006
e.rrg.stand.40	40	s052003

## DIN rail distribution units e.sn.pro

Designed to connect dedicated lines.

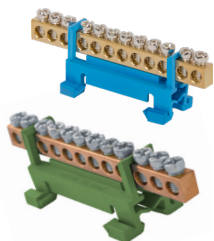


Title	Rated current, A	Inlet/outlet (cross section, mm <sup>2</sup> )	Dimensions, L × H × W	Product code
e.sn.pro.80	80	1 (6-16)/2 (2,5-16), 4 (2,5-6)	69×46×30	p0680001
e.sn.pro.125	125	1 (10-35), 1 (6-16)/6 (2,5-16)	77×46×29	p0680002
e.sn.pro.160	160	1 (10-70), 1 (6-16)/6 (2,5-16)	77×46×29	p0680003
e.sn.pro.250	250	1 (35-120)/2 (6-35), 5 (2,5-16), 4 (2,5-10)	96×50×49	p0680004
e.sn.pro.400	400	1 (95-185)/2 (6-35), 5 (2,5-16), 4 (2,5-10)	96×50×49	p0680005
e.sn.pro.500	500	1 (3×15...8×24 mm)/2 (6...35), 5 (2,5...16), 4 (2,5...10)	96×50×49	p0680006

## Busbars for distribution equipment

### Zero busbars e.bs.stand with DIN rail mounting

Designed for the electrical connection of neutral conductors in distribution equipment.



Title	Number of inputs	Product code
e.bs.stand.1.7	7	s025001
e.bs.stand.1.7.green	7	s025006
e.bs.stand.1.7.L	7	s025004
e.bs.stand.1.12	12	s025002
e.bs.stand.1.12.green	12	s025008
e.bs.stand.1.15	15	s025003
e.bs.stand.1.15.green	15	s025009

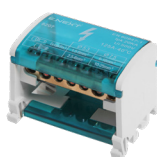
### Rails e.bsc.stand



Title	Number of inputs	Product code
e.bsc.stand.20.4	4	s055001
e.bsc.stand.20.6	5A	s055002
e.bsc.stand.20.8	8	s055003
e.bsc.stand.20.10	10	s055004
e.bsc.stand.20.12	12	s055005
e.bsc.stand.20.14	14	s055006
e.bsc.stand.20.18	18	s055007

### CBS PRO series DIN rail rails in enclosure

Designed for the connection of single conductor and wire terminated cables. Available with two or four terminals.



Title	Number of groups, mm	Number of modules of 17.5 mm each	Cross-section of connected wires, mm <sup>2</sup>		Max. current, A	Product code
			with a tip	without end		
e.cbs.pro.2.7	5×5,3; 2×7,5	3,8	1,5-6; 6-16	2,5-6; 10-25	100	p0650001
e.cbs.pro.2.11	7×5,3; 2×7,5; 2×9	5,8	1,5-6; 6-16; 10-16	2,5-6; 10-25; 10-35	125	p0650002
e.cbs.pro.2.15	11×5,3; 2×7,5; 2×9	7,5	1,5-6; 6-16; 10-16	2,5-6; 10-25; 10-35	125	p0650003
e.cbs.pro.4.7	5×5,3; 2×7,5	3,8	1,5-6; 6-16	2,5-6; 10-25	100	p0650004
e.cbs.pro.4.11	7×5,3; 2×7,5; 2×9	5,8	1,5-6; 6-16; 10-16	2,5-6; 10-25; 10-35	125	p0650005
e.cbs.pro.4.15	11×5,3; 2×7,5; 2×9	7,5	1,5-6; 6-16; 10-16	2,5-6; 10-25; 10-35	125	p0650006

### DIN busbars in insulated housing e.bsi.pro.1

Designed for the electrical connection of neutral conductors. Mounted on a 35 mm DIN rail. The rated current is 63 A.



Title	Number of contacts	Overall dimensions, mm	Brass rod size, mm	Product code
e.bsi.pro.1.7	7	49×14×31	6×9	p0650007
e.bsi.pro.1.12	12	89×14×31		p0650008
e.bsi.pro.1.15	15	109×14×31		p0650009
e.bsi.pro.1.7 green	7	49×14×31	6×9	p0650017
e.bsi.pro.1.12 green	12	89×14×31		p0650015
e.bsi.pro.1.15 green	15	109×14×31		p0650016

### Zero class busbars in insulated housing universal e.bsi.pro.2

Designed for the electrical connection of neutral conductors. Normal current is 63 A. They are installed on a 35 mm DIN rail and on a mounting panel.

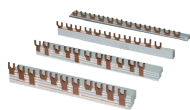


Title	Number of contacts, mm	Dimensions				Brass rod size, mm	Product code
		L1 mm	L2 mm	L3 mm	N mm		
e.bsi.pro.2.4	4	57,5	27,2	46	35	6×9	p0650010
e.bsi.pro.2.6	6	57,5	40,1	47,5			p0650011
e.bsi.pro.2.8	8	78,2	53,7	68,2			p0650012
e.bsi.pro.2.10	10	89	66,4	79			p0650013
e.bsi.pro.2.12	12	102	79,5	92			p0650014
e.bsi.pro.2.4 green	4	57,5	27,2	46			p0650018
e.bsi.pro.2.6 green	6	57,5	40,1	47,5			p0650019
e.bsi.pro.2.8 green	8	78,2	53,7	68,2			p0650020
e.bsi.pro.2.10 green	10	89	66,4	79			p0650021
e.bsi.pro.2.12 green	12	102	79,5	92			p0650022

## Junction trunking

### Forked rails

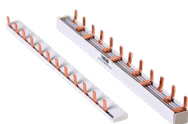
The copper busbar with bifurcated terminals is designed for fast and high the quality of combining groups of switches and other modular devices.



Title	Cross section, mm <sup>2</sup>	Number of pins	Product code
e.bc.u.stand.1.63	1×10	54	s180001
e.bc.u.stand.1.100	1×16		s180005
e.bc.u.stand.2.63	2×10	2×27	s180002
e.bc.u.stand.2.100	2×16		s180006
e.bc.u.stand.3.63	3×10	3×18	s180003
e.bc.u.stand.3.100	3×16		s180007
e.bc.u.stand.4.63	4×10	4×14	s180004
e.bc.u.stand.4.100	4×16		s180008

### Finger rails

The copper busbar with pin terminals is designed for fast and high-quality connection of groups of circuit breakers and other modular devices.



Title	Cross-section, mm <sup>2</sup>	Pin width, mm	Number of pins	Product code
e.bc.stand.1.63	1×10	4	55	s017001
e.bc.stand.1.100	1×16	6		s017004
e.bc.stand.1.12.63	1×10	4	12	s017007
e.bc.stand.2.63	2×10	4	2×27	s017002
e.bc.stand.2.100	2×16	6	2×28	s017005
e.bc.stand.3.63	3×10	4	3×18	s017003
e.bc.stand.3.100	3×16	6		s017006
e.bc.stand.3.12.63	3×10	4	3×4	s017008

### Cable ties

Cable ties are designed to bundle several wires together. They are packaged in rolls of 10 m.



Title	Cable diameter, mm	Colour	Product code
e.spiral.stand.3	1,5-10	clear	s2038008
e.spiral.stand.3.black		black	s2038010
e.spiral.stand.6	4-50	clear	s2038001
e.spiral.stand.6.black		black	s2038011
e.spiral.stand.8	6-60	clear	s2038002
e.spiral.stand.8.black		black	s2038012
e.spiral.stand.10	8-60	clear	s2038003
e.spiral.stand.10.black		black	s2038013
e.spiral.stand.12	9-65	clear	s2038004
e.spiral.stand.12.black		black	s2038014
e.spiral.stand.15	15-70	clear	s2038005
e.spiral.stand.15.black		black	s2038015
e.spiral.stand.19	15-100	clear	s2038006
e.spiral.stand.19.black		black	s2038016
e.spiral.stand.19	20-130	clear	s2038007
e.spiral.stand.19.black		black	s2038017
e.spiral.stand.19	26-150	clear	s2038009
e.spiral.stand.19.black		black	s2038018



### Markers cables

Designed for cable marking.



Title	Connecting wire, mm <sup>2</sup>	Symbol	Product code
e.marker.stand.3.6.3, 3-6 mm <sup>2</sup> , "3", 350 pcs.	3-6	3	s2037076
e.marker.stand.3.6.4, 3-6 mm <sup>2</sup> , "4", 350 pcs.		4	s2037077
e.marker.stand.3.6.5, 3-6 mm <sup>2</sup> , "5", 350 pcs.		5	s2037078
e.marker.stand.3.6.6, 3-6 mm <sup>2</sup> , "6", 350 pcs.		6	s2037079
e.marker.stand.3.6.7, 3-6 mm <sup>2</sup> , "7", 350 pcs.		7	s2037080
e.marker.stand.3.6.8, 3-6 mm <sup>2</sup> , "8", 350 pcs.		8	s2037081
e.marker.stand.3.6.9, 3-6 mm <sup>2</sup> , "9", 350 pcs.		9	s2037082
e.marker.stand.3.6.A, 3-6 mm <sup>2</sup> , "A", 350 pcs.		A	s2037083
e.marker.stand.3.6.B, 3-6 mm <sup>2</sup> , "B", 350 pcs.		B	s2037084
e.marker.stand.3.6.C, 3-6 mm <sup>2</sup> , "C", 350 pcs.		C	s2037085
e.marker.stand.3.6.N, 3-6 mm <sup>2</sup> , "N", 350 pcs.		N	s2037086

### Clamps (triptychs)

Designed for bundling and fixing cables, wires, etc.



Title	Dimensions (length × width), mm	Colour	Product code
e.ct.stand.60.3.white	60×3	white	s015001
e.ct.stand.60.3.black		black	s015002
e.ct.stand.60.3.red		red	s015003
e.ct.stand.60.3.yellow		yellow	s015010
e.ct.stand.60.3.green		green	s015011
e.ct.stand.60.3.blue	60×3	blue	s015012
e.ct.stand.100.3.white	100×3	white	s015004
e.ct.stand.100.3.black		black	s015119
e.ct.stand.150.3.white	150×3	white	s015005
e.ct.stand.150.3.green		green	s015001
e.ct.stand.150.4.white	150×4	white	s015019
e.ct.stand.150.4.black		black	s015020
e.ct.stand.150.4.red		red	s015021
e.ct.stand.150.4.yellow		yellow	s015022
e.ct.stand.150.4.green		green	s015023
e.ct.stand.150.4.blue		blue	s015024
e.ct.stand.200.3.white	200×3	white	s015013
e.ct.stand.200.3.black		black	s015014
e.ct.stand.200.3.red		red	s015015
e.ct.stand.200.3.yellow		yellow	s015016
e.ct.stand.200.3.green		green	s015017
e.ct.stand.200.3.blue		blue	s015018
e.ct.stand.200.4.white	200×4	white	s015006
e.ct.stand.200.4.black		black	s015102
e.ct.stand.200.5.white	200×5	white	s015037
e.ct.stand.200.5.black		black	s015038
e.ct.stand.200.5.red		red	s015039
e.ct.stand.200.5.yellow		yellow	s015040
e.ct.stand.200.5.green		green	s015041
e.ct.stand.200.5.blue		blue	s015042
e.ct.stand.280.4.white	280×4	white	s015025
e.ct.stand.280.4.black		black	s015026
e.ct.stand.280.4.red		red	s015027
e.ct.stand.280.4.yellow		yellow	s015028
e.ct.stand.280.4.green		green	s015029
e.ct.stand.280.4.blue		blue	s015030
e.ct.stand.300.5.white	300×5	white	s015043
e.ct.stand.300.5.black		black	s015044
e.ct.stand.300.5.red		red	s015045
e.ct.stand.300.5.yellow		yellow	s015046
e.ct.stand.300.5.green		green	s015047
e.ct.stand.300.5.blue		blue	s015048

Title	Dimensions (length × width), mm	Colour	Product code
e.ct.stand.300.8.white	300×8	white	s015055
e.ct.stand.300.8.black		black	s015056
e.ct.stand.300.8.red		red	s015057
e.ct.stand.300.8.yellow		yellow	s015058
e.ct.stand.300.8.green		green	s015059
e.ct.stand.300.8.blue		blue	s015060
e.ct.stand.370.4.white	370×4	white	s015031
e.ct.stand.370.4.black		black	s015032
e.ct.stand.370.4.red		red	s015033
e.ct.stand.370.4.yellow		yellow	s015034
e.ct.stand.370.4.green		green	s015035
e.ct.stand.370.4.blue		blue	s015036
e.ct.stand.400.5.white	400×5	white	s015008
e.ct.stand.400.5.black		black	s015111
e.ct.stand.400.8.white	400×8	white	s015061
e.ct.stand.400.8.black		black	s015062
e.ct.stand.400.8.red		red	s015063
e.ct.stand.400.8.yellow		yellow	s015064
e.ct.stand.400.8.green		green	s015065
e.ct.stand.400.8.blue		blue	s015066
e.ct.stand.500.8.white	500×5	white	s015009
e.ct.stand.500.8.black		black	s015118
e.ct.stand.760.9.black	760×9	black	s015068
e.ct.stand.760.9.white		white	s015067
e.ct.stand.1020.9.black	1020×9	black	s015074
e.ct.stand.1020.9.white		white	s015073

## Insulated metal terminals cable terminals

Designed for tying and fixing pipes, cables, etc.

Title	Dimensions (length × width), mm	Product code
e.steel.tie.pa.5.150	5×150	s019091
e.steel.tie.pa.5.230	5×230	s019092
e.steel.tie.pa.5.330	5×330	s019093
e.steel.tie.pa.10.450	10×450	s019094
e.steel.tie.pa.10.600	10×600	s019095
e.steel.tie.pa.10.900	10×900	s019096

## Cable clamps with ring

Designed to bundle cables and fix them to surfaces.

