

# Motor protective circuit breakers

## Motorsko zaščitno stikalo MPE 25

Rated current  
0,16 - 32 A



### Advantages

- With overload and short circuit protection
- Fixed short circuit release  $12 \times I_u$
- With phase-failure sensitivity according to IEC/EN 60947-4-1
- With temperature compensation
- Can be used as main switch
- MPE25 up to 10A at 400/415V are self-protected
- MPE25 above 10A provide a breaking capacity of 50kA at 400/415V according to IEC/EN 60947-2

### Motor protective circuit breaker MPE25


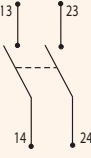
type	code No.	operational inst. current $I_u$ (A)	setting overl. release $I_r$ (A)	short-circuit release $I_{rm}$ (A)	weight [g]	packaging [pcs]
MPE25-0,16	004648001	0.16	0,1-0,16	1.9	322	1
MPE25-0,25	004648002	0.25	0,16-0,25	3	322	1
MPE25-0,40	004648003	0.4	0,25-0,4	4,8	322	1
MPE25-0,63	004648004	0.63	0,4-0,63	7,5	322	1
MPE25-1,0	004648005	1	0,63-1,0	12	322	1
MPE25-1,6	004648006	1.6	1,0-1,6	19	322	1
MPE25-2,5	004648007	2.5	1,6-2,5	30	322	1
MPE25-4,0	004648008	4	2,5-4,0	48	322	1
MPE25-6,3	004648009	6.3	4,0-6,3	75	322	1
MPE25-10	004648010	10	6,3-10	120	322	1
MPE25-16	004648011	16	10-16	190	322	1
MPE25-20	004648012	20	16-20	240	322	1
MPE25-25	004648013	25	20-25	300	322	1
MPE25-32	004648014	32	25-32	384	322	1

### Front mountable auxiliary contact block, the 45mm widths - MPE remain unchanged

type	code No.	wiring diagram	auxiliary contacts NO, NC	weight [g]	packaging [pcs]
ACBFE-11	004648021		1, 1	20	1

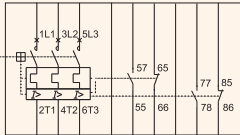
Motor protective circuit breakers

Left side mountable contact block, can be combined with front mountable auxiliary contact block

type	code No.	wiring diagram	auxiliary contacts NO, NC	weight [g]	packaging [pcs]
ACBSE-11	004648022		1,1	38	1
ACBSE-20	004648023		2,0	38	1

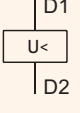


Trip indicating contact block, mounted on the left side

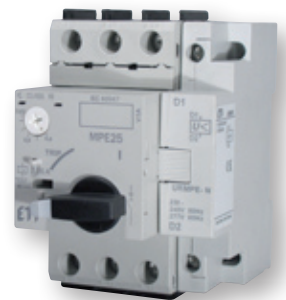
type	code No.	wiring diagram	notes	weight [g]	packaging [pcs]
TBSE	004648024		Separate tripped and short-circuit 1NC for each circuit. Allows mounting with lateral aux. contact block. Left side mounting. TBSE alarms, 1NO +	150	1



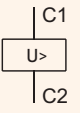
Undervoltage release, mounted on the right side

type	code	wiring diagram	actuating voltages	weight [g]	packaging [pcs]
URMPE-N	004648027		230-240V AC	115	1
URMPE-U	004648028		400-415V AC		

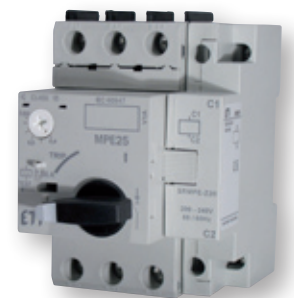
Pick-up voltage >0,85 x Ue Drop-out voltage 0,35-0,7 x Ue 100%DF



Shunt release, mounted on the right side

type	code No.	wiring diagram	actuating voltages	weight [g]	packaging [pcs]
SRMPE-Z20	004648030		200-240V AC	115	1

Pick-up voltage 0,7 x Ue 100%DF





Accessories				
type	code No.	description	weight [g]	packaging [pcs]
SCMPE	004648025	Scale cover	15	5
PLMPE	004648026	Push-in-lugs	25	5



