

**PKZ MOTOR PROTECTION CIRCUIT  
BREAKER**  
**088915**



Overview



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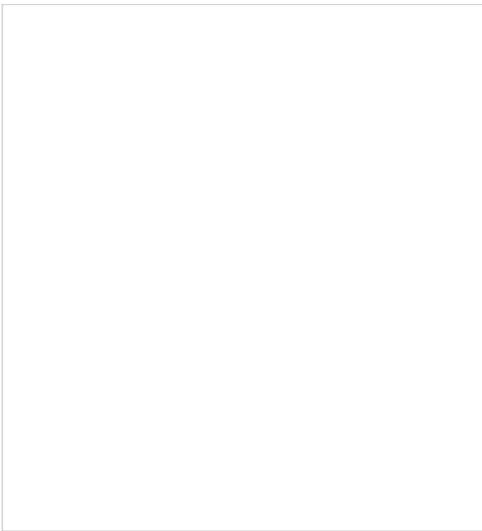


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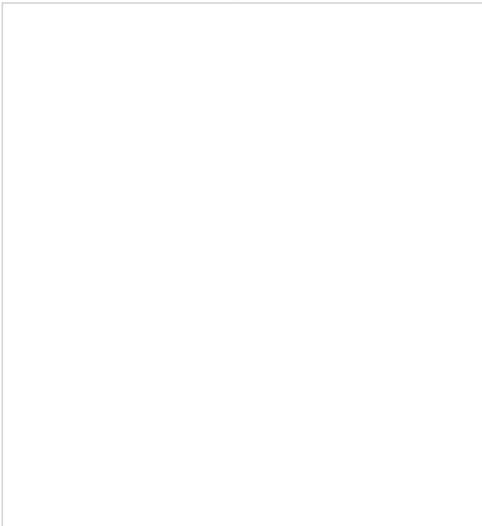


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088915

Eaton Moeller® series PKZM0 Transformer-protected  
6.3A, screw connection

How to buy



Learn about our Push-in terminals



Configure Motor Start Combination

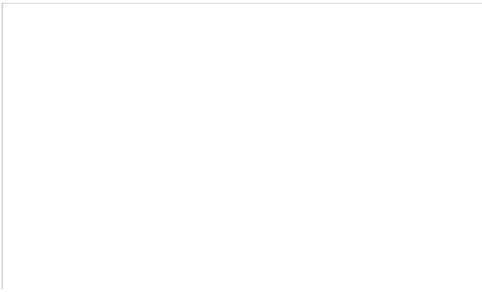


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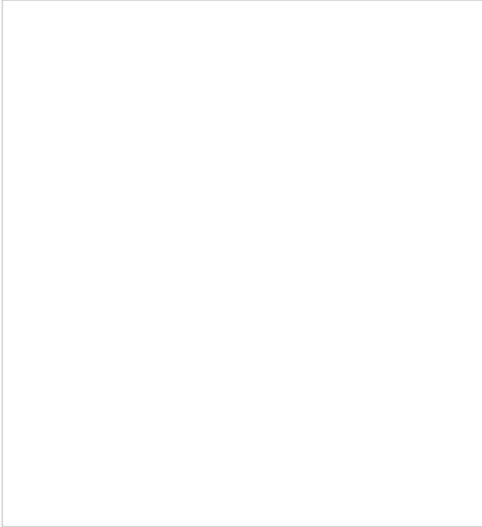


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### 082882

Eaton Moeller® series NHI Standard auxiliary contact, NHI-E, 1 N/O, 1 NC, Can be fitted to the front, Screw terminals

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### 072896

Eaton Moeller® series NHI Standard auxiliary contact, 1 N/O, 1 NC, Can be retrofitted on the right side of motor-protective circuit-breakers, Screw terminals

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### 032720

Eaton Moeller® series PKZ Extension terminal, 3p, 25mm<sup>2</sup> BK25/3-PKZ0

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### 219654

Eaton Moeller® series CI-K Insulation enclosure, for PKZ0, 160 x 100 mm, +rotary handle, black/grey

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## GENERAL SPECIFICATIONS

General specifications	>	<b>PRODUCT NAME</b>	Eaton Moeller® series PKZM0 Transformer-protect
		<b>CATALOG NUMBER</b>	088915
Product specifications	>	<b>MODEL CODE</b>	PKZM0-6,3-T
		<b>EAN</b>	4015080889151
		<b>PRODUCT LENGTH/DEPTH</b>	76 mm
		<b>PRODUCT HEIGHT</b>	93 mm
		<b>PRODUCT WIDTH</b>	45 mm
		<b>PRODUCT WEIGHT</b>	0.293 kg
		<b>CERTIFICATIONS</b>	VDE 0660 IEC/EN 60947