Title	Product code
e.rct.stand.100.3.5	s170004
e.rtc.stand.110.3.5	s170001
e.rtc.stand.150.3.5	s170002
e.rtc.stand.200.4.3	s170003

### Terminals cable terminals CU solder fittings (copper)



Title	Quantity per pack, pcs.	Cross-sectional area, mm <sup>2</sup>	Screw hole diameter, mm	Product code
e.end.stand.sc.1,5	50, 100	1,5	4,2	s040012
e.end.stand.sc.2,5	100	2,5	5,2	s040013
e.end.stand.sc.4		4		s040014
e.end.stand.sc.6		6	6,2	s040015
e.end.stand.sc.10		10		s040001
e.end.stand.sc.16		16		s040002
e.end.stand.sc.25	50, 100	25	8,2	s040003
e.end.stand.sc.35		35		s040004
e.end.stand.sc.50		50	10,5	s040005
e.end.stand.sc.70	50	70	12,5	s040006
e.end.stand.sc.95		95		s040007
e.end.stand.sc.120	10, 50	120		
e.end.stand.sc.150	10	150	16,5	s040009
e.end.stand.sc.185	5	185		s040010
e.end.stand.sc.240		240		s040011

### C cable soldering terminals (copper + tin-bismuth plating)



Title	Length, mm	Cross-sectional area, mm <sup>2</sup>	Screw hole diameter, mm	Product code
e.end.stand.p.1.5	18	1,5	4,2	s19012
e.end.stand.p.2,5	19	2,5		s19013
e.end.stand.p.4	20	4	5,2	s19014
e.end.stand.c.6, D5.2	23	6		s19016
e.end.stand.c.6, D8.2			8,2	s19017
e.end.stand.p.6			6,2	s19015
e.end.stand.p.10, D8.2	24,5	10	8,2	s19018
e.end.stand.p.10				s19001
e.end.stand.p.16	29,5	16	6,2	s19002
e.end.stand.p.16, D6.2				s19019
e.end.stand.p.16, D10.5			10,5	25
e.end.stand.p.25, D10.5	s19021			
e.end.stand.p.25	32,5	35	8,2	s19003
e.end.stand.p.35	37,5			s19004
e.end.stand.p.35, D10.5		44,5	50	10,5
e.end.stand.p.50	s19005			
e.end.stand.p.50, D8.2	48	70	8,2	s19023
e.end.stand.p.70, D8.2				s19024
e.end.stand.p.70, 10.5			10,5	12,5
e.end.stand.p.70	s19006			
e.end.stand.p.95	54	95	16,5	s19007
e.end.stand.p.120	61	120		s19008
e.end.stand.p.150	68	150	16,5	s19009
e.end.stand.p.185	76	185		s19010
e.end.stand.p.240	88,5	240		s19011

### Crimp-on terminals A (aluminium)

They are designed for the final crimping of wires and cables with aluminium conductors.



Title	Quantity per pack, pcs.	Cross-sectional area, mm <sup>2</sup>	Screw hole diameter, mm	Product code
e.end.stand.a.10	20	10	8,5	s020001
e.end.stand.a.16		16		s020002
e.end.stand.a.25		25		s020003
e.end.stand.a.35	10	35	10,5	s020004
e.end.stand.a.50		50		s020005
e.end.stand.a.70		12,5	70	12,5
e.end.stand.a.95	95		s020007	



Title	Quantity per pack, pcs.	Cross-sectional area, mm <sup>2</sup>	Screw hole diameter, mm	Product code
e.end.stand.a.120	10	120	14,5	s020008
e.end.stand.a.150		150		s020009
e.end.stand.a.185	4	185	16,5	s020010
e.end.stand.a.240		240		s020011

### DT crimp cable lugs (copper)

They are designed for the final crimping of wires and cables with copper conductors.



Title	Quantity per pack, pcs.	Cross-sectional area, mm <sup>2</sup>	Screw hole diameter, mm	Product code
e.end.stand.dt.10	20	10	8,5	s039001
e.end.stand.dt.16		16		s039002
e.end.stand.dt.25		25		s039003
e.end.stand.dt.35	10, 20	35	10,5	s039004
e.end.stand.dt.50		50		s039005
e.end.stand.dt.70	10	70	12,5	s039006
e.end.stand.dt.95		95		s039007
e.end.stand.dt.120		120		14,5
e.end.stand.dt.150	150	s039009		
e.end.stand.dt.185	5	185	16,5	s039010
e.end.stand.dt.240	4	240		s039011

### DT.b crimp cable ferrules (copper)



Title	Quantity per pack, pcs.	Cross-sectional area, mm <sup>2</sup>	Screw hole diameter, mm	Product code
e.end.stand.dt.b10	20	10	8	s060001
e.end.stand.dt.b16		16		s060002
e.end.stand.dt.b25		25		s060003
e.end.stand.dt.b35	10	35	10	s060004
e.end.stand.dt.b50		50		s060005
e.end.stand.dt.b70	10	70	12	s060006
e.end.stand.dt.b95		95		s060007
e.end.stand.dt.b120		120		14
e.end.stand.dt.b150	150	s060009		
e.end.stand.dt.b185	5	185	16	s060010
e.end.stand.dt.b240		4		240

### Zinc-plated tubular crimp terminals series Z e.stand

Designed for final crimping of wires and cables with aluminium conductors and copper lamellae.



Title	Quantity per pack, pcs.	Cross-sectional area, mm <sup>2</sup>	Screw hole diameter, mm	Product code
e.end.stand.z.10	20	10	8,5	s021001
e.end.stand.z.16		16		s021002
e.end.stand.z.25		25		s021003
e.end.stand.z.35	10, 50	35	10,5	s021004
e.end.stand.z.50		50		s021005
e.end.stand.z.70	10	70	12,5	s021006
e.end.stand.z.95		95		s021007
e.end.stand.z.120		120		14,5
e.end.stand.z.150	150	s021009		
e.end.stand.z.185	5	185	16,5	s021010
e.end.stand.z.240	4	240		s021011

### CA.DTL.1 (aluminium + copper) crimping cable ferrules

Designed for final crimping of wires and cables with aluminium conductors and connection to copper terminals of electrical appliances.



Title	Quantity per pack, pcs.	Cross-sectional area, mm <sup>2</sup>	Screw hole diameter, mm	Product code
e.end.stand.ca.dtl.1.10	20	10	8,5	s038001
e.end.stand.ca.dtl.1.16		16		s038002
e.end.stand.ca.dtl.1.25		25		s038003
e.end.stand.ca.dtl.1.35		35	10,5	s038004
e.end.stand.ca.dtl.1.50		50		s038005
e.end.stand.ca.dtl.1.70	10	70	12,5	s038006
e.end.stand.ca.dtl.1.95	5	95		s038007
e.end.stand.ca.dtl.1.120		120	14,5	s038008
e.end.stand.ca.dtl.1.150		150		s038009
e.end.stand.ca.dtl.1.185		185		16,5
e.end.stand.ca.dtl.1.240		4	240	

### Tin-plated cable lugs for crimping in the JG e.stand series



Title	Connection section wire, mm <sup>2</sup>	Length, mm	Diameter, mm	Product code
e.end.stand.jg.6, D6.2	6	31,6	6,2	s077001
e.end.stand.jg.10, D6.2	10	39		s077002
e.end.stand.jg.16, D8.2	16	40,5	8,2	s077003
e.end.stand.jg.25, D8.2	25	44,3		s077004
e.end.stand.jg.35, D8.2	35	47,5		s077005
e.end.stand.jg.50, D10.2	50	53	10,2	s077006
e.end.stand.jg.70, D12.4	70	61	12,4	s077007
e.end.stand.jg.95, D12.4	95	63		s077008
e.end.stand.jg.120, D14.5	120	71,5	14,5	s077009
e.end.stand.jg.150, D14.5	150	77		s077010
e.end.stand.jg.185, D16.5	185	84		16,5
e.end.stand.jg.240, D16.5	240	90,5	s077012	

### Cable terminations, non-insulated EN

Designed for final crimping of copper and aluminium wire conductors.



Title	Quantity per pack, pcs.	Connection cable, mm <sup>2</sup>	Product code	
e.terminal.stand.en.0.5.6	100	0,5	s4038000	
e.terminal.stand.en.0.75.6		0,75	s4038001	
e.terminal.stand.en.1.6		1	1	s4038002
e.terminal.stand.en.1.10				s4038003
e.terminal.stand.en.1.5.7		1,5	1,5	s4038004
e.terminal.stand.en.1.5.10				s4038005
e.terminal.stand.en.2.5.7		2,5	2,5	s4038006
e.terminal.stand.en.2.5.12				s4038007
e.terminal.stand.en.4.9		4	4	s4038008
e.terminal.stand.en.4.12				s4038009
e.terminal.stand.en.6.10				s4038010
e.terminal.stand.en.6.12		6	6	s4038011
e.terminal.stand.en.10.12				s4038012
e.terminal.stand.en.10.18		10	10	s4038013
e.terminal.stand.en.16.12				s4038014
e.terminal.stand.en.16.18		16	16	s4038015
e.terminal.stand.en.25.16				s4038016
e.terminal.stand.en.25.22		25	25	s4038017
e.terminal.stand.en.35.16				s4038018
e.terminal.stand.en.35.22		35	35	s4038019
e.terminal.stand.en.50.25				s4038020

## Tin-plated cable bushings for GTY crimping

Designed for crimping conductors, copper wires and cables. Material: copper with protective tin-bismuth coating.



Title	Quantity per pack, pcs.	Cross-sectional area, mm <sup>2</sup>	Product code
e.tube.stand.gty.1,5	100	1,5	s041001
e.tube.stand.gty.2,5		2,5	s041002
e.tube.stand.gty.4		4	s041003
e.tube.stand.gty.6		6	s041004
e.tube.stand.gty.10		10	s041005
e.tube.stand.gty.16		16	s041006
e.tube.stand.gty.25		25	s041007
e.tube.stand.gty.35		35	s041008
e.tube.stand.gty.50		50	50
e.tube.stand.gty.70	50	70	s041010
e.tube.stand.gty.95		95	s041011
e.tube.stand.gty.120		120	s041012
e.tube.stand.gty.150		150	s041013
e.tube.stand.gty.185	20	185	s041014
e.tube.stand.gty.240	10	240	s041015

## Aluminium cable bushings for GL crimping

Designed for crimping conductors, aluminium wires and cables.



Title	Quantity per pack, pcs.	Cross-sectional area, mm <sup>2</sup>	Product code
e.tube.stand.gl.16	20	16	s4042000
e.tube.stand.gl.25		25	s4042001
e.tube.stand.gl.35		35	s4042002
e.tube.stand.gl.50		50	s4042003
e.tube.stand.gl.70	10	70	s4042004
e.tube.stand.gl.95	4, 10	95	s4042005
e.tube.stand.gl.120	10	120	s4042006
e.tube.stand.gl.150		150	s4042007
e.tube.stand.gl.185		185	s4042008
e.tube.stand.gl.240		240	s4042009

### Insulated cable lugs

They are designed for the final crimping of multi-conductor copper wires.

### Insulated RV cable lugs



Title	Quantity in the package, pcs.	Cross-section cable, mm <sup>2</sup>	Colour	Product code			
e.terminal.stand.rv1.1,25.4.black	100	0,5-1,5	black	s1036003			
e.terminal.stand.rv1.1,25.4.blue			blue	s1036004			
e.terminal.stand.rv1.1,25.4.red			red	s1036001			
e.terminal.stand.rv1.1,25.4.yellow			yellow	s1036002			
e.terminal.stand.rv1.1,25.6.black			black	s1036010			
e.terminal.stand.rv1.1,25.6.blue			blue	s1036011			
e.terminal.stand.rv1.1,25.6.red			red	s1036008			
e.terminal.stand.rv1.1,25.6.yellow			yellow	s1036009			
e.terminal.stand.rv1.1,25.8.black			black	s1036017			
e.terminal.stand.rv1.1,25.8.blue			blue	s1036018			
e.terminal.stand.rv1.1,25.8.red			red	s1036015			
e.terminal.stand.rv1.1,25.8.yellow			yellow	s1036016			
e.terminal.stand.rv2.2.5.black		0,5-1,5	1,5-2,5	black	s1036024		
e.terminal.stand.rv2.2.5.blue				blue	s1036025		
e.terminal.stand.rv2.2.5.red				red	s1036022		
e.terminal.stand.rv2.2.5.yellow				yellow	s1036023		
e.terminal.stand.rv2.2.6.black			black	s1036031			
e.terminal.stand.rv2.2.6.blue			blue	s1036032			
e.terminal.stand.rv2.2.6.green			green	s1036033			
e.terminal.stand.rv2.2.6.red			red	s1036029			
e.terminal.stand.rv2.2.6.yellow		yellow	s1036030				
e.terminal.stand.rv2.2.8.black		1,5-2,5	4-6	black	s1036038		
e.terminal.stand.rv2.2.8.blue				blue	s1036039		
e.terminal.stand.rv2.2.8.red				red	s1036036		
e.terminal.stand.rv2.2.10.red				red	s1036067		
e.terminal.stand.rv2.2.8.yellow				yellow	s1036037		
e.terminal.stand.rv3.3,5.5.black				100	2,5-4	black	s1036045
e.terminal.stand.rv3.3,5.5.blue						blue	s1036046
e.terminal.stand.rv3.3,5.5.red						red	s1036043
e.terminal.stand.rv3.3,5.5.yellow		yellow	s1036044				
e.terminal.stand.rv3.3,5.6.black		black	s1036052				
e.terminal.stand.rv3.3,5.6.blue		blue	s1036053				
e.terminal.stand.rv3.3,5.6.red	red	s1036050					
e.terminal.stand.rv3.3,5.6.yellow	yellow	s1036051					
e.terminal.stand.RV5.5.6.yellow	yellow	s036004					

### Insulated cable lugs



Title	Quantity in pack, pcs.	Conductor cross-section, mm <sup>2</sup>	Colour	Product code	
e.terminal.stand.e0306.red	100	0,25	red	s3036059	
e.terminal.stand.e0508.black			0,5	black	s3036003
e.terminal.stand.e0508.blue				blue	s3036004
e.terminal.stand.e0508.green				green	s3036005
e.terminal.stand.e0508.red				red	s3036001
e.terminal.stand.e7508.black		0,75		black	s3036010
e.terminal.stand.e7508.blue			blue	s3036011	
e.terminal.stand.e7508.green			green	s036006	
e.terminal.stand.e7508.red			red	s3036008	
e.terminal.stand.e7508.yellow			yellow	s3036009	
e.terminal.stand.e1008.black		1	1	black	s3036017
e.terminal.stand.e1008.blue				blue	s3036018
e.terminal.stand.e1008.green				green	s3036019
e.terminal.stand.e1008.red				red	s3036015
e.terminal.stand.e1008.yellow				yellow	s3036016
e.terminal.stand.e1012.green				green	s3036050



Title	Quantity in pack, pcs.	Conductor cross-section, mm <sup>2</sup>	Colour	Product code
e.terminal.stand.e1508.black	100	1,5	black	s3036024
e.terminal.stand.e1508.blue			blue	s3036025
e.terminal.stand.e1508.green			green	s3036026
e.terminal.stand.e1508.red			red	s3036022
e.terminal.stand.e2508.black		2,5	black	s3036031
e.terminal.stand.e2508.blue			blue	s3036032
e.terminal.stand.e2518.blue			blue	s3036062
e.terminal.stand.e2508.green			green	s3036033
e.terminal.stand.e2508.yellow		4	yellow	s3036030
e.terminal.stand.e4009.green			green	s3036040
e.terminal.stand.e4009.orange			orange	s3036042
e.terminal.stand.e4009.red			red	s3036036
e.terminal.stand.e4009.yellow		yellow	s3036037	
e.terminal.stand.e4018.black		6	black	s3036063
e.terminal.stand.e6012.blue			blue	s3036053
e.terminal.stand.e6012.red			red	s3036052
e.terminal.stand.e6018.red		10	red	s3036064
e.terminal.stand.e10-12.black			black	s3036045
e.terminal.stand.e10-12.brown			brown	s3036051
e.terminal.stand.e10-12.green			green	s3036047
e.terminal.stand.e10-12.grey			grey	s3036048
e.terminal.stand.e10-12.orange			orange	s3036049
e.terminal.stand.e10-12.red			red	s3036043
e.terminal.stand.e10-12.yellow			yellow	s3036044
e.terminal.stand.e10-18.green			green	s3036065
e.terminal.stand.e16-12.green			16	green
e.terminal.stand.e16-18.yellow		yellow		s3036066
e.terminal.stand.e25-16.green		25	green	s3036055
e.terminal.stand.e25-22.blue			blue	s3036067
e.terminal.stand.e35-16.grey		35	grey	s3036056
e.terminal.stand.e50-20.green		50	green	s3036057

## Insulated cable lugs for 2 TE conductors

They are designed for the final crimping of multi-conductor copper wires.



