Motor-Protective Circuit-Breakers, 3-pole, Ir = 0.25 - 0.4 A, screw/spring clamp connection, rotary handle lockable



Part no. PKZM0-0,4-SC/AK 265347

General specifications	
Product name	Eaton Moeller® series PKZM0 Motor-protective circuit-breaker
Part no.	PKZM0-0,4-SC/AK
EAN	4015082653477
Product Length/Depth	77 millimetre
Product height	93 millimetre
Product width	45 millimetre
Product weight	0.29 kilogram
Certifications	IEC/EN 60947-4-1 IEC/EN 60947 CSA-C22.2 No. 60947-4-1-14 CSA Class No.: 3211-05 UL Category Control No.: NLRV UL 60947-4-1 CE UL UL File No.: E36332 VDE 0660 CSA File No.: 165628 CSA
Product Tradename	PKZM0
Product Type	Motor-protective circuit-breaker
Product Sub Type	None
Catalog Notes	This item can only be ordered until December 31, 2023 with a maximum delivery date of May 31, 2024.
Features & Functions	
Actuator type	Turn button
Features	Phase-failure sensitivity (according to IEC/EN 60947-4-1, VDE 0660 Part 102)
Functions	Motor protection Phase failure sensitive
Number of poles	Three-pole
General information	
Connection	Screw terminals on feed side Spring-cage terminals on output side
Degree of protection	Terminals: IP00 IP20
Explosion safety category for dust	ATEX dust-ex-protection, PTB 10, ATEX 3013, Ex II(2) GD
Lifespan, electrical	100,000 operations (at 400V, AC-3)
Lifespan, mechanical	100,000 Operations (Main conducting paths)
Mounting position	Can be snapped on to IEC/EN 60715 top-hat rail with 7.5 or 15 mm height.
Operating frequency	40 Operations/h
Overvoltage category	III
Pollution degree	3
Product category	Motor protective circuit breaker
Protection	Finger and back-of-hand proof, Protection against direct contact when actuate from front (EN 50274)
Rated impulse withstand voltage (Uimp)	6000 V AC
Shock resistance	25 g, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms
Suitable for	Also motors with efficiency class IE3
Temperature compensation	-5 - 40 °C to IEC/EN 60947, VDE 0660 -25 - 55 °C, Operating range \leq 0.25 %/K, residual error for T > 40°
Climatic environmental conditions	
Altitude	Max. 2000 m
Ambient operating temperature - min	-25 °C

55 °C
25 °C
40 °C
40 °C
80 °C
Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
1 x (1 - 6) mm², ferrule to DIN 46228, Screw terminals 2 x (1 - 6) mm², ferrule to DIN 46228, Screw terminals
$1\times(0.75$ - 2.5) mm², without ferrule, Spring-loaded terminals $2\times(0.75$ - 2.5) mm², without ferrule, Spring-loaded terminals $1\times(0.75$ - 2.5) mm², ferrule to DIN 46228, Spring-loaded terminals $2\times(0.75$ - 2.5) mm², ferrule to DIN 46228, Spring-loaded terminals
$2 \times (0.75 - 2.5) \text{ mm}^2$, Spring-loaded terminals $1 \times (0.75 - 2.5) \text{ mm}^2$, Spring-loaded terminals
18 - 14
10 mm
1.7 Nm, Screw terminals, Main cable
50 Hz
60 Hz
0.4 A
0.06 kW
0.09 kW
0.12 kW
0.12 kW
0.18 kW
690 V
690 V
0.4 A
150 kA
60 kA DC, up to 250 V DC, Main conducting paths
± 20% tolerance, Trip blocks 6.2 A, Irm, Setting range max. Basic device fixed 15.5 x lu, Trip Blocks
0.4 A, AC-3 up to 690 V 0.4 A (3 contacts in series), DC-5 up to 250V
0.25 A
0.4 A
5.22 W
0 W
1.74 W
0.4 A
0 W
Meets the product standard's requirements.
Does not apply, since the entire switchgear needs to be evaluated.
Does not apply, since the entire switchgear needs to be evaluated.

10.4 Clearances and creepage distances	Meets the product standard's requirements.
10.5 Protection against electric shock	Does not apply, since the entire switchgear needs to be evaluated.
10.6 Incorporation of switching devices and components	Does not apply, since the entire switchgear needs to be evaluated.
10.7 Internal electrical circuits and connections	Is the panel builder's responsibility.
10.8 Connections for external conductors	Is the panel builder's responsibility.
10.9.2 Power-frequency electric strength	Is the panel builder's responsibility.
10.9.3 Impulse withstand voltage	Is the panel builder's responsibility.
10.9.4 Testing of enclosures made of insulating material	Is the panel builder's responsibility.
10.10 Temperature rise	The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
10.11 Short-circuit rating	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.12 Electromagnetic compatibility	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.13 Mechanical function	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

Technical data ETIM 9.0

Technical data ETIM 9.0					
Low-voltage industrial components (EG000017) / Motor protection circuit-breaker (EC000074)					
Electric engineering, automation, process control engineering / Low-voltage switch technology / Circuit breaker (LV < 1 kV) / Motor protection circuit-breaker (ecl@ss13-27-37-04-01 [AGZ529021])					
Overload release current setting		Α	0.25 - 0.4		
Adjustment range undelayed short-circuit release		Α	6.2 - 6.2		
With thermal overload protection			No		
Phase failure sensitive			Yes		
Switch off technique			Thermomagnetic		
Rated operating voltage		V	690 - 690		
Rated permanent current lu		Α	0.4		
Rated operation power at AC-3, 230 V		kW	0.06		
Rated operation power at AC-3, 400 V		kW	0.09		
Power loss		W	5.22		
Type of electrical connection of main circuit			Screw connection		
Type of control element			Turn button		
Device construction			Built-in device fixed built-in technique		
With integrated auxiliary switch			No		
With integrated under voltage release			No		
Number of poles			3		
Rated short-circuit breaking capacity Icu at 400 V, AC		kA	150		
Degree of protection (IP)			IP20		
Height		mm	93		
Width		mm	45		
Depth		mm	77		