

Manual Motor Protector and Magnetic Motor Protector Combinations System PKZ0 - Overview

UL / CSA ; IEC / EN 60 947 ; CE

Basic devices

Manual motor protector	1
Thermal-magnetic motor protector	
Rated operational current up to 25 A	
Max. 3 phase HP rating: 15/20 @ 460/575 V AC	
UL listed, CSA certified Type E, manual self-protected combination motor controller	
Suitable for tap conductor protection in group installations per NEC 430.53	
UL listed for group installations per NEC 430-53, CSA certified for group installations per CEC part 1, 28-206	
High short-circuit rating: up to 50 kA @ 600 V AC	
UL listed, CSA certified, in conformity with IEC/EN 60 947, CE marked	
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Magnetic motor protector combination	8
Thermal-magnetic motor protector (1) combined with the magnetic contactor module (4) on a clip plate, suitable for DIN rail mounting (EN 50 022).	
Max. rating: 7½ HP @ 460 V AC, 10 HP @ 575 V AC	
UL listed for group installations per NEC 430-53, CSA certified for group installations per CEC part 1, 28-206	
High short-circuit rating: up to 50 kA @ 600 V AC	
UL listed, CSA certified, in conformity with IEC/EN 60 947, IEC/EN 947-4-1 rated for Type 1 coordination, CE marked	
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Magnetic motor protector combination with high-capacity contactor	9
Thermal-magnetic motor protector (1) combined with the high-capacity magnetic contactor module (5) on a clip plate, suitable for DIN rail mounting (EN 50 022).	
Max. rating: 7½ HP @ 460 V AC, 10 HP @ 575 V AC	
UL listed for group installations per NEC 430-53, CSA certified for group installations per CEC part 1, 28-206	
High short-circuit rating: up to 50 kA @ 600 V AC	
UL listed, CSA certified, in conformity with IEC/EN 60 947, IEC/EN 947-4-1 rated for Type 2 coordination, CE marked	
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Add-on functions

Magnetic contactor module	4
AC and DC operated versions	
Supplied with 1 N.O./1 N.C. or 2 N.O. contacts	
Plugs into load side of motor protector or can be separately mounted	
Rated 7½ HP @ 460 V AC, 10 HP @ 575 V AC	
UL listed with PKZM0 motor protector for group installations per NEC 430-53, CSA certified with PKZM0 for group installations per CEC part 1, 28-206	
IEC 60 947-4-1 rated for type "1" coordination	
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High-capacity magnetic contactor module	5
Same approvals and features as above, except: internal current limitation feature to increase short-circuit current rating and self-protection characteristics per IEC/EN 60 947.	
IEC 60 947-4-1 rated for type "2" coordination	
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Current limiter module	2
Increases short-circuit current rating of PKZM0	
Fuseless current-limiting set of contacts housed in a module	
Mounts directly beneath or ahead of the PKZM0	
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Auxiliary contacts	3
Signals ON/OFF status of PKZM0 motor protector and motor protector+contactor combination	
Trip indicating contacts which differentiate between overload and short-circuit tripping	
Early-make contacts for use with undervoltage trips	
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Voltage trips	7
Undervoltage trips	
Shunt trips	
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Mounting accessories

Mounting/wiring	10
Clip plate, onto which the compact motor protector combinations are mounted	
Suitable for DIN rail mounting (EN 50 022)	
Other mounting/ wiring hardware:	
<ul style="list-style-type: none"> • adapters for direct busbar feeds in control panels • mounting and wiring system MVS... to combine PKZM0 protectors with DILM magnetic contactors 	
Refer to page 08/020 for additional details on these mounting and wiring accessories	
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Door coupling handle	8
Rated IP 65 / NEMA/UL 12, 3R	
3 positions: ON/OFF/Tripped	
Door interlocking feature and padlockable with up to 3 padlocks (also available without door interlocking or padlocking feature)	
Extension with plug-in extension shaft	
Black, or Red/Yellow for Emergency-stop function	
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