Title	Connection wires (number, pcs × cross-section, mm <sup>2</sup> )	Shank colour	Product code
e.terminal.stand.te.2.0.5.white	2×0,5	white	s4037000
e.terminal.stand.te.2.0.75.orange	2×0,75	orange	s4037001
e.terminal.stand.te.2.0.75.blue		blue	s4037002
e.terminal.stand.te.2.1.white	2×1	white	s4037003
e.terminal.stand.te.2.1.red		red	s4037004
e.terminal.stand.te.2.1.5.yellow	2×1,5	yellow	s4037005
e.terminal.stand.te.2.1.5.black		black	s4037006
e.terminal.stand.te.2.2.5.red	2×2,5	red	s4037007
e.terminal.stand.te.2.2.5.grey		grey	s4037008
e.terminal.stand.te.2.4.orange	2×4	orange	s4037009
e.terminal.stand.te.2.6.black	2×6	black	s4037010
e.terminal.stand.te.2.10.brown	2×10	brown	s4037011
e.terminal.stand.te.2.16.grey	2×16	grey	s4037012



### FN insulated cable joints

Designed for detachable cable connection with cable crimping.



Title	Connecting wire, mm <sup>2</sup>	Shank colour	Type	Product code
e.terminal.stand.fdfn1.25.250.red (fn.f.0,5,1,5)	0,5-1,5	red	"Mum"	s4039000
e.terminal.stand.fdfn2.250.blue (fn.f.1,5,2,5)	1,5-2,5	blue		s4039001
e.terminal.stand.fdfn5.5.250.yellow (fn.f.4.6)	4-6	yellow		s4039002
e.terminal.stand.mdfn1.25.250.red (fn.m.0,5,1,5)	0,5-1,5	red	"Dad"	s4039003
e.terminal.stand.mdfn2.250.blue (fn.m.1,5,2,5)	1,5-2,5	blue		s4039004
e.terminal.stand.mdfn5.5.250.yellow (fn.m.4.6)	4-6	yellow		s4039005

### Insulated clevis lugs



Title	Quantity in the package, pcs.	AWG	Cross-section cable, mm <sup>2</sup>	Colour	Product code			
e.terminal.stand.sv.1,25.3,2.black	100	22-16	0,5-1,5	black	s2036003			
e.terminal.stand.sv.1,25.3,2.blue				blue	s2036004			
e.terminal.stand.sv.1,25.3,2.red				red	s2036001			
e.terminal.stand.sv.1,25.3,2.yellow				yellow	s2036002			
e.terminal.stand.sv.1,25.5.black				black	s2036010			
e.terminal.stand.sv.1,25.5.blue				blue	s2036011			
e.terminal.stand.sv.1,25.5.red				red	s2036008			
e.terminal.stand.sv.1,25.5.yellow				yellow	s2036009			
e.terminal.stand.sv.2.3,2.black				100	16-14	1,5-2,5	black	s2036017
e.terminal.stand.sv.2.3,2.blue	blue	s2036018						
e.terminal.stand.sv.2.3,2.red	red	s2036015						
e.terminal.stand.sv.2.3,2.yellow	yellow	s2036016						
e.terminal.stand.sv.2.5.black	black	s2036024						
e.terminal.stand.sv.2.5.blue	blue	s2036025						
e.terminal.stand.sv.2.5.red	red	s2036022						
e.terminal.stand.sv.2.5.yellow	yellow	s2036023						
e.terminal.stand.sv.3,5,4.black	100	14-12	2,5-4				black	s2036031
e.terminal.stand.sv.3,5,4.blue				blue	s2036032			
e.terminal.stand.sv.3,5,4.yellow				yellow	s2036030			
e.terminal.stand.sv.5,5,6.black				100	12-10	4-6	black	s2036045
e.terminal.stand.sv.5,5,6.blue							blue	s2036046
e.terminal.stand.sv.5,5,6.red							red	s2036043
e.terminal.stand.sv.5,5,6.yellow							yellow	s2036044
e.terminal.stand.sv.5,5,8.black							black	s2036052
e.terminal.stand.sv.5,5,8.blue							blue	s2036053
e.terminal.stand.sv.5,5,8.green	green	s2036054						
e.terminal.stand.sv.5,5,8.red	red	s2036050						
e.terminal.stand.sv.5,5,8.yellow	yellow	s2036051						
e.terminal.stand.sv.5.4.black	100	12-10	4-6	black	s2036038			
e.terminal.stand.sv.5.4.blue				blue	s2036039			
e.terminal.stand.sv.5.4.red				red	s2036036			
e.terminal.stand.sv.5.4.yellow				yellow	s2036037			

## Insulated cable joints MPD and FRD

They are designed for the final crimping of twisted copper wires.



Title	Connecting wire, mm <sup>2</sup>	Shank colour	Type	Product code
e.terminal.stand.mpd1.25.156.red	0,5-1,5	red	"Dad"	s4040000
e.terminal.stand.mpd2.156.blue	1,5-2,5	blue		s4040001
e.terminal.stand.mpd5.5.195.yellow	4-6	yellow		s4040002
e.terminal.stand.frd1.25.156.red	0,5-1,5	red	"Mum"	s4040003
e.terminal.stand.frd2.156.blue	1,5-2,5	blue		s4040004
e.terminal.stand.frd5.5.195.yellow	4-6	yellow		s4040005

## Insulated MDD and FDD cable joints

They are designed for the final crimping of twisted copper wires.



Title	Connection cable, mm <sup>2</sup>	Type	Product code
e.terminal.stand.mdd1.25.110.8	0,5-1,5	"Dad"	s4041000
e.terminal.stand.mdd1.25.250			s4041001
e.terminal.stand.mdd2.187.8	1,5-2,5		s4041002
e.terminal.stand.mdd2.250			s4041003
e.terminal.stand.mdd5.5.250	4-6		s4041004
e.terminal.stand.fdd1.25.110.8	0,5-1,5		"Mum"
e.terminal.stand.fdd1.25.250		s4041006	
e.terminal.stand.fdd2.187.8	1,5-2,5	s4041007	
e.terminal.stand.fdd2.250		s4041008	
e.terminal.stand.fdd5.5.250	4-6	s4041009	

## Insulated connecting sleeves BV and RVT

Designed for crimping cable connections.



Title	Quantity in pack, pcs.	AWG	Conductor cross section, mm <sup>2</sup>	Product code
e.splice.stand.bv.1.blue	100	22-16	0,5-1,5	s4036004
e.splice.stand.bv.1.red				s4036001
e.splice.stand.bv.1.yellow				s4036002
e.splice.stand.bv.2.blue		16-14	1,5-2,5	s4036011
e.splice.stand.bv.2.red				s4036008
e.splice.stand.bv.2.yellow				s4036009
e.splice.stand.bv.5.black		12-10	4-6	s4036017
e.splice.stand.bv.5.blue				s4036018
e.splice.stand.bv.5.red				s4036015
e.splice.stand.bv.5.yellow	s4036016			
e.splice.stand.rvt.1.red	100	22-16	0,5-1,5	s4036022
e.splice.stand.rvt.1.yellow				s4036023
e.splice.stand.rvt.2.red		16-14	1,5-2,5	s4036029
e.splice.stand.rvt.2.yellow				s4036030
e.splice.stand.rvt.5.blue				s4036039
e.splice.stand.rvt.5.red		12-10	4-6	s4036036
e.splice.stand.rvt.5.yellow				s4036037

## Tape insulation tape

### PVC insulating tape from the e.standard range

Designed for electrical insulation, marking wires, cables.



Title	Length, m	Colour	Product code
e.tape.stand.10.black	10	black	s022006
e.tape.stand.10.blue		blue	s022005
e.tape.stand.10.green		green	s022003
e.tape.stand.10.red		red	s022001
e.tape.stand.10.white		white	s022004
e.tape.stand.10.yellow		yellow	s022002
e.tape.stand.10.yellow-green		yellow-green	s022007
e.tape.stand.20.black		20	black
e.tape.stand.20.blue	blue		s022015
e.tape.stand.20.green	green		s022013
e.tape.stand.20.red	red		s022011
e.tape.stand.20.white	white		s022014
e.tape.stand.20.yellow	yellow		s022012
e.tape.stand.20.yellow-green	yellow-green		s022017

### Self-extinguishing PVC insulating tape from the e.professional range

Designed for electrical insulation, marking wires, cables.



Title	Length, m	Colour	Product code
e.tape.pro.10.black	10	black	p0450006
e.tape.pro.10.blue		blue	p0450005
e.tape.pro.10.green		green	p0450003
e.tape.pro.10.red		red	p0450001
e.tape.pro.10.white		white	p0450004
e.tape.pro.10.yellow		yellow	p0450002
e.tape.pro.10.yellow-green		yellow-green	p0450007
e.tape.pro.20.black		20	black
e.tape.pro.20.blue	blue		p0450012
e.tape.pro.20.green	green		p0450010
e.tape.pro.20.red	red		p0450008
e.tape.pro.20.white	white		p0450011
e.tape.pro.20.yellow	yellow		p0450009
e.tape.pro.20.yellow-green	yellow-green		p0450014

## Mounting boxes and Ukrainian e.standard series junction boxes

They are used to connect and branch wires and cables in electrical installations.

Title	Installation	Degree of protection	Product code
e.db.stand.205.d70	gypsum board cardboard	IP20	s027016
e.db.stand.206.d80			s027006
e.db.stand.211.d100			s027013
e.db.stand.700.70.70	external	IP55	s027017
e.db.stand.900.90.90			s027022
e.db.stand.85.85.45	brick/concrete	IP20	s027024
e.db.stand.100.100.45			s027026
e.db.stand.130.130.55			s027027
e.db.stand.160.160.65			s027028
e.db.stand.200.200.70			s027029
e.db.stand.85.85.45.gk			s027030
e.db.stand.85.85.45.gk			s0270301
e.db.stand.100.100.45.gk	s027031		
e.db.stand.100.100.45.gk	s0270311		
e.db.stand.130.130.55.gk	s027032		
e.db.stand.160.160.65.gk	s027033		
e.db.stand.200.200.70.gk	s027034		
e.db.stand.r1.d80k with terminal strip d80 mm	external	IP44	s027035
e.db.stand.r2.85×85×35K z with terminal strip			s027036
e.db.stand.r4.85×85×35K z with terminal strip			s027037

## Junction boxes series e.professional Round junction boxes, IP55

They are used to connect and branch wires and cables in electrical installations.

Title	Number of inputs	Inlet diameter, mm	Product code
e.db.pro.d50.50u	4	50	p016107
e.db.pro.d80.50		80	p016001

## Waterproof mounting boxes IP68

Title	Installation	Degree protection	Product code
e.wdb.cnp723.3t	external	IP68	s071001
e.wdb.cnp723.4t.b			s071002
e.wdb.cnp725.3t			s071003
e.wdb.cnp725.4t.b			s071004

## Rectangular junction boxes, IP55

They are used to connect and branch wires and cables in electrical installations.

Title	Number of inputs	Inlet diameter, mm	Product code
e.db.pro.85.85.50u	7	27	p016102
e.db.pro.100.100.50u			p016103
e.db.pro.150.110.70u	p016108		
e.db.pro.150.150.70u	p016104		
e.db.pro.200.100.70	8	38	p016005
e.db.pro.200.155.80	10		p016009
e.db.pro.200.200.80	12	6×27, 6×38	p016012
e.db.pro.255.200.80			p016006
e.db.pro.300.250.120			p016010
e.db.pro.400.350.120	16	8×27, 8×38	p016011

## Junction boxes series e.industrial

### Rectangular junction boxes without terminal blocks, IP54

They are used to connect and branch wires and cables in electrical installations.



Title	Number, pcs. × Inlet diameter, mm	Product code
e.industrial.db.902	7×M20	i0350002
e.industrial.db.904	7×M25	i0350004
e.industrial.db.906	10×M25/M32	i0350006
e.industrial.db.910	10×M32/M40	i0350008
e.industrial.db.925		i0350010

### Junction boxes with terminal strip, IP54

They are used to connect and branch wires and cables in electrical installations.



Title	Terminal block	Number, pcs. × Inlet diameter, mm	Product code
e.industrial.db.902.k	6 A, 5 × 2,5 mm <sup>2</sup>	7×M20	i0350001
e.industrial.db.904.k	10 A, 5×4 mm <sup>2</sup>	7×M25	i0350003
e.industrial.db.906.k	30 A, 5×6 mm <sup>2</sup>	10×M25/M32	i0350005
e.industrial.db.910.k	60 A, 5×10 mm <sup>2</sup>	10×M32/M40	i0350007
e.industrial.db.925.k	100 A, 5×25 mm <sup>2</sup>		i0350009

## CABLE LAYING SYSTEMS

### Piercing terminals for switchgear



Title	Branch cross-section, mm <sup>2</sup>	Cross-section of main cable, mm	Product code
Branch terminal Y731	1,5-10	4-10	y-731
Branch terminal Y733		16-35	y-733
Branch terminal Y734	16-25		

### Bushes connecting sleeves

Designed for connecting power system cables by crimping.



Title	Conductor cross section, mm <sup>2</sup>	Pressure matrix	Length, mm	Product code
e.tube.pro.ins.a.16.16	16	E140	75	p048004
e.tube.pro.ins.a.25.25	25			p048003
e.tube.pro.ins.a.35.35	35	E173	105	p048002
e.tube.pro.ins.a.50.35	50, 35			p048008
e.tube.pro.ins.a.50.50	50			p048001
e.tube.pro.ins.a.70.50	70, 50			p048009
e.tube.pro.ins.a.70.70	70			p048005
e.tube.pro.ins.a.95.95	95	E215	135	p048006
e.tube.pro.ins.a.120.120	120			p048007

### Insulated handles

Designed for hermetic termination of IC cable by crimping.



