DATASHEET - AGM2-10-PKZ0



Trip indicator, 2 x 1 N/O, Screw terminals

Part no.	**AGM2-10-PKZ0**
	072898
EL Number (Norway)	**4355133**

General specifications

Product name	Eaton Moeller® series PKZ Trip indicator
Part no.	AGM2-10-PKZ0
EAN	4015080728986
Product Length/Depth	68 millimetre
Product height	90 millimetre
Product width	23 millimetre
Product weight	0.035 kilogram
Certifications	CSA-C22.2 No. 14 CSA File No.: 165628 IEC/EN 60947-4-1 CSA UL 508 CSA Class No.: 3211-05 UL UL File No.: E36332 UL Category Control No.: NLRV CE
Product Tradename	PKZ
Product Type	Accessory
Product Sub Type	Trip indicator

Features & Functions

Electric connection type	Screw connection
Indication	General trip indication (overload) Short-circuits indicated locally by means of a red indicator that can be manually reset

General information

Lifespan, electrical	50,000 Operations
Lifespan, mechanical	10,000 Operations
Model	Top mounting
Mounting method	Side mounting
Overvoltage category	III
Pollution degree	3
Product category	Accessories
Rated impulse withstand voltage (Uimp)	6000 V AC
Used with	Motor protective circuit-breaker

Climatic environmental conditions

Ambient operating temperature - min	-25 °C
Ambient operating temperature - max	55 °C

Terminal capacities

Terminal capacity (solid/flexible with ferrule)	0.75 - 2.5 mm^2
Terminal capacity (solid/stranded AWG)	18 - 14

Electrical rating

Rated operational current (Ie)	1 A at AC-15, 440 V 500 V
Rated operational current (Ie) at AC-15, 220 V, 230 V, 240 V	3.5 A
Rated operational current (Ie) at AC-15, 380 V, 400 V, 415 V	2 A
Rated operational current (Ie) at DC-13, 110 V	0.5 A
Rated operational current (Ie) at DC-13, 220 V, 230 V	0.25 A
Rated operational current (Ie) at DC-13, 24 V	2 A
Rated operational current (Ie) at DC-13, 60 V	1 A
Rated operational voltage (Ue) at DC - max	250 V
Safe isolation	440 V, Between auxiliary contacts and main contacts, According to EN 61140

Short-circuit rating		
Short-circuit protection rating without welding		10 A gG/gL, Fuse, Auxiliary contacts
Switching capacity		
Switching capacity (auxiliary contacts, general use)		1 A, 250 V DC, (UL/CSA) 5 A, 600 V AC, (UL/CSA)
Switching capacity (auxiliary contacts, pilot duty)		Q300, DC operated (UL/CSA) A600, AC operated (UL/CSA)
Communication		
Connection type		Screw connection
Contacts		
Control circuit reliability		< 2 λ, < 1 failure at 100,000,000 Operations (at U# = 24 V DC, Umin = 17 V, Imin = 5.4 mA)
Number of contacts (change-over contacts)		0
Number of contacts (normally closed contacts)		0
Number of contacts (normally open contacts)		2
Design verification		
Equipment heat dissipation, current-dependent Pvid		0 W
Heat dissipation capacity Pdiss		0 W
Heat dissipation per pole, current-dependent Pvid		0.1 W
Rated operational current for specified heat dissipation (In)		3.5 A
Static heat dissipation, non-current-dependent Pvs		0 W
10.2.2 Corrosion resistance		Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures		Meets the product standard's requirements.
10.2.3.2 Verification of resistance of insulating materials to normal heat		Meets the product standard's requirements.
10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects		Meets the product standard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation		Meets the product standard's requirements.
10.2.5 Lifting		Does not apply, since the entire switchgear needs to be evaluated.
10.2.6 Mechanical impact		Does not apply, since the entire switchgear needs to be evaluated.
10.2.7 Inscriptions		Meets the product standard's requirements.
10.3 Degree of protection of assemblies		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

Low-voltage industrial components (EG000017) / Auxiliary contact block (EC000041)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Component for low-voltage switching technology / Auxiliary switch block (ecl@ss13-27-37-13-02 [AKN342018])

Number of contacts as change-over contact		0
Number of contacts as normally open contact		2
Number of contacts as normally closed contact		0
Number of fault-signal switches		1
Rated operation current Ie at AC-15, 230 V	A	3.5
Type of electric connection		Screw connection
Model		Clip-on

