

Zdjęcie jest reprezentatywne

Eaton 189869

Eaton Moeller® series PKZM0 Motor-protective circuit-breaker (-EA), 12.5 kW, 20 - 25 A, Screw terminals

General specifications

PRODUCT NAME	Eaton Moeller® series PKZM0 Motor-protective circuit-breaker
CATALOG NUMBER	189869
EAN	4015081878659
PRODUCT LENGTH/DEPTH	76 mm
PRODUCT HEIGHT	93 mm
PRODUCT WIDTH	45 mm
PRODUCT WEIGHT	0.294 kg
COMPLIANCES	RoHS conform CE Marked
MODEL CODE	PKZM0-25-EA

Features & Functions

ACTUATOR TYPE	Turn button
FEATURES	Phase-failure sensitivity (according to IEC/EN 60947-4-1, VDE 0660 Part 102)
FUNCTIONS	Phase failure sensitive
NUMBER OF POLES	Three-pole

General

CONNECTION	Screw terminals
LIFESPAN, ELECTRICAL	100,000 operations
LIFESPAN, MECHANICAL	100,000 Operations
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 actuated 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	Branch circuit: Suitable for group installations, (UL/CSA) Also motors with efficiency class IE3
TEMPERATURE COMPENSATION	-5 - 40 °C to IEC/EN 60947, VDE 0660 -25 - 55 °C, Operating range ≤ 0.25 %/K, residual error for T > 40°

Climatic environmental conditions

AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MIN	-25 °C
AMBIENT STORAGE TEMPERATURE - MIN	-40 °C
AMBIENT STORAGE TEMPERATURE - MAX	80 °C
CLIMATIC PROOFING	Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30

Electrical rating

RATED FREQUENCY - MIN	50 Hz
RATED FREQUENCY - MAX	60 Hz
RATED OPERATIONAL CURRENT (IE)	25 A
RATED OPERATIONAL POWER AT AC-3E, 220/230 V, 50 HZ	5.5 kW
RATED OPERATIONAL POWER AT AC-3E, 380/400 V, 50 HZ	12.5 kW
RATED OPERATIONAL VOLTAGE (UE) - MIN	690 V
RATED OPERATIONAL VOLTAGE (UE) - MAX	690 V
RATED UNINTERRUPTED CURRENT (IU)	25 A

Terminal capacities

TERMINAL CAPACITY (SOLID)	1 x (1 - 6) mm ² 2 x (1 - 6) mm ²
TERMINAL CAPACITY (SOLID/STRANDED AWG)	18 - 10
STRIPPING LENGTH (MAIN CABLE)	10 mm
TIGHTENING TORQUE	1.7 Nm, Screw terminals, Main cable

Short-circuit rating

SHORT-CIRCUIT CURRENT RATING (GROUP PROTECTION)	10 kA, 600 V High Fault, Fuse, SCCR (UL/CSA) with 150 A, 600 V High Fault, Fuse, SCCR (UL/CSA) 10 kA, 600 V High Fault, CB, SCCR (UL/CSA) with 125 A, 600 V High Fault, CB, SCCR (UL/CSA) 18 kA, 600 V High Fault, Fuse with CL, SCCR (UL/CSA) with 600 A, 600 V High Fault, Fuse with CL, SCCR (UL/CSA) 18 kA, 600 V High Fault, CB with CL, SCCR (UL/CSA) with 600 A, 600 V High Fault, CB with CL, SCCR (UL/CSA) 18 kA, 480 V High Fault, CB, SCCR (UL/CSA) with 600 A, 480 V High Fault, CB, SCCR (UL/CSA) 18 kA, 480 V High Fault, Fuse, SCCR (UL/CSA) with 600 A, 480 V High Fault, Fuse, SCCR (UL/CSA)
SHORT-CIRCUIT RELEASE	Basic device fixed 15.5 x Iu ± 20% tolerance 388 A, I _{rm}
RATED SHORT-CIRCUIT BREAKING CAPACITY ICS AT 400 V AC	38 kA
RATED SHORT-CIRCUIT BREAKING CAPACITY ICU AT 400 V AC	50 kA
RATED SHORT-CIRCUIT	10 kA

BREAKING CAPACITY ICU AT 440 V AC	
RATED SHORT-CIRCUIT BREAKING CAPACITY ICS AT 440 V AC	3 kA
RATED SHORT-CIRCUIT BREAKING CAPACITY ICU AT 500 V AC	
RATED SHORT-CIRCUIT BREAKING CAPACITY ICS AT 500 V AC	3 kA
RATED SHORT-CIRCUIT BREAKING CAPACITY ICU AT 690 V AC	
RATED SHORT-CIRCUIT BREAKING CAPACITY ICS AT 690 V AC	1 kA

Motor rating	
ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 3-PHASE	7.5 HP
ASSIGNED MOTOR POWER AT 460/480 V, 60 HZ, 3-PHASE	15 HP
ASSIGNED MOTOR POWER AT 575/600 V, 60 HZ, 3-PHASE	20 HP

Design verification	
EQUIPMENT HEAT DISSIPATION, CURRENT- DEPENDENT PVID	7.04 W
HEAT DISSIPATION CAPACITY PDISS	0 W
HEAT DISSIPATION PER POLE, CURRENT- DEPENDENT PVID	2.3 W
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	25 A
STATIC HEAT DISSIPATION, NON- CURRENT-DEPENDENT PVS	0 W

Trip blocks	
OVERLOAD RELEASE CURRENT SETTING - MIN	20 A
OVERLOAD RELEASE CURRENT SETTING - MAX	25 A

Do pobrania	
	eaton-manual-motor-starters-pkz-characteristic-curve.eps
CHARACTERISTIC CURVE	eaton-manual-motor-starters-characteristic-curve-008.eps
DEKLARACJE ZGODNOŚCI	eaton-motor-protective-circuit-breaker-declaration-of-conformity-uk251169en.pdf eaton-motor-protective-circuit-breaker-declaration-of-conformity-eu250686en.pdf
INSTRUKCJE MONTAŻU	IL034046ZU
MODELE ECAD	ETN.189869.edz

MODELE MCAD	DA-CS-pkzm0
	DA-CD-pkzm0
RYSUNKI	eaton-manual-motor-starters-pkz-dimensions.eps
	eaton-manual-motor-starters-pkz-dimensions-002.eps
	eaton-manual-motor-starters-pkz-dimensions-003.eps
	eaton-manual-motor-starters-circuit-breaker-pkzm0-3d-drawing.eps
	eaton-manual-motor-starters-pkzm0-3d-drawing-008.eps
SCHEMATY POŁĄCZEŃ	eaton-manual-motor-starters-transformer-pkzm0-wiring-diagram.eps

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATA:



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