Title	Conductor cross section, mm <sup>2</sup>	Pressure matrix	Bore diameter, mm	Product code
e.end.pro.cptau.16	16	E140	10,5	p0630005
e.end.pro.cptau.25	25			p0630006
e.end.pro.cptau.35	35	E173	12,8	p0630007
e.end.pro.cptau.50	50			p0630001
e.end.pro.cptau.70	70			p0630002
e.end.pro.cptau.95	95			p0630003
e.end.pro.cptau.120	120	E215		p0630004
e.end.pro.cptau.150	150			p0630008

### Plastic cable ducts (2 m long) and accessories

They protect the cabling from mechanical damage and ensure an aesthetically pleasing installation.



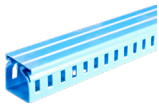
Title	Width, mm	Height, mm	Colour	Product code
e.trunking.stand.12.12	12	12	white	s033001
e.trunking.stand.15.10	15	10		s033002
e.trunking.stand.16.16	16	16		s033003
e.trunking.stand.20.10	20	10		s033004
e.trunking.stand.25.16	25	16		s033005
e.trunking.stand.25.25		25		s033016
e.trunking.stand.40.16	40	16		s033006
e.trunking.stand.40.25		25		s033007
e.trunking.stand.40.40		40		s033008
e.trunking.stand.60.40		40		s033009
e.trunking.stand.60.60	60	60		s033018
e.trunking.stand.80.60	80	60		s033010
e.trunking.stand.100.40	100	40		s033011
e.trunking.stand.100.60		60		s033012

### Perforated cable ducts (length 2 m)

Perforated cable ducts are made from non-flammable PVC. They are designed to protect cables and wires from mechanical damage during the assembly of switchgear equipment. They are used to distribute wires and cables in switchgear.

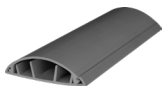


Title	Width, mm	Height, mm	Colour	Product code
e.trunking.perf.stand.15.20	15	20	grey	s13033002
e.trunking.perf.stand.15.30		30		s13033004
e.trunking.perf.stand.20.20	20	20		s13033003
e.trunking.perf.stand.20.30		30		s13033005
e.trunking.perf.stand.25.65	25	65		s13033013
e.trunking.perf.stand.30.30	30	30		s13033006
e.trunking.perf.stand.30.50		50		s13033007
e.trunking.perf.stand.40.50	40	50		s13033008
e.trunking.perf.stand.45.65	45	65		s13033001
e.trunking.perf.stand.50.50	50	50		s13033009
e.trunking.perf.stand.60.50	60			s13033010
e.trunking.perf.stand.65.65	65	65		s13033015
e.trunking.perf.stand.80.50	80	50		s13033011
e.trunking.perf.stand.80.80		80		s13033016
e.trunking.perf.stand.100.50	100	50	s13033012	
e.trunking.perf.stand.25.25.blue	25	25	blue	s13033017
e.trunking.perf.stand.25.40.blue		40		s13033018
e.trunking.perf.stand.25.60.blue		60		s13033019
e.trunking.perf.stand.40.40.blue	40	40		s13033020
e.trunking.perf.stand.40.60.blue		60		s13033021
e.trunking.perf.stand.40.80.blue		80		s13033022
e.trunking.perf.stand.60.40.blue	60	40		s13033023
e.trunking.perf.stand.60.60.blue		60		s13033024
e.trunking.perf.stand.80.60.blue		80		s13033025
e.trunking.perf.stand.100.100.blue	100	100		s13033027
e.trunking.perf.stand.100.60.blue		60		s13033026



### PVC floor ducts (length 2 m)

They protect the cabling from mechanical damage and provide an aesthetically pleasing appearance.



Title	Width, mm	Height, mm	Colour	Product code
e.trunking.arc.stand.m.60.15	60	15	grey	s1033004
e.trunking.arc.stand.m.75.18	75	18		s1033005
e.trunking.arc.stand.m.90.20	90	20		s1033006

## Outer corners for ducts

Designed for connecting plastic cable ducts, such as skirting boards.



Title	Width, mm	Height, mm	Colour	Product code
e.trunking.blend.out. stand.15.10	15	10	white	s2033001
e.trunking.blend.out. stand.16.16	16	16		s2033002
e.trunking.blend.out. stand.20.10	20	10		s2033003
e.trunking.blend.out. stand.25.16	25	16		s2033004
e.trunking.blend.out. stand.25.25		25		s2033015
e.trunking.blend.out. stand.40.16	40	16		s2033005
e.trunking.blend.out. stand.40.25		25		s2033006
e.trunking.blend.out. stand.40.40		40		s2033007
e.trunking.blend.out. stand.60.40	60	40		s2033008
e.trunking.blend.out. stand.60.60		60		s2033016
e.trunking.blend.out. stand.100.40	100	40		s2033010
e.trunking.blend.out. stand.100.60		60		s2033011

## Inside corners for ducts

Designed for connecting plastic cable boxes, e.g. trunkings.



Title	Width, mm	Height, mm	Colour	Product code
e.trunking.blend.in. stand.15.10	15	10	white	s4033001
e.trunking.blend.in. stand.16.16	16	16		s4033002
e.trunking.blend.in. stand.20.10	20	10		s4033003
e.trunking.blend.in. stand.25.16	25	16		s4033004
e.trunking.blend.in. stand.25.25		25		s4033015
e.trunking.blend.in. stand.40.16	40	16		s4033005
e.trunking.blend.in. stand.40.25		25		s4033006
e.trunking.blend.in. stand.40.40		40		s4033007
e.trunking.blend.in. stand.60.40	60	40		s4033008
e.trunking.blend.in. stand.60.60		60		s4033016
e.trunking.blend.in. stand.100.40	100	40		s4033010
e.trunking.blend.in. stand.100.60		60		s4033011

## Flat channel corners

Designed for connecting plastic cable ducts, e.g. trunkings.



Title	Width, mm	Height, mm	Colour	Product code
e.trunking.blend.angle. stand.15.10	15	10	white	s3033001
e.trunking.blend.angle. stand.16.16	16	16		s3033002





Title	Width, mm	Height, mm	Colour	Product code
e.trunking.blend.angle.stand.20.10	20	10	white	s3033003
e.trunking.blend.angle.stand.25.16	25	16		s3033004
e.trunking.blend.angle.stand.25.25		25		s3033015
e.trunking.blend.angle.stand.40.16	40	16		s3033005
e.trunking.blend.angle.stand.40.25		25		s3033006
e.trunking.blend.angle.stand.40.40		40		s3033007
e.trunking.blend.angle.stand.60.40	60	40		s3033008
e.trunking.blend.angle.stand.60.60		60		s3033016
e.trunking.blend.angle.stand.100.40	100	40		s3033010
e.trunking.blend.angle.stand.100.60		60		s3033011

## Channel connector

Designed for connecting plastic cable boxes, e.g. trunkings.



Title	Width, mm	Height, mm	Colour	Product code
e.trunking.channel.stand.15.10	15	10	white	s15033001
e.trunking.channel.stand.16.16	16	16		s15033002
e.trunking.channel.stand.20.10	20	10		s15033003
e.trunking.channel.stand.25.16	25	16		s15033004
e.trunking.channel.stand.25.25	40	25		s15033010
e.trunking.channel.stand.40.16	40	16		s15033005
e.trunking.channel.stand.40.25		25		s15033006
e.trunking.channel.stand.40.40		40		s15033014
e.trunking.channel.stand.60.40	60	40		s15033015
e.trunking.channel.stand.60.60		60		s15033016
e.trunking.channel.stand.100.40	100	40		s15033011
e.trunking.channel.stand.100.60		60		s15033012

## Channel plugs

Designed for closing the ends of plastic cable ducts, such as mouldings.



Title	Width, mm	Height, mm	Colour	Product code
e.trunking.terminal.stand.15.10	15	10	white	s6033001
e.trunking.terminal.stand.16.16	16	16		s6033002
e.trunking.terminal.stand.20.10	20	10		s6033003
e.trunking.terminal.stand.25.16	25	16		s6033004
e.trunking.terminal.stand.25.25		25		s6033015

Title	Width, mm	Height, mm	Colour	Product code
e.trunking.terminal. stand.40.16	40	16	white	s6033005
e.trunking.terminal. stand.40.25		25		s6033006
e.trunking.terminal. stand.40.40	40	40		s6033007
e.trunking.terminal. stand.60.40	60	40		s6033008
e.trunking.terminal. stand.60.60		60		s6033016
e.trunking.terminal. stand.100.40	100	40		s6033010
e.trunking.terminal. stand.100.60		60		s6033011

## T-connectors

Designed for connecting plastic cable boxes, such as busbars.



Title	Width, mm	Height, mm	Colour	Product code
e.trunking.t.channel. stand.15.10	15	10	white	s5033001
e.trunking.t.channel. stand.16.16	16	16		s5033002
e.trunking.t.channel. stand.20.10	20	10		s5033003
e.trunking.t.channel. stand.25.16	25	16		s5033004
e.trunking.t.channel. stand.25.25		25		s5033015
e.trunking.t.channel. stand.40.16	40	16		s5033005
e.trunking.t.channel. stand.40.25		25		s5033006
e.trunking.t.channel. stand.40.40		40		s5033007
e.trunking.t.channel. stand.60.40	60	40		s5033008
e.trunking.t.channel. stand.60.60		60		s5033016
e.trunking.t.channel. stand.100.40	100	40		s5033010
e.trunking.t.channel. stand.100.60		60		s5033011

## Corrugated pipes and accessories

### Corrugated pipes with a broach

Designed for the installation of open electrical cabling along walls and ceilings made of non-combustible materials.



Title	Bay, m	Diameter, mm	Product code
e.g.tube.stand.11.16.p	100	16	s028001
e.g.tube.stand.14.20.p	100	20	s028002
e.g.tube.stand.19.25.p	50	25	s028014
e.g.tube.stand.25.32.p	25	32	s028031
e.g.tube.stand.33.40.p	50	40	s028005
e.g.tube.stand.40.50.p	25	50	s028012

### Corrugated tubes manufactured in Ukraine by e.stand.ultra

Designed for the installation of open electrical cables along walls and ceilings made of non-combustible materials. PVC corrugated conduit with drafting device.



Title	Bay, m	Diameter, mm	Product code
e.g.tube.stand.ultra.11.16.p (100 m)	100	16	s035108
e.g.tube.stand.ultra.14.20.p (100 m)		20	s035109
e.g.tube.stand.ultra.19.25.p (50m)	50	25	s035110
e.g.tube.stand.ultra.25.32.p (25m)	25	32	s035111

### Corrugated tubing of the e.professional series manufactured in Ukraine

Designed for the installation of concealed electrical wiring in floors, ceilings and walls made of non-combustible materials, it is also suitable for use in cement screed and poured concrete. Heavy corrugated pipe (750 N).



Title	Bay, m	Diameter, mm	Product code
np. tube.pro.11.16 (25 m)	25	16	s028059
np. tube.pro.11.16 (50 m)	50		s028060
np. tube.pro.14.20 (25 m)	25	20	s028061
np. tube.pro.14.20 (50 m)	50		s028062
np. tube.pro.19.25 (25 m)	25	25	s028063
np. tube.pro.19.25 (50 m)	50		s028068
np. tube.pro.25.32 (25 m)	25	32	s028069
np. tube.pro.25.32 (50 m)	50		s028070

### UV-resistant corrugated tubes e.stand.uv

Designed for the installation of open electrical cables along walls and ceilings made of non-flammable materials. PVC corrugated conduit with a broach is used for laying electrical cables outdoors.



Title	Bay, m	Diameter, mm	Product code
e.g.tube.uv.stand.11.16.p (50 m)	50	16	s028071
e.g.tube.uv.stand.11.16.p (25 m)	25		s028072
e.g.tube.uv.stand.14.20.p (50 m)	50	20	s028073
e.g.tube.uv.stand.14.20.p (25 m)	25		s028074
e.g.tube.uv.stand.19.25.p (50 m)	50	25	s028075
e.g.tube.uv.stand.19.25.p (25 m)	25		s028076
e.g.tube.uv.stand.25.32.p (50 m)	50	32	s028077
e.g.tube.uv.stand.25.32.p (25 m)	25		s028078

## Reinforced flexible pipes

Designed for the installation of open electrical cabling along walls and ceilings made of non-combustible materials.



Title	Bay, m	Diameter, mm	Product code
np.tube.pro.10	30	10	CS30010
np.tube.pro.12		12	CS30012
np.tube.pro.14		14	CS30014
np.tube.pro.16		16	CS30016
np.tube.pro.20		20	CS30020
np.tube.pro.22		22	CS30022
np.tube.pro.25		25	CS30025
np.tube.pro.30		30	CS30030
np.tube.pro.32		32	CS30032
np.tube.pro.38		38	CS30038

## Plain plastic pipes and accessories

### Light grey PVC pipes (length 3 m)

They are designed to protect cables and wires from mechanical damage and to installation of open wiring along walls and ceilings made of combustible and non-combustible materials.



Title	Outer diameter, mm	Product code
e.pipe.stand.gray.16	16	s1035051
e.pipe.stand.gray.20	20	s1035052
e.pipe.stand.gray.25	25	s1035053
e.pipe.stand.gray.32	32	s1035054
e.pipe.stand.gray.40	40	s1035055
e.pipe.stand.grey.50	50	s1035056
e.pipe.stand.gray.63	63	s1035057

### Pipe couplings

Designed for direct connection of PVC pipes, IP55.



Title	Product code
e.pipe.connect.stand.m.16	s1035206
e.pipe.connect.stand.m.20	s1035207
e.pipe.connect.stand.m.25	s1035202
e.pipe.connect.stand.m.32	s1035220

### Smooth angled pipe couplings

Designed to ensure a smooth 90° rotation of the pipeline route, IP55.



Title	Product code
e.pipe.angle.large.stand.m.16	s1035208u
e.pipe.angle.large.stand.m.20	s1035209u
e.pipe.angle.large.stand.m.25	s1035210

### Pipe tees

Designed for connecting and branching PVC pipes, IP55.



Title	Product code
e.pipe.t.connect.stand.m.16	s1035211
e.pipe.t.connect.stand.m.20	s1035219u
e.pipe.t.connect.stand.m.25	s1035212

## Cable laying system in soil

The double-walled pipe is used for laying communication networks up to 10 kV and can withstand heavy loads in the ground due to its high mechanical strength

### Double-walled black pipe



Title	Outer diameter, mm	Internal diameter, mm	Length, m	Product code
e.kor.tube.black.40.32	40	32	50	s028101
e.kor.tube.black.50.41	50	41		s028102
e.kor.tube.black.63.52	63	52		s028103
e.kor.tube.black.75.61	75	61		s028104
e.kor.tube.black.90.75	90	74	50	s028105
e.kor.tube.black.110.95	110	95		s028106
e.kor.tube.black.160.136	160	136		s028107

### Double-walled red pipe



Title	Outer diameter, mm	Internal diameter, mm	Length, m	Product code
Copoflex 40	40	32	50	KF09040
Copoflex 50	50	41		KF09050
Copoflex 63	63	52		KF09063
Copoflex 75	75	61		KF09075
Copoflex 90	90	74	50	KF09090
Copoflex 110	110	95		KF09110
Copoflex 160	160	136		KF09160

### Couplings for pipes

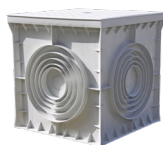
Designed to connect corrected double-walled pipes.