## PRODUCT SPECIFICATIONS

<b>RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)</b>	6.3 A
<b>TERMINAL CAPACITY (FLEXIBLE WITH FERRULE)</b>	1 x (1 - 6) mm <sup>2</sup> , ferrule to DIN 46228 2 x (1 - 6) mm <sup>2</sup> , ferrule to DIN 46228
<b>10.11 SHORT-CIRCUIT RATING</b>	Is the panel builder's responsibility. The specification must be observed.
<b>AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MIN</b>	25 °C
<b>RATED SHORT-CIRCUIT BREAKING CAPACITY ICS AT 440 V AC</b>	150 kA
<b>10.4 CLEARANCES AND CREEPAGE DISTANCES</b>	Meets the product standard's requirements.
<b>10.12 ELECTROMAGNETIC COMPATIBILITY</b>	Is the panel builder's responsibility. The specification must be observed.
<b>MOUNTING METHOD</b>	DIN rail (top hat rail) mounting optional
<b>10.2.5 LIFTING</b>	Does not apply, since the entire switchgear needs to
<b>ADJUSTMENT RANGE SHORT-TERM DELAYED SHORT-CIRCUIT RELEASE - MAX</b>	0 A
<b>SWITCHING CAPACITY</b>	6.3 A, AC-3 up to 690 V 6.3 A (3 contacts in series), DC-5 up to 250V

<b>STRIPPING LENGTH (MAIN CABLE)</b>	10 mm
<b>AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MAX</b>	40 °C
<b>RATED SHORT-CIRCUIT BREAKING CAPACITY ICU AT 400 V AC</b>	150 kA
<b>10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES</b>	Meets the product standard's requirements.
<b>AMBIENT STORAGE TEMPERATURE - MIN</b>	40 °C
<b>FITTED WITH:</b>	Switched-off indicator
<b>ADJUSTMENT RANGE UNDELAYED SHORT-CIRCUIT RELEASE - MAX</b>	141 A
<b>10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS</b>	Is the panel builder's responsibility.
<b>ADJUSTMENT RANGE SHORT-TERM DELAYED SHORT-CIRCUIT RELEASE - MIN</b>	0 A
<b>PROTECTION</b>	Finger and back-of-hand proof, Protection against dirt actuated from front (EN 50274)
<b>ACTUATOR TYPE</b>	Turn button
<b>AMBIENT OPERATING TEMPERATURE - MAX</b>	55 °C
<b>POSITION OF CONNECTION FOR MAIN CURRENT CIRCUIT</b>	Other
<b>CLIMATIC PROOFING</b>	Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78
<b>DEVICE CONSTRUCTION</b>	Built-in device fixed built-in technique
<b>FEATURES</b>	Phase-failure sensitivity (according to IEC/EN 60947 Part 102) Complete device with protection unit
<b>LIFESPAN, ELECTRICAL</b>	100,000 operations
<b>STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS</b>	0 W
<b>ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT</b>	Screw connection
<b>10.9.3 IMPULSE WITHSTAND VOLTAGE</b>	Is the panel builder's responsibility.
<b>NUMBER OF POLES</b>	Three-pole
<b>RATED SHORT-CIRCUIT BREAKING CAPACITY ICU AT 690 V AC</b>	3 kA
<b>AMBIENT OPERATING TEMPERATURE - MIN</b>	-25 °C
<b>10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS</b>	Does not apply, since the entire switchgear needs to
<b>10.5 PROTECTION AGAINST ELECTRIC SHOCK</b>	Does not apply, since the entire switchgear needs to
<b>MOUNTING POSITION</b>	Can be snapped on to IEC/EN 60715 top-hat rail with