Insulated enclosure with black/grey rotary handle, IP55					
for use with	code No.	notes	type	weight [g]	packaging [pcs]
MPE25 + ACBFE11 + ACBSE11 ali ACBSE20 + PL..	004648032	with black/grey rotary handle with integrated PE(N) terminal	MPEE55G	365	1
MPE25 + URMPE ili SRMPE + ACBFE11 + ACBSE11 ali ACBSE20 + PL..	004648033	locable in OFF position with 3 padlocks two M25 metric cable entry knockout, top and bottom	MLPEE55G	415	1



Insulated enclosure with red/yellow rotary handle, IP55					
for use with	code No.	notes	type	weight [g]	packaging [pcs]
MPE25 + ACBFE11 + ACBSE11 ali ACBSE20 + PL..	004648034	with red/yellow rotary handle for use as Emergency-Stop switches to IEC/EN 60204 with integrated PE(N) terminal	MPEE55G-E	365	1
MPE25 + URMPE ili SRMPE + ACBFE11 + ACBSE11 or ACBSE20 + PL..	004648035	locable in OFF position with 3 padlocks two M25 metric cable entry knockout, top and bottom	MLPEE55G-E	415	1

Neutral terminal					
for use with	code No.	description	type	weight [g]	packaging [pcs]
MPEE55G, MLPEE55G, MPEE55G-E in MLPEE55G-E	004648038	for connection of a 5th conductor	NL-MPEE	365	1

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Flush mounting enclosure

type	code No.	colour	description	weight [g]	packaging [pcs]
FMEE55	004648036	black	- for MPE mounting on panel door - degree of protection IP55 - moulded plastic front plate with rotary operating mechanism	200	1
FMEE55-E	004648037	red/yellow	- lockable in OFF position - allows access. ACBFE-11, ACBSE-11 or ACBSE-20 and URMPE / SRMPE - allow instalation of sig. lamp	200	1

Door coupling rotary handle black/grey and red/yellow, IP55

type	code No.	colour	notes	weight [g]	packaging [pcs]
RMMPE130 (130 mm)	004648039	black	- extension shaft, lenght 130 to 155mm - extension shaft, lenght 330 to 355mm	76	1
RMMPE330 (330 mm)	004648040		- door coupling rotary handle black/grey - extension shaft can be cut of any required lenght min. 80mm	114	
RMMPE130E (130 mm)	004648041	red/yellow	- thickness of panel door 1 to 3,5mm - for use of main switch IEC/EN60204 - ON/OFF/Tripped position	76	1
RMMPE330E (330 mm)	004648042		- lockable in OFF pos. with 3 padlocks - the MPE can also be used turned 90°	114	

Indicator light

type	code No.	notes	colour	weight [g]	packaging [pcs]
PLE230 PLE400	004648043 004648044	voltage: 210...230V voltage: 400...560V	red	17	10
PLE230G PLE400G	004648045 004648046	voltage: 210...230V voltage: 400...560V	green		
PLE230W PLE400W	004648047 004648048	voltage: 210...230V voltage: 400...560V	white		

Circuit breaker-contactor link module

type	code No.	notes	for use with	weight [g]	packaging [pcs]
ECCMPE07	004648052	for electrical and mechanical linking motor protective circuit breaker	CE07	27	1
ECCMPE25	004648053	MPE25 and contactor	CEM9...25		



## Motor protective circuit breaker MS25, MST25

Main application field: control (start-up, protection and switch-off) of AC electric motors with powers up to 11 kW (380/400 V) or other consumers up to 25 A; it can also be used as the main switch according to EN 60204 or VDE 0113 standards.

### Versions:

- MS25 - with overload and short circuit protection
- MST25 - with overload protection

### Manual control:

- START, STOP, push-buttons
- Test of release function (TEST)

- Phase-failure sensitivity according to IEC/EN 60947-4-1
- Automatic switch-off with thermal or magnetic release
- Control with under-voltage release or shunt release
- Isolating distance between contacts: 4.5 mm per contact place
- Možnost priključitve togega ali finožičnega vodnika
- Simple and fast mounting by snap fitting on 35 mm wide mounting rail in compliance with EN 60715; fixing with two screws is also possible
- Vertical or horizontal operation position