Title	Pipe diameter to be connected, mm	Product code
e.pipe.connector.75	75	001132p
e.pipe.connector.90	90	001142p
e.pipe.connector.110	110	001152p
e.pipe.connector.160	160	001192p

### Cable chambers

Designed to provide access to branch points of underground cable routes. They serve as inspection manholes. A practical and inexpensive solution for streets, parks, gardens, construction, power lines, telephone lines and infrastructure. The body material is polypropylene.



Title	Dimensions, mm	Product code
e.manhole.200.200.200.cover	200×200×200	CP202020
e.manhole.300.300.300.6.cover	300×300×300	CP303032
e.manhole.300.300.300.cover	300×300×300	CP303030
e.manhole.400.400.400.cover	400×400×400	CP404040
e.manhole.550.550.500.cover	550×550×500	CP555550
e.manhole.360.260.320.cover	320x260x320	CP362632

## Metal hose and accessories

### Metal hose, IP40

Metal hose with galvanic corrosion protection coating for exposed installations electrical cables, including on combustible surfaces, for additional protection of the cables from mechanical damage indoors.



Title	Nominal passage diameter, mm	Bay, m	Product code
e.met.sleeve.stand.sldx.038	3,8	100	s032048
e.met.sleeve.stand.sldx.08	8		s032017
e.met.sleeve.stand.sldx.10	10		s032019
e.met.sleeve.stand.sldx.12	12		s032020
e.met.sleeve.stand.sldx.15	15		s032021
e.met.sleeve.stand.sldx.18	18	50	s032022
e.met.sleeve.stand.sldx.25	25		s032023
e.met.sleeve.stand.sldx.32	32	25	s032024
e.met.sleeve.stand.sldx.38	38		s032025
e.met.sleeve.stand.sldx.50	50	20	s032026
e.met.sleeve.stand.sldx.63	63		s032044
e.met.sleeve.stand.sldx.80	80	10	s032045

### Metal hose from the "Light" series

Hot-dip galvanised steel hose is designed for the installation of exposed electrical cables, including on combustible surfaces, for additional protection of cables from mechanical damage indoors.



Title	Nominal passage diameter, mm	Bay, m	Product code
Hot-dip galvanised metal drag hose	9	50	RZI-Ts-0950
Hot-dip galvanised metal drag hose 11 mm/50 m Light	11		RZI-Ts-1150
Hot-dip galvanised metal drag hose 14 mm/50 m Light	14		RZI-Ts-1450
Hot-dip galvanised metal drag hose 18 mm/50 m Light	18		RZI-Ts-1850
Hot-dip galvanised metal drag hose 20 mm/50 m Light	20		RZI-Ts-2050
Hot-dip galvanised metal drag hose 22 mm/50 m Light	22		RZI-Ts-2250
Hot-dip galvanised metal drag hose 11 mm/25 m Light	11	25	RZI-Ts-1125
Hot-dip galvanised metal drag hose 14 mm/25 m Light	14		RZI-Ts-1425
Hot-dip galvanised metal drag hose 18 mm/25 m Light	18		RZI-Ts-1825
Hot-dip galvanised metal drag hose 20 mm/25 m Light	20		RZI-Ts-2025
Hot-dip galvanised metal drag hose 22 mm/25 m Light	22		RZI-Ts-2225
Hot-dip galvanised metal drag hose 26 mm/25 m Light	26	10	RZI-Ts-2625
Hot-dip galvanised metal drag hose 11 mm/10 m Light	11		RZI-Ts-1110

Title	Nominal passage diameter, mm	Bay, m	Product code
Hot-dip galvanised metal drag hose 14 mm/10 m Light	14	10	RZI-Ts-1410
Hot-dip galvanised metal drag hose 18 mm/10 m Light	18		RZI-Ts-1810

### Metal hose with dragger

Cold galvanised steel hose for the installation of exposed electrical cables, including on combustible surfaces, for additional protection of cables from mechanical damage indoors.



Title	Nominal passage diameter, mm	Bay, m	Product code
Cold galvanised metal hose 11 mm/50 m, with	11	50	RZ-C11/50
Metal hose galvanized hot-dip galvanised 14 mm/50 m, with broach	14		RZ-C14/50
Cold galvanised metal hose 18 mm/50 m, with dragger	18		RZ-C18/50
Cold galvanised metal hose 20 mm/50 m, with	20		RZ-TS20/50
Hot-dip galvanised metal hose 22 mm/50 m, with dragger	22		RZ-C22/50
Metal hose hot-dip galvanised 26 mm/25 m, with broach	26	25	RZ-C26/25
Cold galvanised metal hose 11 mm/25 m, with dragger	11		RZ-C11/25
Cold galvanised metal hose 14 mm/25 m, with dragger	14		RZ-C14/25
Cold galvanised metal hose 18 mm/25 m, with dragger	18		RZ-C18/25
Metal hose hot-dip galvanised 20 mm/25 m, with broach	20		RZ-C20/25
Cold galvanised metal hose 22 mm/25 m, with	22		RZ-C22/25

### Insulated metal hose, IP65

Designed for the installation of electrical cables in aggressive environments with high dust and gas content. It is externally covered with self-extinguishing PVC to ensure tightness.



Title	Nominal passage diameter, mm	Bay, m	Product code
e.met.proof.stand.slfs.08	8	100	s032027
e.met.proof.stand.slfs.10	10		s032028
e.met.proof.stand.slfs.12	12		s032029
e.met.proof.stand.slfs.15	15		s032030
e.met.proof.stand.slfs.18	18	50	s032031
e.met.proof.stand.slfs.25	25		s032032
e.met.proof.stand.slfs.32	32	25	s032033
e.met.proof.stand.slfs.38	38		s032034
e.met.proof.stand.slfs.50	50	20	s032035
e.met.proof.stand.slfs.63	63		s032046
e.met.proof.stand.slfs.80	80		s032047

## Reinforced insulated metal hose, IP68

Designed for the installation of electrical cables in aggressive environments with high moisture and dust content. The outer sheath is made of light-stabilised PVC.



Title	Nominal passage diameter, mm	Bay, m	Product code
e.met.sleeve.stand.proof.sifg.13	13	100	s049001
e.met.sleeve.stand.proof.sifg.16	16	50	s049002
e.met.sleeve.stand.proof.sifg.21	21		s049003
e.met.sleeve.stand.proof.sifg.26	26		s049004
e.met.sleeve.stand.proof.sifg.34	34	25	s049005

## Insulated metal hose, non-flammable and halogen-free in insulation, IP65

Designed for the installation of electrical cabling in critical facilities with high requirements. The company's fire safety and cable protection systems.



Title	Nominal passage diameter, mm	Bay, m	Product code
e.met.sleeve.stand.proof.slhf.15	15	100	s032051
e.met.sleeve.stand.proof.slhf.18	18		s032052
e.met.sleeve.stand.proof.slhf.25	25	50	s032053

## Metal braided hose, IP68

Designed for the installation of open cabling, including in timber buildings, for additional protection of the cabling from mechanical damage. The outer metal braid provides additional mechanical strength.



Title	Nominal passage diameter, mm	Bay, m	Product code
e.met.sleeve.stand.proof.braid.12	12	50	s050001
e.met.sleeve.stand.proof.braid.15	15		s050002
e.met.sleeve.stand.proof.braid.18	18		s050003
e.met.sleeve.stand.proof.braid.25	25		s050004
e.met.sleeve.stand.proof.braid.32	32	30	s050005
e.met.sleeve.stand.proof.braid.38	38		s050006

## Straight glands for metal hoses, IP65

Designed to reliably and tightly connect metal hoses and electrical equipment.



Title	Product code
e.met.dir.stand.sldx.08	s045001
e.met.dir.stand.sldx.10	s045002
e.met.dir.stand.sldx.12	s045003
e.met.dir.stand.sldx.15	s045004
e.met.dir.stand.sldx.18	s045005
e.met.dir.stand.sldx.25	s045006
e.met.dir.stand.sldx.32	s045007
e.met.dir.stand.sldx.38	s045008
e.met.dir.stand.sldx.50	s045009
e.met.dir.stand.sldx.63	s045010
e.met.dir.stand.sldx.80	s045011



### Angular hose glands for metal hoses, IP65

Designed for the safe angled connection of metal hoses and electrical equipment.



Title	Product code
e.met.angle.stand.sldx.12	s046001
e.met.angle.stand.sldx.15	s046002
e.met.angle.stand.sldx.18	s046003
e.met.angle.stand.sldx.25	s046004
e.met.angle.stand.sldx.32	s046005
e.met.angle.stand.sldx.38	s046006
e.met.angle.stand.sldx.50	s046007

### Metal hose couplings, IP65

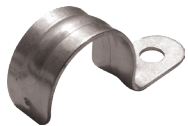
Designed to connect metal hoses.



Title	Product code
e.met.connect.stand.sldx.08	s044007
e.met.connect.stand.sldx.10	s044008
e.met.connect.stand.sldx.12	s044009
e.met.connect.stand.sldx.15	s044001
e.met.connect.stand.sldx.18	s044002
e.met.connect.stand.sldx.25	s044003
e.met.connect.stand.sldx.32	s044004
e.met.connect.stand.sldx.38	s044005
e.met.connect.stand.sldx.50	s044006
e.met.connect.stand.sldx.63	s044010
e.met.connect.stand.sldx.80	s044011

### Metal mounting brackets 1s

Designed for fixing metal hoses.



Title	Product code
e.met.clips.stand.15.1s	s043001
e.met.clips.stand.18.1s	s043002
e.met.clips.stand.25.1s	s043003
e.met.clips.stand.32.1s	s043004
e.met.clips.stand.38.1s	s043005
e.met.clips.stand.50.1s	s043006
e.met.clips.stand.63.1s	s043013

### Metal mounting brackets 2s

Designed for fixing metal hoses.



Title	Product code
e.met.clips.stand.15.2s	s043007
e.met.clips.stand.18.2s	s043008
e.met.clips.stand.25.2s	s043009
e.met.clips.stand.32.2s	s043010
e.met.clips.stand.38.2s	s043011
e.met.clips.stand.50.2s	s043012
e.met.clips.stand.63.2s	s043014

## Simple inspection couplings

Designed for joining pipes on straight sections of route, for connecting, inspecting or replacing pipes.



Title	Product code
e.industrial.pipe.db.revise.direct.1/2"	i0550001
e.industrial.pipe.db.revise.direct.3/4"	i0550002
e.industrial.pipe.db.revise.direct.1"	i0550003
e.industrial.pipe.db.revise.direct.1-1/4"	i0550004
e.industrial.pipe.db.revise.direct.1-1/2"	i0550005
e.industrial.pipe.db.revise.direct.2"	i0550006

## L-shaped inspection couplings

The two-part female threaded fittings are designed for connecting pipes at 90° elbows along the route for connecting, inspecting or replacing pipes.



Title	Product code
e.industrial.pipe.db.revise.elbow.1/2"	i0540001
e.industrial.pipe.db.revise.elbow.3/4"	i0540002
e.industrial.pipe.db.revise.elbow.1"	i0540003
e.industrial.pipe.db.revise.elbow.1-1/4"	i0540004
e.industrial.pipe.db.revise.elbow.1-1/2"	i0540005
e.industrial.pipe.db.revise.elbow.2"	i0540006

## T-shaped inspection couplings

They are used for connecting pipes at 90° route branches, connecting, inspecting or replacing pipes.



Title	Product code
e.industrial.pipe.db.revise.t.1/2"	i0560001
e.industrial.pipe.db.revise.t.3/4"	i0560002
e.industrial.pipe.db.revise.t.1"	i0560003
e.industrial.pipe.db.revise.t.1-1/4"	i0560004
e.industrial.pipe.db.revise.t.1-1/2"	i0560005
e.industrial.pipe.db.revise.t.2"	i0560006

## Pipe junction boxes

Designed for connecting and branching wires laid in steel pipes.



Title	Product code
e.industrial.pipe.db.12x5 square	i0520001
e.industrial.pipe.db.octa octagonal 4x5	i0520002

## Pipe junction boxes

Designed for connecting and branching wires laid in steel pipes.



Title	Product code
e.industrial.pipe.db.thread.3.1/2"	i0530001
e.industrial.pipe.db.thread.3.3/4"	i0530002
e.industrial.pipe.db.thread.4.1/2"	i0530003
e.industrial.pipe.db.thread.4.3/4"	i0530004
e.industrial.pipe.db.thread.5.1/2"	i0530005
e.industrial.pipe.db.thread.5.3/4"	i0530006
e.industrial.pipe.db.thread.5.x.1/2"	i0530007
e.industrial.pipe.db.thread.5 x 3/4"	i0530008
e.industrial.pipe.db.cover	i0530009

## Threaded plugs

Designed to close unused openings.



Title	Product code
e.industrial.sar.1/2"	i0570001
e.industrial.sar.3/4"	i0570002

## Tube suspension brackets

Designed for fixing pipes to supporting structures, walls and ceilings.



Title	Product code
e.industrial.pipe.clip.hand.1/2"	i0470001
e.industrial.pipe.clip.hand.3/4"	i0470002
e.industrial.pipe.clip.hand.1"	i0470003
e.industrial.pipe.clip.hand.1-1/4"	i0470004
e.industrial.pipe.clip.hand.1-1/2"	i0470005
e.industrial.pipe.clip.hand.2"	i0470006

# LIGHTING PRODUCTS AND PRODUCTS FOR ELECTRICAL INSTALLATIONS

## Luminaires LED

### LED luminaires e.LED.ch

Suitable for general and spot lighting in offices, residential buildings, schools, hospitals, etc. They can be connected in lines using the special connectors included in the kit. They are also used in furniture lighting and commercial equipment.



Title	Output power, W	Colour temperature, K	Luminous flux, Lm	Length, mm	Width, mm	Height, mm	Product code
e.LED.ch.T5B300.5.6500	5	6500	400	300	23	34	10840005
e.LED.ch.T5B600.9.6500	9		720	572			10840006
e.LED.ch.T5B900.12.6500	12		960	880			10840007
e.LED.ch.T5B1200.18.6500	18		1440	1178			10840008

Suitable for general and local lighting in offices, residential areas, schools, hospitals, etc.

### Universal LED luminaires (recessed and surface-mounted) e.LED Surface 600

Suitable for general and local lighting in offices, residential areas, schools, hospitals and other facilities. etc.

