

Manual Motor Protectors, Magnetic Motor Protector Combinations and Type E Self-protected Combination Starters: Overview - System PKZ 2

UL / CSA ; IEC / EN 60 947 ; CE

Basic devices		Add-on functions		Mounting accessories	
Manual motor protector	1	Auxiliary contact modules	10	Mounting/wiring	2
Thermal-magnetic motor protector		Signals On/Off status of PKZ 2/ZM motor protector and PKZ 2/ZM-.../S motor protector + contactor combination		Clip plate onto which combinations of the PKZ 2/ZM-... motor protector and S-PKZ 2 magnetic contactors are mounted to form motor protector combinations	
Adjustable thermal and magnetic trips		Trip indicating contacts which differentiate between overload and short-circuit tripping		Suitable for DIN rail mounting (EN 50 022). Can also be panel mounted with screws.	
Ambient compensated, phase-failure sensitive		→ page 08/036		Other mounting/wiring hardware: – adapters for direct busbar feeds in control panels – 3 phase bus connectors to eliminate the need for daisy-chain wiring of motor protector combinations	
Rated up to 42 A				→ page 08/041	
Max. 3 phase HP rating: 30 @ 460/575 V AC		Current limiters	8		
UL listed for group installations per NEC 430-53 CSA certified for group installations per CEC part 1, 28-206		Fuseless, current-limiting set of contacts housed in a module			
High short-circuit rating: up to 65kA/42kA @ 480/600 V AC		Increases short-circuit current rating of the PKZ 2/ZM up to 100 kA @ 500 V AC for IEC/EN applications			
CE marked		Plugs directly into the PKZ 2/ZM or can be mounted separately			
→ page 08/028		→ page 08/036			
		Voltage trip modules	4	Door/cover mounted handle	9
PKZ2	1	Undervoltage trip modules – with early-make auxiliary contacts – with drop-off delay and early-make auxiliary contacts		Rated IP 65, NEMA/UL 12, 3R	
Stand-alone starter (no backup protection required) with maximum continuity of service (protects itself and load against damage from fault currents).		Shunt trip module		3 positions: On - Off - Tripped	
UL listed, CSA certified with interrupting ratings: 65kA @ 480Y/277V AC, 42kA @ 600Y/347V AC		Mounts on the side of the PKZ 2/ZM motor protector		Door interlocking feature and padlockable with up to 3 padlocks	
Compact unitized design rated max: 30Hp @ 460V AC; 25Hp @ 575V AC		→ page 08/038		Plug-in extension shaft to accommodate various mounting depths	
Plug-in trip modules can be removed/installed without disturbing power source. Removal provides visible open circuit gap between disconnect and contactor portions.				Black, or red/yellow for Emergency-Stop function	
All live parts, including terminals, are finger-safe.				→ page 08/046	
→ page 08/032 and Section 03 of this catalog		Remote control drive	5	Corrosion-resistance enclosures	3
		Electrically turns PKZ 2/ZM motor protector On and Off		Made of high industrial grade insulating material to house manual motor protectors and magnetic motor protector combinations	
		Electrically resets PKZ 2/ZM motor protector from tripped position		UL/NEMA 12, IEC IP 40 and IP 54 environmental ratings with cover interlocked operating handle	
		Available in both AC and DC models		→ page 08/046	
		Has HAND and AUTO settings for maximum flexibility			
		HAND and AUTO positions are also signalled with an auxiliary contact			
		HAND position can be padlocked Off			
		Type RS-PKZ 2 can be directly energized by a 24 V DC output from a PLC			
		→ page 08/040			
		High capacity magnetic contactor module	7		
		Internal current limiting feature to increase short-circuit current rating and self-protection characteristics			
		AC or 24 V DC operated versions			
		AC supplied with 1 N.O./1 N.C. or 2 N.O. contacts			
		Plugs into the load side of the PKZ 2/ZM protector to create PKZ 2/ZM-.../S magnetic protector combination			
		Max. 3 phase HP rating: 30 @ 460/575 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 65kA/42kA @ 480/600 V AC			
		IEC 60 947-4-2 rated for Type 2 coordination			
		UL listed, CSA certified, in conformity with IEC/EN 60 947			
		CE marked			
		→ page 08/042			