Mounting method			Side mounting
Lamp holder			None

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DATASHEET - AGM2-01-PKZ0



Trip indicator, 2 x 1 NC, Screw terminals

Part no.	**AGM2-01-PKZ0**
	072899
EL Number (Norway)	**4355146**

General specifications

Product name	Eaton Moeller® series PKZ Trip indicator
Part no.	AGM2-01-PKZ0
EAN	4015080728993
Product Length/Depth	68 millimetre
Product height	90 millimetre
Product width	23 millimetre
Product weight	0.035 kilogram
Certifications	CSA Class No.: 3211-05 IEC/EN 60947-4-1 CE UL 508 CSA UL Category Control No.: NLRV UL File No.: E36332 CSA File No.: 165628 CSA-C22.2 No. 14 UL
Product Tradename	PKZ
Product Type	Accessory
Product Sub Type	Trip indicator

Features & Functions

Electric connection type	Screw connection
Indication	Short-circuits indicated locally by means of a red indicator that can be manually reset General trip indication (overload)

General information

Lifespan, electrical	50,000 Operations
Lifespan, mechanical	10,000 Operations
Model	Top mounting
Mounting method	Side mounting
Overvoltage category	III
Pollution degree	3
Product category	Accessories
Rated impulse withstand voltage (Uimp)	6000 V AC
Used with	Motor protective circuit-breaker

Climatic environmental conditions

Ambient operating temperature - min	-25 °C
Ambient operating temperature - max	55 °C

Terminal capacities

Terminal capacity (solid/flexible with ferrule)	0.75 - 2.5 mm^2
Terminal capacity (solid/stranded AWG)	18 - 14

Electrical rating

Rated operational current (Ie)	1 A at AC-15, 440 V 500 V
Rated operational current (Ie) at AC-15, 220 V, 230 V, 240 V	3.5 A
Rated operational current (Ie) at AC-15, 380 V, 400 V, 415 V	2 A
Rated operational current (Ie) at DC-13, 110 V	0.5 A
Rated operational current (Ie) at DC-13, 220 V, 230 V	0.25 A
Rated operational current (Ie) at DC-13, 24 V	2 A
Rated operational current (Ie) at DC-13, 60 V	1 A
Rated operational voltage (Ue) at DC - max	250 V
Safe isolation	440 V, Between auxiliary contacts and main contacts, According to EN 61140

Short-circuit rating		
Short-circuit protection rating without welding		10 A gG/gL, Fuse, Auxiliary contacts
Switching capacity		
Switching capacity (auxiliary contacts, general use)		1 A, 250 V DC, (UL/CSA) 5 A, 600 V AC, (UL/CSA)
Switching capacity (auxiliary contacts, pilot duty)		Q300, DC operated (UL/CSA) A600, AC operated (UL/CSA)
Communication		
Connection type		Screw connection
Contacts		
Control circuit reliability		< 2 λ, < 1 failure at 100,000,000 Operations (at U# = 24 V DC, Umin = 17 V, Imin = 5.4 mA)
Number of contacts (change-over contacts)		0
Number of contacts (normally closed contacts)		2
Number of contacts (normally open contacts)		0
Design verification		
Equipment heat dissipation, current-dependent Pvid		0 W
Heat dissipation capacity Pdiss		0 W
Heat dissipation per pole, current-dependent Pvid		0.1 W
Rated operational current for specified heat dissipation (In)		3.5 A
Static heat dissipation, non-current-dependent Pvs		0 W
10.2.2 Corrosion resistance		Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures		Meets the product standard's requirements.
10.2.3.2 Verification of resistance of insulating materials to normal heat		Meets the product standard's requirements.
10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects		Meets the product standard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation		Meets the product standard's requirements.
10.2.5 Lifting		Does not apply, since the entire switchgear needs to be evaluated.
10.2.6 Mechanical impact		Does not apply, since the entire switchgear needs to be evaluated.
10.2.7 Inscriptions		Meets the product standard's requirements.
10.3 Degree of protection of assemblies		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

Low-voltage industrial components (EG000017) / Auxiliary contact block (EC000041)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Component for low-voltage switching technology / Auxiliary switch block (ecl@ss13-27-37-13-02 [AKN342018])

Number of contacts as change-over contact		0
Number of contacts as normally open contact		0
Number of contacts as normally closed contact		2
Number of fault-signal switches		1
Rated operation current Ie at AC-15, 230 V	A	3.5
Type of electric connection		Screw connection
Model		Clip-on

Mounting method			Side mounting
Lamp holder			None

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