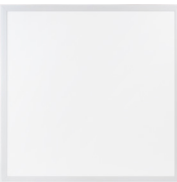


Title	Output power, W	Colour temperature, K	Luminous flux, Lm	Length, mm	Width, mm	Height, mm	Product code
e.LED Surface 600. Prisma.36.4500K	36	4500	3000	595	595	19	10850004
e.LED Surface 600. Prisma.36.6500K		6500					10850002



Title	Output power, W	Colour temperature, K	Luminous flux, Lm	Length, mm	Width, mm	Height, mm	Product code
e.LED Surface 600. Opal.36.4500K	36	4500	3000	595	595	19	10850005
e.LED Surface 600. Opal.36.6500K		6500					10850006

### Recessed LED luminaires from the e.LED.Panel.PRO \* and e.LED.Panel.STAND series



Title	Operating voltage, V	Output power, W	Temperature colour, K	Luminous flux, Lm	Colour reproduction, Ra	Size, mm	Product code
e.LED.Panel.PRO.600.36.4000. Without power supply	180-265	36	4000	3200	80	595× 595× 7,2	10850021
e.LED.Panel.PRO.600.36.6500. Without power supply			6500				10850017
e.LED.Panel.STAND.600.36.4000. Without power supply	220-240	36	4000	3600	80		10850101
e.LED.Panel.STAND.600.36.6500. Without power supply			6500				10850102

\*The controller is supplied separately.

### Pendant LED luminaires from the STAND series



Title	Temperature colour, K	Rated supply voltage, V	Nominal frequency, Hz	Power, W	Luminous flux, Lm	Degree protection	Product code
e.LED.ufo.stand.100.6500	6 500	220-240	50	100	10 000	IP65	10830014
e.LED.ufo.stand.150.6500				150	15 000		10830015
e.LED.ufo.stand.200.6500				200	20 000		10830016

### LED pendant luminaires e.LED.HB

Designed for general lighting of long-span industrial and warehouse premises.



Title	Power, W	Luminous flux, Lm	Installation method	Product code
e.LED.HB.100.6500	100	10000	hook	10830005
e.LED.HB.150.6500	150	15000		10830006

### Aluminium reflectors for e.LED.HB luminaires

Designed for general lighting of long-span industrial and warehouse premises.



Title	Power, W	Dispersion angle	Product code
e.LED.HB.Reflect.90.100	100	90°	10830007
e.LED.HB.Reflect.90.150	150		10830008
e.LED.HB.Reflect.120.100	100	120°	10830009
e.LED.HB.Reflect.120.150	150		10830010

### LED luminaires with dust and water protection IP54

They are used for lighting residential and commercial premises, warehouses and industrial facilities.



Title	Power, W	Colour temperature, K	Product code
e.LED.rondo.8.4500.white	8	4500	10810101
e.LED.rondo.12.4500.white	12	4500	10810102
e.LED.rondo.18.4500.white	18	4500	10810103
e.LED.oval.8.4500.white	8	4500	10810104
e.LED.oval.12.4500.white	12	4500	10810105



### Waterproof aluminium luminaires e.light, IP54

#### Waterproof aluminium luminaires e.light

The luminaires in the e.light range are used to illuminate warehouses and production facilities. They can be used in wet rooms and under cover outdoors.



Title	Colour	Lamp power, W	Product code
e.light.1301.1.60.27.black	black	60	1002001
e.light.1301.1.60.27.white	white		1002002
e.light.1301.1.100.27.black	black	100	1002020
e.light.1301.1.100.27.white	white		1002019
e.light.1302.1.60.27.black	black	60	1002003
e.light.1302.1.60.27.white	white		1002004
e.light.1302.1.100.27.black	black	100	1002022
e.light.1302.1.100.27.white	white		1002021
e.light.1303.1.60.27.black	black	60	1002005
e.light.1303.1.60.27.white	white		1002006
e.light.1303.1.100.27.black	black	100	1002024
e.light.1303.1.100.27.white	white		1002023



Title	Colour	Lamp power, W	Product code
e.light.1401.1.60.27.black	black	60	I002007
e.light.1401.1.60.27.white	white		I002008
e.light.1401.1.100.27.black	black	100	I002026
e.light.1401.1.100.27.white	white		I002025
e.light.1402.1.60.27.black	black	60	I002009
e.light.1402.1.60.27.white	white		I002010
e.light.1402.1.100.27.black	black	100	I002028
e.light.1402.1.100.27.white	white		I002027
e.light.1403.1.60.27.black	black	60	I002011
e.light.1403.1.60.27.white	white		I002012
e.light.1403.1.100.27.black	black	100	I002030
e.light.1403.1.100.27.white	white		I002029
e.light.9017.1.100.27.black	black	100	I002033
e.light.9017.1.60.27.black	black	60	I002031
e.light.9018.1.60.27.black	black	60	I002035
e.light.9022.1.60.27.black	black	60	I002043
e.light.1701.1.60.27.black	black	60	I002013

### LED street console luminaires from the e.LED.Street series, IP65

They are designed for lighting streets, roads, parks, squares and industrial areas.



Title	Power, W	Luminous flux, Lm	Service life, hours	Installation method	Product code
e.LED.Street.30.6500	30	3000	50000	for pipe Ø 45 mm	I0820009
e.LED.Street.50.6500	50	5000		for pipe Ø 50 mm	I0820003
e.LED.Street.100.6500	100	10000		for pipe Ø 60 mm	I0820004
e.LED.Street.150.6500	150	15000			I0820005

### LED street console luminaires series STAND



Title	Colour temperature, K	Rated supply voltage, V	Nominal frequency, Hz	Power, W	Luminous flux, Lm	Degree protection	Product code
e.LED.street.stand.30.6500	6 500	220-240	50	30	3 000	IP65	I0820010
e.LED.street.stand.50.6500				50	5 000		I0820011
e.LED.street.stand.100.6500				100	10 000		I0820012

### LED street console luminaires ESO series, IP66

They are designed to illuminate parks, streets, car parks, squares, avenues and other facilities.



Title	Power, W	Colour temperature, K	Installation method	Product code
e.LED.street.eco.30.4500	30	4500	for pipe Ø 60 mm	I0820006
e.LED.street.eco.50.4500	50			I0820007
e.LED.street.eco.100.4500	100			I0820008

### LED floodlights e.LED.flood.stand

Designed to illuminate building facades, entrances, terraces, landings, sections of squares, car parks, illuminate billboards, indoor spaces, exhibitions, sports facilities.



Title	Power, W	Temperature colour, K	Luminous flux, Lm	Product code
e.LED.flood.stand.10.6000	10	6000	800	10790001
e.LED.flood.stand.20.6000	20		1600	10790002
e.LED.flood.stand.30.6000	30		2400	10790003
e.LED.flood.stand.50.6000	50		4000	10790004
e.LED.flood.stand.100.6000	100		8000	10790005
e.LED.flood.stand.150.6000	150		12000	10790006
e.LED.flood.stand.200.6000	200		16000	10790007
e.LED.flood.stand.sensor.30.6000	30		2400	10790008
e.LED.flood.stand.sensor.50.6000	50		4000	10790009

### LED lamps e.LED.lamp LED

#### lamps e.LED.lamp.P

Designed for residential, office and commercial lighting.



Title	Type basics	Operating voltage range, V	Output power, W	Temperature colour, K	Luminous flux, Lm	Height, mm	Diameter, mm	Product code
e.LED.lamp.P45,E14.6.3000	E14	~ 200-250	6	3000	480	79	45	10650609
e.LED.lamp.P45,E14.6.4000				4000				10650610
e.LED.lamp.P45,E27.6.3000	E27			3000				10650622
e.LED.lamp.P45,E27.6.4000				4000				10650623

#### LED bulbs e.LED.lamp.B

Designed for residential, office and commercial lighting.



Title	Type basics	Operating voltage range, V	Output power, W	Temperature colour, K	Luminous flux, Lm	Height, mm	Diameter, mm	Product code
e.LED.lamp.B35,E14.6.3000	E14	~ 200-250	6	3000	480	79	45	10650611
e.LED.lamp.B35,E14.6.4000				4000				10650612

#### LED bulbs e.LED.lamp.GU

Designed for spot and decorative lighting in residential and office spaces.



Title	Type basics	Operating voltage range, V	Output power, W	Temperature colour, K	Luminous flux, Lm	Height, mm	Diameter, mm	Product code
e.LED.lamp.GU10.5.3000	GU10	~ 200-250	5	3000	400	55	50	10650613
e.LED.lamp.GU10.5.4000				4000				10650614

## LED bulbs e.LED.lamp.HP

Designed for general lighting of warehouses and industrial premises.



Title	Type basics	Operating voltage range gi, V	Output power, W	Temperature colour, K	Light flow, Lm	Height, mm	Diameter, mm	Product code
e.LED.lamp. HP.E27.28.6000	E27	~ 175-266	28	6000	2800	185	100	10650620
e.LED.lamp. HP.E27.50.6000		~ 200-250	50	6500	5000	235	125	10650621

## LED bulbs e.LED.lamp.A

Designed for general lighting of warehouses and industrial premises.



Title	Type basics	Operating voltage range gi, V	Output power, W	Temperature colour, K	Light flow, Lm	Height, mm	Diameter, mm	Product code
e.LED.lamp. A70.E27.15.3000	E27	~ 200-250	15	3000	1200	122	70	10650601
e.LED.lamp. A70.E27.15.4000				4000	1500			10650602
e.LED.lamp. A60.E27.12.3000			12	3000	960	112	60	10650603
e.LED.lamp. A60.E27.12.4000				4000	1200			10650604
e.LED.lamp. A60.E27.10.3000			10	3000	800			10650605
e.LED.lamp. A60.E27.10.4000				4000	1000			10650606
e.LED.lamp. A60.E27.7.3000			7	3000	560			10650607
e.LED.lamp. A60.E27.7.4000				4000	700			10650608

## Twilight sensors (photocells)

Designed for the automatic control (switching on and off) of indoor and outdoor lighting according to light levels: street lighting, advertising signs, shop windows, interior lighting, etc.



Title	Sensor type	Rated current, A	Degree of protection	Colour	Product code
e.sensor.light-conrol.302	photocell	10	IP44	white	s061007
e.sensor.light-conrol.303.white	photocell	25			s061008
e.sensor.daylight.330.dim.white	Dimming 1-10 V	1-10	IP20	white	s061016

## Sensors motion

They are designed for the automatic control of lighting (burglar alarms, electrical appliances) depending on the movement of people and other objects within the sensor's range, as well as the light level.



Title	Sensor type	Viewin g angle	Trigger distance	Degree protection	Colour	Product code
e.sensor.mw.700.white	micro wave	360°	8	IP20	white	s061021



Title	Sensor type	Viewin g angle	Trigger distance	Degree protection	Colour	Product code
e.sensor.pir.07.white	infrared	360°	6	IP20	white	s061001



## Electrical Newest Exclusive Extended Technologies



Title	Sensor type	Viewin g angle	Trigger distance	Degree protection	Colour	Product code
e.sensor.pir.42.white	infrared	360°	6	IP20	white	s061011



Title	Sensor type	Viewin g angle	Trigger distance	Degree protection	Colour	Product code
e.sensor.pir.451.e27.white	infrared	360°	6	IP20	white	s061020



Title	Sensor type	Viewin g angle	Trigger distance	Degree protection	Colour	Product code
e.sensor.pir.01B.white	infrared	160°	9	IP20	white	s061012



Title	Sensor type	Viewin g angle	Trigger distance	Degree protection	Colour	Product code
e.sensor.pir.09.black	infrared	180°	12	IP44	black	s061003
e.sensor.pir.09.white					white	s061002



Title	Sensor type	Viewin g angle	Trigger distance	Degree protection	Colour	Product code
e.sensor.pir.10F.black	infrared	180°	12	IP44	black	s061005
e.sensor.pir.10F.white					white	s061004



Title	Sensor type	Viewin g angle	Trigger distance	Degree protection	Colour	Product code
e.sensor.pir.12.black	infrared	180°	12	IP44	black	s061010
e.sensor.pir.12.white					white	s061009



Title	Sensor type	Viewin g angle	Trigger distance	Degree protection	Colour	Product code
e.sensor.pir.38.white	infrared	180°	12	IP44	white	s061006



Title	Sensor type	Viewin g angle	Trigger distance	Degree protection	Colour	Product code
e.sensor.pir.13.black	infrared	270°	12	IP44	black	s061019
e.sensor.pir.13.white					white	s061018



Title	Sensor type	Viewin g angle	Trigger distance	Degree protection	Colour	Product code
e.sensor.pir.24.white	infrared	360°	6	IP20	white	s061017

### Electric luminaires ceramic

Designed for mounting and fixing light sources in luminaires






Title	Housing material	Type basics	Rated current (A/230 V)	Cross-section of connected cable, mm <sup>2</sup>	Length, mm	Product code
e.lamp socket.E27.cer	ceramics	E27	4	0,5...1,5	-	s9100014
e.lamp socket.E14.cer		E14				s9100013
e.lamp socket.GU10.cer		GU10	2	-	100	s9100011
Socket e.lamp.G5.3.12cm		G4/G5.3/ G6.35			120	s9100012
e.lamp socket.E27.cer. wb.copper		E27	4	0,5...1,5	-	s9100117
E27 ceramic insert without holder						s9100117p
e.lamp socket.E40.cer		E40	16	0,5...2,5	-	s9100056







## Electric luminaires bakelite

Designed for mounting and fixing light sources in luminaires.

Title	Housing material	Substance type	Colour of the coach	Rated current (A/230 V)	Wire clamp type	Cross section of connecting cable, mm <sup>2</sup>	Ceiling light fixation	Product code
 e.lamp socket with nut E27,bk.black	Bakelite	E27	Black	4	Screw	0,75...1,5	nut	s9100008
 e.lamp socket wall side E27bk.black							-	s9100019
 e.lamp socket wall skew side E27,bk.black							-	s9100018

## Adapters for lamps plastic

Designed to be mounted in a bracket with one type (size) of base, light source with another type (size) of base.

Title	Housing material	Base type	Exterior colour	Rated current (A/230 V)	Product code
 e.lamp adapter.E27/E40.cer	Plastic	E27×E40	White	6	s9100015
e.lamp adapter.E40/E27.white		E40×E27			s9100020
 e.lamp adapter.E14/E27.white		E14×E27		4	s9100022
e.lamp adapter.E27/E14.white		E27×E14			s9100021
 e.adapter lampy.GU10/E14.white		GU10×E14			s9100043
e.adapter lampy.GU10/E27.white		GU10×E27			s9100042
 e.lamp adapter.E27/GU10.white		E27×GU10			s9100041
e.lamp adapter.E14/GU10.white		E14×GU10			s9100040

## PRODUCTS FOR ELECTRICAL INSTALLATIONS

### Cable cutting tools and cables

These are used for cutting copper and aluminium wires. Do not cut steel wire, steel cable or aluminium cable with a steel core.



Title	Stripping cable cross-section, mm <sup>2</sup>	Maximum cable cross-section, mm <sup>2</sup>	Product code
e.tool.cutter.104.c	3, 4	16	t003007



Title	Maximum cable cross-section, mm <sup>2</sup>	Product code
e.tool.cutter.lk.22.a.16	6, 16	t003004
e.tool.cutter.lk.38.a.35	6, 35	t003005
e.tool.cutter.lk.60.a.50	50	t003006



Title	Maximum cable cross-section, mm <sup>2</sup>	Product code
e.tool.cutter.lk.125	120	t003003
e.tool.cutter.lk.250	250	t003001
e.tool.cutter.lk.500	500	t003002

### Stripping tools

Designed for stripping copper and aluminium wires, crimping insulated lugs and cutting wires.



