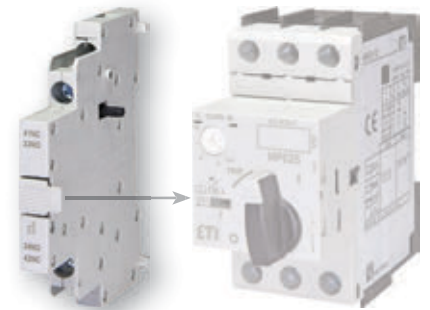


## Motor protective circuit breakers

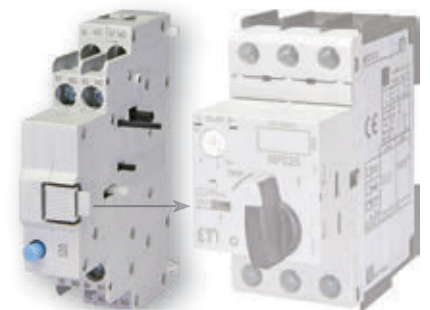
### Left side mountable contact block, can be combined with front mountable auxiliary contact block

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

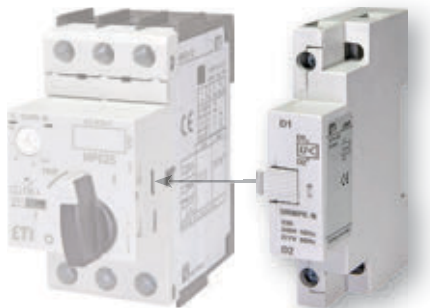
Type	Code No.	Wiring diagram	Notes	Weight [g]	Packaging [pcs]
TSBE	004648024		Separate tripped and short-circuit 1NC for each circuit. Allows mounting with lateral aux. contact block. Left side mounting. TBSE alarms, 1NO +	150	1



### Undervoltage release, mounted on the right side

Type	Code No.	Wiring diagram	actuating voltages	Weight [g]	Packaging [pcs]
URMPE-N	004648027		230-240V AC	115	1
URMPE-U	004648028		400-415V AC		

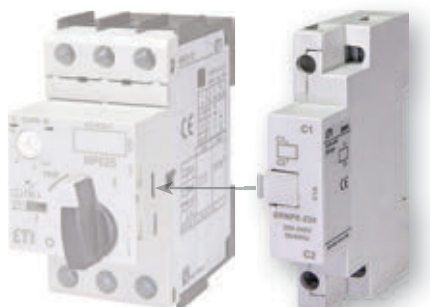
Pick-up voltage  $>0,85 \times U_e$  Drop-out voltage  $0,35-0,7 \times U_e$  100%DF



### 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  $0,7 \times U_e$  100%DF



## 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)	