

## Motor protective circuit breakers

### 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 installation 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, length 130 to 155mm - extension shaft, length 330 to 355mm	76	1
RMMPE330 (330 mm)	004648040		- door coupling rotary handle black/grey - extension shaft can be cut at any required length 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 MPE25

General technical data				
Standards		IEC/EN 60 947		
Climatic proffing		damp heat, constant to IEC 60 068-2-3 damp heat, cyclical to IEC 60 068-2-30		
Ambient temperature	Storage	°C	-50 ... +80	
	Open	°C	-20 ... +70	
	Enclosed	°C	-20 ... +35	
Mounting position		any position		
Degree of protection		IP20		
Protection against direct contact		IP20		
Shock resistance to IEC 60 068-2-27		g	15	
Altitude		m	2000	
Conductor cross-section for main circuit	solid	mm <sup>2</sup>	1 x (1,5 ... 6) / 2 x (1,5 ... 6)	
	stranded	mm <sup>2</sup>	2 x (1,5 ... 6) / 2 x (1,5 ... 6)	
Tightening torque	main circuits	Nm	2,0 ... 2,5	
	control circuits	Nm	1,0 ... 1,25	
Main contacts				
Rated impulse withstand voltage U <sub>imp</sub>		kV	6	
Overvoltage categ./pollution degree		III/3		
Rated operational voltage U <sub>e</sub>		V	690	
Rated operational current I <sub>e</sub>		25 or setting current of overload release		
Rated frequency		Hz	50/60	
Current heat losses, 3-pole at oper. T	W		5 (MPE25-0,1 - MPE25-0,63)	
	W		6 (MPE25-1 - MPE25-6,3)	
	W		7 (MPE25-10)	
	W		8 (MPE25-16 - MPE25-25)	
	W		10 (MPE25-32)	
Life span, mechanical = electrical		Ops.	100.000	
Maximum operating frequency		Ops./h	15	
Releases				
Temperature compensation		°C	-20 ... +60	
Adjustable overload releases		x I <sub>u</sub>	0,6 - 1	
Fixed short circuit releases		x I <sub>u</sub>	12	
Phase failure sensitivity		IEC/EN 60 947-4-1		
Auxiliary contacts				
Rated impulse withstand voltage		kV	6	
Overvoltage category/pollution degree		III/3		
Rated operational voltage		V	690 (250 -> ACBFE...)	
Rated operational current				
AC-15	24V	I <sub>e</sub>	A	6 (2 -> ACBFE)
	230V	I <sub>e</sub>	A	4 (0,5 -> ACBFE)
	380V-415V	I <sub>e</sub>	A	3 (0 -> ACBFE)
	440V-500V	I <sub>e</sub>	A	2 (0 -> ACBFE)
DC-13	24V	I <sub>e</sub>	A	2 (1 -> ACBFE)
	60V	I <sub>e</sub>	A	0.5 (0,15 -> ACBFE)
	110V	I <sub>e</sub>	A	0.5 (0 -> ACBFE)
	220V	I <sub>e</sub>	A	0.25 (0 -> ACBFE)
Control circuit reliability at U <sub>e</sub>		U <sub>min</sub> = 17V, I <sub>min</sub> = 5mA		
Fault probability		< 1 fault in 1 million operations		
Short-circuit rating without welding		Fuse gG	A	10
Conductors cross-section for auxiliary and control circuits		solid or stranded	mm <sup>2</sup>	1 x (0,5 ... 2,5) / 2 x (0,5 ... 2,5)