Title	Clamping tips, mm <sup>2</sup>	Maximum cable cross-section mm <sup>2</sup>	Stripping cable cross-section, mm <sup>2</sup>	Product code
e.tool.strip.1040.8.16	1,25~2 0,5~0,9	16	3; 4; 5,5	t004005
e.tool.strip.1041.1.6			0,9; 1,25; 2; 3,5; 5,5	t004006
e.tool.strip.1042.0,2.1.25			0,2; 0,35; 0,5; 0,9; 1,25	t004007
e.tool.strip.1043.0,25.0,65			0,25; 0,32; 0,4; 0,6; 0,65	t004008



Title	Stripping cable cross-section, mm <sup>2</sup>	Product code
e.tool.strip.700.a.0,5.2	0,5; 1,2; 1,6; 2	t004001
e.tool.strip.700.b.1,3.2	1; 1,6; 2; 2,6; 3,2	t004002
e.tool.strip.700.n.0,5.3,2	0,5; 1,2; 1,6; 2; 2,6; 3,2	t004004
e.tool.strip.700.d.0,2.4	0,5 ~ 6	t004003

### Crimping tools tips

Designed for crimping insulated bushings, rings, sleeves and fork ends.



Title	Clamping, mm <sup>2</sup>	Product code
e.tool.crimp.hs.04.wf.1.6	1; 2; 3; 4; 5; 6	t002001
e.tool.crimp.hs.10.1,5.6	1,5; 2,5; 4-6	t002003
e.tool.crimp.hs.101.1.10	1,5; 2,5; 4-6; 8-10	t002004
e.tool.crimp.hs.30j.0,5.6	1,5; 2,5; 4-6	t002002
e.tool.crimp.ly.03.c.0,5.6	0,5-1; 1,5-2,5; 4-6	t002005



The multifunctional tool is designed for crimping insulated cable lugs, stripping insulation and cutting wires.



Title	Clamping, mm <sup>2</sup>	Insulation removal, mm <sup>2</sup>	Product code
e.tool.crimp.hs.202.b.0,35.5,5	-	-	t002006
e.tool.crimp.hs.313	1,5; 2,5; 4-6	0,75; 1; 1,5; 2,5; 4; 6	t002016




Designed for crimping square-shaped insulated copper sleeve lugs.



Title	Clamping, mm <sup>2</sup>	Product code
e.tool.crimp.hhs.8.6.4	0,25-6	t002015
e.tool.crimp.hsc.8.16.4	6-16	t002018



## Crimping tools for non-insulated terminals

Designed for crimping copper and aluminium uninsulated cable lugs. Not designed for use with other sleeves and lugs.

	Title	Clamping, mm <sup>2</sup>	Product code
	e.tool.crimp.jt.150	10, 16, 25, 35, 50, 70, 95, 120, 150	t002017
	e.tool.crimp.hx.50.b.6.50	6, 10, 16, 25, 35, 50	t002011
	e.tool.crimp.hx.120.b.10.120	6, 10, 16, 25, 35, 50, 70, 95, 120	t002012
	e.tool.crimp.hx.150.b.25.150	25, 35, 50, 70, 95, 120, 150	t002013
	e.tool.crimp.hx.245.b.75.240	70, 95, 120, 150, 185, 240	t002014
	e.tool.crimp.hs.22.6.25	5,5-6; 8-10; 14-16; 22-25	t002009
	e.tool.crimp.hx.16.6.16	4-6; 10; 16	t002008
	e.tool.crimp.hx.26.b.6.25	6, 8, 10, 16, 25	t002007
	e.tool.crimp.hs.38.6.35	3,5-6; 8-10; 14-16; 22-25; 35-38	t002010








## Crimping tools for cable ties

Designed for the quick crimping of cable ties with the possibility of cutting off excess cable ties.

	Title	Size of clamps	Product code
	e.tool.tie.hs.519.500	length: 50-500 mm, width: 2-9 mm	t007002
	e.tool.tie.tg.100.145	length - up to 145 mm, width - up to 10 mm	t007003

## Indicators voltage

Designed to indicate voltage in AC circuits and domestic electrical appliances.

	Title	Description	Length, mm	Product code
	e.tool.test01	Indicator AC 100- 500V Blade material: steel A3 Slot: straight 3 mm Measurement: contact	130	t001101
	e.tool.test02	Screwdriver - indicator AC 100-500 V Blade material: carbon steel Socket: straight 3.5 mm Measurement: contact	140	t001102
	e.tool.test03	Indicator AC 100- 500 V Blade material: steel A3 Slot: straight 4.5 mm Measurement: contact	155	t001103
	e.tool.test04	Screwdriver - indicator AC 100- 500 V Blade material: CRV steel Slot: straight 4 mm Measurement: contact	190	t001104
	e.tool.test05	Screwdriver - indicator AC 100- 500 V Blade material: CRV steel Slot: straight 4.5 mm Measurement: contact	165	t001105
	e.tool.test06	Screwdriver - indicator AC 100-500 V Blade material: carbon steel Socket: straight 3 mm + ph0 cross-section Measurement: contact	155	t001106
	e.tool.test07	Screwdriver - AC 100-500 V indicator Blade material: CRV steel Splines: straight 4.5 mm + cross ph1 Measurement: contact	190	t001107

**Designed for testing AC and DC circuit components in low-voltage networks. For domestic use.**



Title	Description	Length, mm	Product code
e.tool.test08	Blade material: A3 steel Slot: straight 3.5 mm Pmeasurements: contact spe-a2k5e0r V7,0 70-600 V non-contact loudspeaker, DC up to 250 V, circuit integrity	140	t001108



e.tool.test09	Blade material: A3 steel Slot: straight 3.5 mm Pmeasurements: contact spe-a2k5e0r V7,0 70-600 V non-contact loudspeaker, DC up to 250 V, circuit integrity	140	t001109
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e.tool.test10	Blade material: A3 steel Slot: straight 3 mm Measurement: AC/DC contact 12-250 V, open circuit, circuit continuity, indication,illumination	130	t001110
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e.tool.test11	AC/DC 6-380 V indicator Measurement: contact	185	t001111
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**Pliers**

Designed for locksmith work.



Title	Length, mm	Material.	Handle colour	Product code
e.tool.pliers.ts.04301	200	galvanised steel	red	t005007
e.tool.pliers.ts.04302	165			t005008
e.tool.pliers.ts.04316	120	galvanised steel	Plastik PVC/red	t005004



Title	Length, mm	Material.	Handle colour	Product code
e.tool.pliers.ts.04312	115	steel	PVC plastic/ red	t005001



Title	Length, mm	Material.	Handle colour	Product code
e.tool.pliers.ts.04315	125	steel	PVC plastic/red	t005003



Title	Length, mm	Material.	Handle colour	Product code
e.tool.pliers.ts.04313	130	galvanised steel	PVC plastic/ red	t005002



Title	Length, mm	Material.	Handle colour	Product code
e.tool.pliers.ts.04308	195	galvanised steel	red	t005010
e.tool.pliers.ts.04309	155			t005011

## Side cutters, wire cutters Side cutters

Designed for locksmith work.



Title	Length, mm	Material.	Handle colour	Product code
e.tool.pliers.ts.04305	160	galvanised steel	red	e005009
e.tool.pliers.ts.04317	115	galvanised steel	PVC plastic/ red	t005005

### Pliers for tips

Designed for locksmith work.



Title	Length, mm	Material.	Handle	Product code
e.tool.pliers.ts.04318	110	galvanised steel	red PVC pipe	t005006

## Tools for network cables

### Crimping tool for connectors

Designed for crimping RJ12 (6p) and RJ45 (8p) connectors.



Title	Processed connectors	Additional features	Product code
e.tool.crimp.hs.2008.r	4p/6p/8p	knives for cutting off excess wire	t006001
e.tool.crimp.hs.568.r	6p/8p	-	t006003

### Tool for crimping connectors, stripping insulation and cutting cables



Title	Processed connectors	Additional features	Product code
e.tool.crimp.ht.208.m	8p/8c/RJ-45	Joint crimping, stripping and cutting cables	t006010

### Cross tools

Designed for quick wire splicing in crosses and for cutting excess wire.



Title	Description	Product code
e.tool.plint.gh.613.314	Driving tool for cross equipment	t006004
e.tool.plint.ly.314kr	cross tool with scissors	t006005

### Wire stripping and cutting tool

Designed for stripping insulation and cutting wires.



Title	Description	Product code
e.tool.strip.uni	Stripping, cutting wires	t006008

## Screwdrivers

### Flathead screwdrivers

Designed for loosening and tightening screws, bolts and other threaded parts with a slot on the head.



Title	Model.	Blade thickness, mm	Product code
e.tool.st.303	3×75	0,5	t009001
e.tool.st.404	4×100	0,8	t009002
e.tool.st.505	5,5×125	1	t009003
e.tool.st.606	6,5×150	1,2	t009004

### Phillips screwdrivers

Designed for loosening and tightening screws, bolts and other threaded parts with a cross groove on the head.



Title	Model.	Size by PHILIPS	Product code
e.tool.ph.303	3×75	PH0	t009005
e.tool.ph.403	4,5×75	PH1	t009006
e.tool.ph.604	6×100	PH2	t009007

### Toolkits

#### Screwdriver set e.tool.set.8000.8

It is designed for locksmith work.



Contents of the kit		Quantity, pcs.	Product code
Straight slotted screwdrivers	0,5×3×75 mm	1	t009008
	0,8×4×100 mm	1	
	1×5,5×125 mm	1	
	1,2 × 6,5 × 150 mm	1	
Phillips screwdrivers PH	PH0 3×75 mm	1	t009008
	PH1 4,5×75 mm	1	
	PH2 6×100 mm	1	
Screwdriver tester	Ø3×140 mm	1	

#### Tool set e.tool.set.8000.11

It is designed for locksmith work.



Contents of the kit		Quantity, pcs.	Product code
Straight slotted screwdrivers	0,8×4×100 mm	1	t009009
	1×5,5×125 mm	1	
Phillips screwdrivers PH	PH0 3×75 mm	1	
	PH1 4,5×75 mm	1	
	PH2 6×100 mm	1	
Screwdriver tester	-	1	
Insulating tape	-	2	
Pliers	-	1	
Pliers	-	1	
Stripping pliers	-	1	

#### Tool set e.tool.set.8500.11

It is designed for locksmith work.



Contents of the kit		Quantity, pcs.	Product code
Straight slotted screwdrivers	0,5×3×75 mm	1	t009010
	0,8×4×100 mm	1	
	1×5,5×125 mm	1	
	1,2 × 6,5 × 150 mm	1	
Phillips screwdrivers PH	PH0 3×75 mm	1	
	PH1 4,5×75 mm	1	
	PH2 6×100 mm	1	
Screwdriver tester	-	1	
Nippers	-	1	
Pliers	-	1	
Pliers	-	1	

## Tool set e.tool.set.8500.12

It is designed for locksmith work.



Contents of the kit		Quantity, pcs.	Product code
Straight slotted screwdrivers	0,5×3×75 mm	1	t009011
	0,8×4×100 mm	1	
	1×5,5×125 mm	1	
	1,2 × 6,5 × 150 mm	1	
	PH0 3×75 mm	1	
	PH1 4,5×75 mm	1	
	PH2 6×100 mm	1	
Phillips screwdrivers PH			

## Multimeters, lux meters, thermometers, rangefinders from the e.tool.multitest series

### Digital multimeter and multimeter pliers

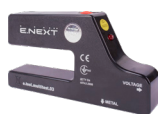
They are used to measure DC and AC voltage, DC current and resistance of electrical circuits. They are designed for domestic use.



Title	Maximum voltage between probe and ground, V	DC voltage measurement limits, V	Measurement limits AC voltages, V	Limits for resistance measurement, ohms	Accuracy of resistance measurement, %.	Product code
e.tool.multitest.01	1000	0,0001-500	0,0001-500	0,1-2×10 <sup>8</sup>	1,2	p0470020
e.tool.multitest.02		1-1000	1-750	0,1-2×10 <sup>3</sup>		p0470021

### Concealed wiring detector

It is designed to detect the presence of AC voltage or metal parts of the building (fittings and metal parts of the building).



Title	Diameter of detected metal rods, mm	Maximum detection depth, mm	Maximum stress detection depth, mm	Product code
e.tool.multitest.03	20	25	>110	p0470022

\*Battery: 6F22, 9 B (crown), not included.

### Digital mega-meter with multimeter function

It is used to measure voltage, current frequency and insulation resistance of wires. It is designed for domestic use.



Title	Power consumption, W	Operating temperature range, °C	Dimensions, mm	Power sources	Weight (incl. power sources), kg	Product code
e.tool.multitest.04	0,018-4,5	0...+40	170×156×64	Baterie AA 1,5 V 6 szt.	0,65	p0470023

### Digital lux meter

It is used to measure illuminance. It is designed for domestic use.



Title	Operating voltage range, V	Frequency, Hz	Dimensions, mm	Weight, kg	Product code
e.tool.multitest.05	60-600	20-400	85×64×23	0,2	p0470024



### Digital lux meter

It is used to measure illuminance. It is designed for domestic use.



Title	Display.	Value, Lk	Operating temperature range, °C	Dimensions, mm	Type power supply	Power supply	Product code
e.tool.multitest.06	1,5" LCD	2000, 20000, 50000	-10...+40	105×57×26	Baterie AAA - 3 pcs.	0,075	p0470025

\*Battery: not included.

### Digital thermometer

It is used to measure temperature with a function for storing maximum and minimum temperature values for the current measuring period. It is intended for domestic or similar use.



Title	Measuring range, °C	Measuring range, °F	Operating temperature range, °C	Supply element	Product code
e.tool.multitest.07	-40...+250	-40...+482	0...+50	LR44; 1,5 V	p0470026

\*Battery: not included.

### Laser rangefinder

It is used to measure distance, area and volume. It is designed for domestic or similar use.



Title	Units measures	Value, Lk	Measuring range, m	Measurement error, mm	Weight, kg	Operating temperature range, °C	Type power supply	Product code
e.tool.multitest.08	metr, stopa, cal	2000, 20000, 50000	0,03-40	±1	0,104	0...+40	Baterie AAA - 2 pcs.	p0470027

\*Battery: not included.