<b>MOUNTING POSITION</b>	height.
<b>RATED UNINTERRUPTED CURRENT (IU)</b>	6.3 A
<b>SHORT-CIRCUIT RELEASE</b>	± 20% tolerance, Trip blocks 141 A, I <sub>rn</sub> , Setting range max. Basic device, fixed 20 x I <sub>u</sub> , Trip Blocks
<b>10.13 MECHANICAL FUNCTION</b>	The device meets the requirements, provided the inf instruction leaflet (IL) is observed.
<b>10.2.6 MECHANICAL IMPACT</b>	Does not apply, since the entire switchgear needs to
<b>10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL</b>	Is the panel builder's responsibility.
<b>10.3 DEGREE OF PROTECTION OF ASSEMBLIES</b>	Does not apply, since the entire switchgear needs to
<b>HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID</b>	1.65 W
<b>OPERATING FREQUENCY</b>	40 Operations/h
<b>PRODUCT CATEGORY</b>	Transformer protective circuit breaker
<b>OVERLOAD RELEASE CURRENT SETTING - MIN</b>	4 A
<b>RATED SHORT-CIRCUIT BREAKING CAPACITY ICS AT 400 V AC</b>	150 kA
<b>RATED SHORT-CIRCUIT BREAKING CAPACITY ICU AT 440 V AC</b>	150 kA
<b>EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID</b>	4.94 W
<b>HEAT DISSIPATION CAPACITY PDISS</b>	0 W
<b>RATED OPERATIONAL CURRENT (IE)</b>	6.3 A
<b>SUITABLE FOR</b>	Also motors with efficiency class IE3 DIN rail (top hat rail) mounting
<b>TEMPERATURE COMPENSATION</b>	≤ 0.25 %/K, residual error for T > 40° -5 - 40 °C to IEC/EN 60947, VDE 0660 -25 - 55 °C, Operating range
<b>TERMINAL CAPACITY (SOLID)</b>	2 x (1 - 6) mm <sup>2</sup> 1 x (1 - 6) mm <sup>2</sup>
<b>NUMBER OF AUXILIARY CONTACTS (NORMALLY CLOSED CONTACTS)</b>	0
<b>RATED FREQUENCY - MIN</b>	50 Hz
<b>SHORT-CIRCUIT CURRENT</b>	60 kA DC, up to 250 V DC, Main conducting path
<b>POWER LOSS</b>	4.94 W
<b>10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT</b>	Meets the product standard's requirements.
<b>10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS</b>	Meets the product standard's requirements.

<b>LIFESPAN, MECHANICAL</b>	100,000 Operations
<b>TERMINAL CAPACITY (SOLID/STRANDED AWG)</b>	18 - 10
<b>OVERLOAD RELEASE CURRENT SETTING - MAX</b>	6.3 A
<b>10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH</b>	Is the panel builder's responsibility.
<b>RATED SHORT-CIRCUIT BREAKING CAPACITY ICS AT 500 V AC</b>	42 kA
<b>OVERVOLTAGE CATEGORY</b>	III
<b>DEGREE OF PROTECTION</b>	Terminals: IP00 IP20
<b>RATED FREQUENCY - MAX</b>	60 Hz
<b>NUMBER OF AUXILIARY CONTACTS (CHANGE-OVER CONTACTS)</b>	0
<b>AMBIENT STORAGE TEMPERATURE - MAX</b>	80 °C
<b>ADJUSTMENT RANGE UNDELAYED SHORT-CIRCUIT RELEASE - MIN</b>	141 A
<b>POLLUTION DEGREE</b>	3
<b>10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS</b>	Is the panel builder's responsibility.
<b>RATED IMPULSE WITHSTAND VOLTAGE (UIMP)</b>	6000 V AC
<b>CONNECTION</b>	Screw terminals
<b>10.10 TEMPERATURE RISE</b>	The panel builder is responsible for the temperature Eaton will provide heat dissipation data for the device
<b>FUNCTIONS</b>	Transformer protection For the protection of transformers with a high inrush
<b>TIGHTENING TORQUE</b>	1.7 Nm, Screw terminals, Main cable 1 Nm, Screw terminals, Control circuit cables
<b>RATED SHORT-CIRCUIT BREAKING CAPACITY ICU AT 500 V AC</b>	42 kA
<b>RATED OPERATIONAL VOLTAGE (UE) - MIN</b>	690 V
<b>10.2.2 CORROSION RESISTANCE</b>	Meets the product standard's requirements.
<b>10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION</b>	Meets the product standard's requirements.
<b>10.2.7 INSCRIPTIONS</b>	Meets the product standard's requirements.
<b>NUMBER OF AUXILIARY CONTACTS (NORMALLY OPEN CONTACTS)</b>	0
<b>RATED SHORT-CIRCUIT BREAKING CAPACITY ICS AT 690 V AC</b>	2 kA

<b>SHOCK RESISTANCE</b>	shock 10 ms
<b>RATED OPERATIONAL VOLTAGE (UE) - MAX</b>	690 V
<b>ALTITUDE</b>	Max. 2000 m

Brochures

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Characteristic curve

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Declarations of conformity

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Drawings

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eCAD model

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Installation instructions

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mCAD model

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Wiring diagrams

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088915



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help our customers manage power — today and well into the future. By capitalizing on the global growth trends of electrification and digitalization, we're accelerating the planet's transition to renewable energy and helping to solve the world's most urgent power management challenges.