### Motor protective circuit breaker MS25

type	code No.	operational inst. current I <sub>u</sub> (A)	setting overl. release I <sub>r</sub> (A)	weight [g]	packaging [pcs]
MS25-0,16	004600010	0.16	0,1-0,16	255	1
MS25-0,25	004600020	0.25	0,16-0,25	255	1
MS25-0,40	004600030	0.4	0,25-0,4	255	1
MS25-0,63	004600040	0.63	0,4-0,63	255	1
MS25-1,0	004600050	1	0,63-1,0	255	1
MS25-1,6	004600060	1.6	1,0-1,6	255	1
MS25-2,5	004600070	2.5	1,6-2,5	255	1
MS25-4,0	004600080	4	2,5-4,0	255	1
MS25-6,3	004600090	6.3	4,0-6,3	255	1
MS25-10	004600100	10	6,3-10	255	1
MS25-16	004600110	16	10-16	255	1
MS25-20	004600120	20	16-20	255	1
MS25-25	004600130	25	20-25	255	1

### Motor protective circuit breaker MST25

type	code No.	operational inst. current I <sub>u</sub> (A)	setting overl. release I <sub>r</sub> (A)	weight [g]	packaging [pcs]
MST25-0,4	004600530	0,4	0,25-0,4	252	1
MST25-0,63	004600540	0,63	0,4-0,63	252	1
MST25-1,0	004600550	1	0,63-1,0	252	1
MST25-1,6	004600560	1,6	1,0-1,6	252	1
MST25-2,5	004600570	2,5	1,6-2,5	252	1
MST25-4,0	004600580	4	2,5-4,0	252	1
MST25-6,3	004600590	6,3	4,0-6,3	252	1
MST25-10	004600600	10	6,3-10	252	1
MST25-16	004600610	16	10-16	252	1
MST25-20	004600620	20	16-20	252	1
MST25-25	004600630	25	20-25	252	1

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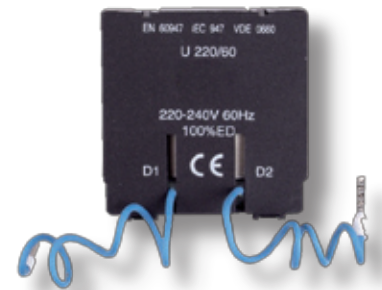
Auxiliary switch for lateral mounting PS

Auxiliary switch for lateral mounting PS					
Type	code No.	wiring diagram	auxiliary contacts NO, NC	weight [g]	packaging [pcs]
PS 20	004600160		2,0	30	1/10
PS 01	004600150		0,1	30	1/10
PS 10	004600140		1,0	30	1/10
PS 11	004600130		1,1	30	1/10



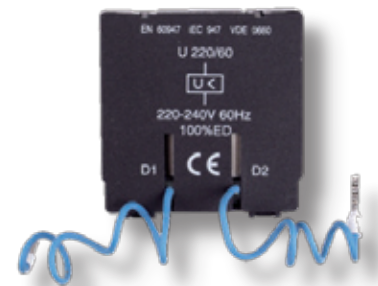
Shunt release

Shunt release					
Type	code No.	wiring diagram	actuating voltages	weight [g]	packaging [pcs]
A 220	004600170		220V-240V	30	1/10



Undervoltage release

Undervoltage release					
Type	code No.	wiring diagram	actuating voltages	weight [g]	packaging [pcs]
U 220	004600180		220V-240V	30	1/10



Enclosure O Front plate CP

Enclosure O Front plate CP				
Type	code No.	IP	weight [g]	packaging [pcs]
O - 41	004600190	41	25	1
O - 55	004600200	55	25	1
CP - 41	004600210	41	20	1
CP - 55	004600220	55	20	1



O-IP41/55



CP-IP41/55

Emergency stop push-button



Emergency stop push-button

Type	code No.	weight [g]	packaging [pcs]
NAT	004600270	15	1/20
NAT-lock	004600280	20	1/20

Padlocking feature Z



Padlocking feature Z

Type	code No.	weight [g]	packaging [pcs]
Z	001180260	30	1/10

Neutral link NL



Neutral link NL

Type	code No.	weight [g]	packaging [pcs]
NL	004600330	10	1/10

Signal lamp SS



Signal lamp SS

Type	code No.	colour	weight [g]	packaging [pcs]
SS B 400V	004600230	white	10	1/10
SS R 400V	004600240	red	10	1/10
SS Z 400V	004600250	green	10	1/10