### Multimeters from the series e.tool.multitest.pro



Title	DC voltage measurement limits, V	Measurement limits AC voltages, V	Measurement limits for direct current, A	Limits for measuring AC current, A	Limits for resistance measurement, ohms	Product code
e.tool.multitest.pro.ET100	0,4-1000	0,4-750		0,04-10	400-4×10 <sup>7</sup>	p074001
e.tool.multitest.pro.ET102	0,06-1000	0,06-750		0,06-10	600-6×10 <sup>7</sup>	p074002
e.tool.multitest.pro.ET219	0,02-1000	0,02-750		0,02-20	200-2×10 <sup>8</sup>	p074003
e.tool.multitest.pro.ET300AB				0,06-10	600-6×10 <sup>7</sup>	p074004
























### Pyrometer



Title	Temperature range measurement, °C/°F	Ratio of measuring point to distance	Emissivity	Response time, s	Product code
e.tool.multitest.pro.EM320	-50...+380/-58...+716	12:1	0,1...1,0	0,5	p074005

## Organisers, boxes and crates toolboxes

Designed to store tools and parts.

Title	Description	Size, mm	Product code	
 e.toolbox.pro.01	toolbox	332×168×140	t011001	
 e.toolbox.pro.02		390×202×235	t011002	
 e.toolbox.pro.03		410×230×190	t011003	
 e.toolbox.pro.04		300×165×135	t011004	
 e.toolbox.pro.05		320×158×187	t011005	
 e.toolbox.pro.06		410×213×250	t011006	
 e.toolbox.pro.07		320×158×137	t011007	
 e.toolbox.pro.08		410×213×195	t011008	
 e.toolbox.pro.09		500×283×248	t011009	
 e.toolbox.pro.10		490×260×246	t011010	
 e.toolbox.pro.11		415×223×193	t011011	
 e.toolbox.pro.12	plastic organiser	240×170×40	t011012	
 e.toolbox.pro.13		320×255×50	t011013	
 e.toolbox.pro.14		340×320×50	t011014	
 e.toolbox.pro.15		273×231×62	t011015	
 e.toolbox.pro.16		420×295×60	t011016	
 e.toolbox.pro.17		270×200×50	t011017	
 e.toolbox.pro.18		267×157×262	t011018	
 e.toolbox.pro.19			t011019	
 e.toolbox.pro.20			t011020	
 e.toolbox.pro.21		381×157×475	t011021	
 e.toolbox.pro.22		t011022		
e.toolbox.pro.23		497×157×250	t011023	
e.toolbox.pro.24		381×157×475	t011024	
e.toolbox.pro.25		4-in-1 organiser set	278×203×160	t011025
 e.toolbox.pro.26		wall-mounted tool organiser	825×210×585	t011026

**CONNECTIONS**

**Plastic plugs and sockets of the e.professional range, IP44 Mobile power plugs, IP44**

They are used to connect construction equipment to the AC mains, power tools, industrial equipment, etc.



Title	Number of poles	Rated voltage,V	Rated current, A	Product code
e.plug.013.16	2P+PE	220	16	p011001
e.plug.014.16	3P+PE	220/380		p011004
e.plug.015.16	3P+N+PE			p011007
e.plug.023.32	2P+PE	220	32	p011002
e.plug.024.32	3P+PE	220/380		p011005
e.plug.025.32	3P+N+PE			p011008

**Mobile power sockets, IP44**



Title	Number of poles	Rated voltage,V	Rated current, A	Product code
e.socket.213.16	2P+PE	220	16	p012016
e.socket.214.16	3P+PE	220/380		p012017
e.socket.215.16	3P+N+PE			p012018
e.socket.223.32	2P+PE	220	32	p012019
e.socket.224.32	3P+PE	220/380		p012020
e.socket.225.32	3P+N+PE			p012021

**Fixed power sockets, IP44**



Title	Number of poles	Rated voltage,V	Rated current, A	Product code
e.socket.113.16	2P+PE	220	16	p012001
e.socket.114.16	3P+PE	220/380		p012004
e.socket.115.16	3P+N+PE			p012007
e.socket.123.32	2P+PE	220	32	p012002
e.socket.124.32	3P+PE	220/380		p012005
e.socket.125.32	3P+N+PE			p012008

**Built-in power sockets, IP44**



Title	Number of poles	Rated voltage,V	Rated current, A	Product code
e.socket.413.16	2P+PE	220	16	p012010
e.socket.414.16	3P+PE	220/380		p012012
e.socket.415.16	3P+N+PE			p012014
e.socket.423.32	2P+PE	220	32	p012011
e.socket.424.32	3P+PE	220/380		p012013
e.socket.425.32	3P+N+PE			p012015

**Plastic plugs and sockets e.professional series, IP67 Fixed power sockets, IP67**

It is designed to be connected to the AC mains under conditions of high humidity and dusty electrical equipment in buildings, industrial equipment, etc.



Title	Number of poles	Rated voltage,V	Rated current, A	Product code
e.socket.133.63	2P+PE	220	63	p012003
e.socket.134.63	3P+PE	220/380		p012006
e.socket.135.36	3P+N+PE			p012009

## Portable power sockets, IP67



Title	Number of poles	Rated voltage, V	Rated current, A	Product code
e.socket.pro.4.63	3P+PE	220/380	63	p012024
e.socket.pro.5.63	3P+N+PE		63	p012025
e.socket.pro.4.125	3P+PE		125	p012026
e.socket.pro.5.125	3P+N+PE		125	p012027

## Portable power plugs, IP67



Title	Number of poles	Rated voltage, V	Rated current, A	Product code
e.plug.033.63	2P+PE	220	63	p011003
e.plug.034.63	3P+PE	220/380		p011006
e.plug.035.63	3P+N+PE			p011009
e.plug.044.125	3P+PE	220/380	125	p011011
e.plug.045.125	3P+N+PE		p011012	

## Portable power plugs, IP67



Title	Number of poles	Rated voltage, V	Rated current, A	Product code
e.plug.013.16.67	2P+PE	230	16	i082001
e.plug.014.16.67	3P+PE	400		i082002
e.plug.015.16.67	3P+N+PE			i082003
e.plug.023.32.67	2P+PE	230	32	i082004
e.plug.024.32.67	3P+PE	400		i082005
e.plug.025.32.67	3P+N+PE			i082006

## Fixed power sockets, IP67



Title	Number of poles	Rated voltage, V	Rated current, A	Product code
e.socket.113.16.67	2P+PE	230	16	i082007
e.socket.114.16.67	3P+PE	400		i082008
e.socket.115.16.67	3P+N+PE			i082009
e.socket.123.32.67	2P+PE	230	32	i082010
e.socket.124.32.67	3P+PE	400		i082011
e.socket.125.32.67	3P+N+PE			i082012

## Portable power sockets, IP67



Title	Number of poles	Rated voltage, V	Rated current, A	Product code
e.socket.213.16.67	2P+PE	230	16	i082013
e.socket.214.16.67	3P+PE	400		i082014
e.socket.215.16.67	3P+N+PE			i082015
e.socket.223.32.67	2P+PE	230	32	i082016
e.socket.224.32.67	3P+PE	400		i082017
e.socket.225.32.67	3P+N+PE			i082018

## Portable household plugs and sockets, IP44

Designed for connecting domestic electrical appliances, power tools, etc. to the AC mains.



Title	Number of poles	Rated voltage, V	Rated current, A	Product code
e.plug.012.16	2P+PE	220	16	p011010
e.socket.212.16				p012022

### Portable sockets home

Designed to connect domestic electrical appliances and power tools to the AC mains



Title	Colour	Rated current, A	Rated voltage, V	Number of poles	Product code
e.socket.001.10.black	black	10	230	2P	p017002
e.socket.003.16.black		16		2P+PE	p017004
e.socket.001.10.white	white	10		2P	p017001
e.socket.003.16.white		16		2P+PE	p017003

### Plugs home

Designed to connect domestic electrical appliances and power tools to the AC mains.



Title	Colour	Number of poles	Rated voltage, V	Rated current, A	Product code
e.plug.001.10	white	2P	230	10	s9100001
e.plug.angle.007.16					s9100004
e.plug.angle.008.16	black	2P+PE		16	s9100005
e.plug.straight.003.16	white				s9100002
e.plug.straight.004.16	black	2P	10	s9100003	
e.plug.002.10				s9100045	
e.plug.angle.005.16	white	2P+PE	16	s9100046	
e.plug.angle.006.16 (angle)	black			s9100047	
e.plug.angle.009.16 (angle with switch)	white			s9100048	

### T-pieces/"thieves"

All T-connectors are fitted with 'Baby protect' protective curtains to prevent any foreign objects, except the electrical plug, from entering the socket. They are designed to connect to the AC supply of domestic electrical appliances and power tools.



Title	Colour	Number of poles	Rated voltage, V	Rated current, A	Product code
Household T- piece e.socket.002.10.2, 2 sockets	white	2P	10	230	s9100052
Household T- piece e.socket.003.10.2, 3 sockets					s9100053
Household T- piece e.socket.002.16.3, 2 sockets		2P+PE	16		s9100054
Household T- piece e.socket.003.16.3, 3 sockets					s9100055

### Extension cassette extension cords without earthing contact

They are designed for non-stationary connection of consumers to 230 V AC mains with a total load current of no more than 10 A.



Title	Number sockets	Cable length, m	Safety curtains	Switch	Product code
e.es.3.1.5.b	3	1,5	+	-	s042120
e.es.3.3.b		3			s042058
e.es.3.5.b		5			s042059
e.es.3.7.b		7			s042121
e.es.4.3.b	4	3			s042062
e.es.4.5.b		5			s042063
e.es.5.3.b	5	3			s042066
e.es.5.5.b		5			s042067

### Extension cassette with earthing contact

They are designed for non-stationary connection of consumers to 230 V AC mains with a total load current of no more than 16 A.



Title	Number sockets	Cable length, m	Safety curtains	Switch	Product code
e.es.3.1.5.z.b	3	1,5	+	-	s042122
e.es.3.3.z.b		3		-	s042004
e.es.3.5.z.b		5		-	s042005
e.es.3.3.z.s.b		3		+	s042007
e.es.3.5.z.s.b		5		+	s042008
e.es.3.7.z.b		7		-	s042123
e.es.4.3.z.b	4	3		-	s042010
e.es.4.5.z.b		5		-	s042011
e.es.4.3.z.s.b		3		+	s042013
e.es.4.5.z.s.b		5		+	s042014
e.es.5.3.z.b	5	3		-	s042016
e.es.5.5.z.b		5		-	s042017
e.es.5.3.z.s.b		3	+	s042019	
e.es.5.5.z.s.b		5	+	s042020	

### Extension cords drums

They are designed for non-stationary connection of consumers to 230 V AC mains with a total load current of no more than 16 A.



Title	Number of sockets	Cable length, m	Product code
e.es.roll.4.25.z.b	4	25	s042096
e.es.roll.4.50.z.b		50	s042097

**AQUA series electrical installation products for outdoor installation, IP44, IP20**



Title	Description	Product code
e.aqua.1111.gr	Single-button switch for outdoor installation, IP44	s035051
e.aqua.1112.gr	Two-button switch for outdoor installation, IP44	s035052
e.aqua.1121.gr	Single-button switch for outdoor installation, IP44	s035053
e.aqua.1230.gr	Single-socket for outdoor installation, IP20	s035054
e.aqua.1231.gr	Single socket with white cover for outdoor installation, IP54	s035056
e.aqua.1231.grt	Single socket with transparent cover for outdoor mounting, IP54	s035058
e.aqua.1232.gr	Double socket with white cover for outdoor installation, IP54	s035057
e.aqua.1232.grt	Double socket with transparent cover for outdoor installation, IP54	s035059
e.aqua.1233.gr	Double socket for outdoor installation, IP20	s035055

## FREQUENCY CONVERTERS

### Frequency converters e.f- drive.stand

Designed for basic motor control tasks. Key benefits: compact design, information display, built-in motor protection functions.



Title	Input			Output			Product code
	Voltage, V	Current, A	Frequency, Hz	Voltage, V	Current, A	Frequency, Hz	
e.f-drive.stand.0R4s 0,4kW	1×220	5,9	50/60	3×220	2,5	0~999	s069001
e.f-drive.stand.0R7s 0,75kW	1×220	8,3		3×220	4		s069002
e.f-drive.stand.1R5s 1,5kW	1×220	14,1		3×220	7		s069003
e.f-drive.stand.2R2s 2,2 kW	1×220	23		3×220	10		s069004
e.f-drive.stand.0R7 0,75kW	3×380	4,3		3×380	2,5		s069005
e.f-drive.stand.1R5 1,5 kW	3×380	5,2		3×380	3,7		s069006
e.f-drive.stand.2R2 2,2 kW	3×380	6		3×380	5,1		s069007
e.f-drive.stand.4R0 4kW	3×380	14,8		3×380	9		s069008
e.f-drive.stand.5R5 5,5 kW	3×380	21,3		3×380	13		s069009

### Additional accessories



Title	Product code
Mounting panel for remote operator console e.f-drive.panel	s069101

### Frequency converters e.f- drive.pro

Designed to solve complex motor control tasks. State-of-the-art software, protective plate coating, split ventilation system and integrated EMC filter allow use in harsh environments.



Title	Input			Output				Product code
	Voltage, V	Current, A	Frequency, Hz	Voltage, V	Current, A	Frequency, Hz		
						FVC	V/F	
e.f-drive.pro.0R7 0,75 kW	3×380	3,4	50/60	3×380	2,1	0~300	0~3200	p0800102
e.f-drive.pro.1R5 1,5 kW		5			3,8			p0800103
e.f-drive.pro.2R2 2,2 kW		5,8			5,1			p0800104
e.f-drive.pro.4R0 4kW		10,5			9			p0800105
e.f-drive.pro.5R5 5,5 kW		14,6			13			p0800106
e.f-drive.pro.7R5 7,5 kW		20,5			17			p0800107
e.f-drive.pro.11 11kW		26			25			p0800108
e.f-drive.pro.15 15kW		35			32			p0800109
e.f-drive.pro.18 18,5 kW		42			37			p0800110
e.f-drive.pro.22 22kW		50			45			p0800111
e.f-drive.pro.30 30kW		68			60			p0800112
e.f-drive.pro.37 37kW		83			75			p0800113
e.f-drive.pro.45 45kW		102			91			p0800114
e.f-drive.pro.55 55kW		124			112			p0800115
e.f-drive.pro.75 75kW		169			150			p0800116
e.f-drive.pro.90 90kW		203			176			p0800117
e.f-drive.pro.110 110kW		248			210			p0800118
e.f-drive.pro.132 132kW		256			253			p0800119
e.f-drive.pro.160 160kW		307			304			p0800120
e.f-drive.pro.185 185kW		305			340			p0800121
e.f-drive.pro.200 200kW	365	377	p0800122					
e.f-drive.pro.220 220kW	410	426	p0800123					

### Additional accessories



Title	Product code
Operator panel cable e.f-drive.cable.1.pro 1m	i0800155
Operator panel cable e.f-drive.cable.2.pro 2m	i0800156
Operator panel cable e.f-drive.cable.3.pro 3m	i0800157
Operator panel cable e.f-drive.cable.5.pro 5m	i0800158
Mounting panel for remote operator console e.f-drive.panel.pro	i0800200



# E.NEXT

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