



BIMETAL OVERLOAD RELAYS

014263



Overview



Specifications



Resources

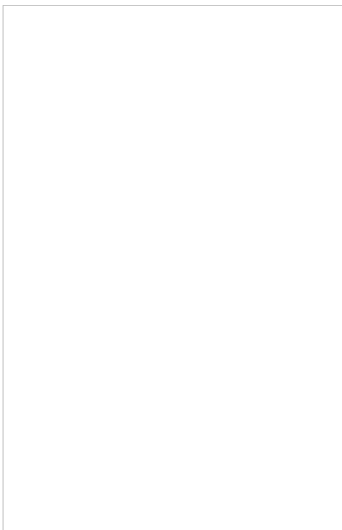
How to buy

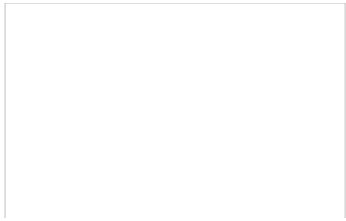


014263

Eaton Moeller® series ZE Overload relay, Ir= 0.1 - 0.5 A, 230 V AC, 50/60 Hz, 1-pole, DIN mounting

How to buy





Designed to work together

Discover other Eaton products and accessories built to enhance this product.

254834

Eaton Moeller® series M22 Release pushbutton, blue, Bezel: titanium, RESET

254833

Eaton Moeller® series M22 Release pushbutton, blue, Bezel: titanium

216423

Eaton Moeller® series M22 Button plate, flat red, blank

218153

Eaton Moeller® series M22 Button plate, flat red

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GENERAL SPECIFICATIONS

General specifications



PRODUCT NAME

Eaton Moeller® series ZE Thermal overload relay

CATALOG NUMBER

014263

Product specifications



MODEL CODE

ZE-0,16

EAN

4015080142638

PRODUCT LENGTH/DEPTH

52 mm

PRODUCT HEIGHT

65 mm

PRODUCT WIDTH

45 mm

PRODUCT WEIGHT

0.073 kg

IEC/EN 60947

UL 508

CERTIFICATIONS

UL
VDE 0660
CSA
CSA File No.: 012528
CSA-C22.2 No. 14
IEC/EN 60947-5-1
UL File No.: E29184
CE
CSA Class No.: 3211-03
UL Category Control No.: NKCR
IEC/EN 60947-4-1

PRODUCT SPECIFICATIONS

RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	0.16 A
TERMINAL CAPACITY (FLEXIBLE WITH FERRULE)	1 x (0.5 - 1.5) mm ² , Main cables 2 x (0.5 - 1.5) mm ² , Main cables 1 x (0.5 - 1.5) mm ² , Control circuit cables
10.11 SHORT-CIRCUIT RATING	Is the panel builder's responsibility. The specification must be observed.
STRIPPING LENGTH (CONTROL CIRCUIT CABLE)	8 mm
AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MIN	25 °C
10.4 CLEARANCES AND CREEPAGE DISTANCES	Meets the product standard's requirements.
10.12 ELECTROMAGNETIC COMPATIBILITY	Is the panel builder's responsibility. The specification must be observed.
MOUNTING METHOD	Direct mounting Direct attachment
10.2.5 LIFTING	Does not apply, since the entire switchgear needs to be lifted.
STRIPPING LENGTH (MAIN CABLE)	8 mm
AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MAX	40 °C
RESET FUNCTION	Push-button Automatic
SHORT-CIRCUIT CURRENT RATING (BASIC RATING)	1 A, max. Fuse, SCCR (UL/CSA) 15 A, max. CB, CB for max. 480 V, SCCR (UL/CSA) 5 kA, SCCR (UL/CSA)
10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS	Is the panel builder's responsibility.
SCREW SIZE	M3.5, Terminal screw
ADJUSTABLE CURRENT RANGE - MIN	0.1 A
PROTECTION	Finger and back-of-hand proof, Protection against direct contact actuated from front (EN 50274)

AMBIENT OPERATING TEMPERATURE - MAX	50 °C
CLIMATIC PROOFING	Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
FEATURES	Test/off button Reset pushbutton manual/auto Trip-free release Phase-failure sensitivity (according to IEC/EN 60941-102)
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS	0 W
RATED OPERATIONAL CURRENT (IE) AT AC-15, 500 V	0.5 A
ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT	Screw connection
10.9.3 IMPULSE WITHSTAND VOLTAGE	Is the panel builder's responsibility.
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS	Does not apply, since the entire switchgear needs to
10.5 PROTECTION AGAINST ELECTRIC SHOCK	Does not apply, since the entire switchgear needs to
SAFE ISOLATION	250 V AC, Between auxiliary contacts, According to EN 60941-102 300 V AC, Between main circuits, According to EN 60941-102 300 V AC, Between auxiliary contacts and main contacts, According to EN 60941-102 EN 61140
RATED OPERATIONAL CURRENT (IE) AT AC-15, 220 V, 230 V, 240 V	1.5 A
CLASS	CLASS 10 A
10.13 MECHANICAL FUNCTION	The device meets the requirements, provided the instructions in the instruction leaflet (IL) is observed.
10.2.6 MECHANICAL IMPACT	Does not apply, since the entire switchgear needs to
NUMBER OF CONTACTS (NORMALLY CLOSED CONTACTS)	1
10.3 DEGREE OF PROTECTION OF ASSEMBLIES	Does not apply, since the entire switchgear needs to
RATED OPERATIONAL CURRENT (IE) AT AC-15, 380 V, 400 V, 415 V	0.7 A
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID	1.6 W
SWITCHING CAPACITY (AUXILIARY CONTACTS, GENERAL USE)	0.6 A, 600V AC, (UL/CSA) 1.5 A, 240V AC, (UL/CSA)
PRODUCT CATEGORY	ZE overload relays for mini contactor relays
OVERLOAD RELEASE CURRENT SETTING - MIN	0.1 A
RATED OPERATIONAL CURRENT (IE) AT DC-13, 60 V	0.75 A
EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID	4.8 W

HEAT DISSIPATION CAPACITY PDISS	0 W
SUITABLE FOR	Branch circuits, (UL/CSA)
TEMPERATURE COMPENSATION	≤0.25 %/K, residual error for T > 40° Continuous
TERMINAL CAPACITY (SOLID)	1 x (0.75 - 2.5) mm ² , Main cables 1 x (0.75 - 2.5) mm ² , Control circuit cables 2 x (0.75 - 2.5) mm ² , Control circuit cables
NUMBER OF AUXILIARY CONTACTS (NORMALLY CLOSED CONTACTS)	1
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.
RATED OPERATIONAL CURRENT (IE) AT DC-13, 220 V, 230 V	0.2 A
CONVENTIONAL THERMAL CURRENT ITH OF AUXILIARY CONTACTS (1-POLE, OPEN)	6 A
OVERLOAD RELEASE CURRENT SETTING - MAX	0.16 A
TERMINAL CAPACITY (SOLID/STRANDED AWG)	18 - 14, Main cables 2 x (18 - 12), Control circuit cables
10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH	Is the panel builder's responsibility.
DEGREE OF PROTECTION	IP20
OVERVOLTAGE CATEGORY	III
NUMBER OF AUXILIARY CONTACTS (CHANGE-OVER CONTACTS)	0
POLLUTION DEGREE	3
10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS	Is the panel builder's responsibility.
RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	6000 V AC 4000 V (auxiliary and control circuits)
10.10 TEMPERATURE RISE	The panel builder is responsible for the temperature Eaton will provide heat dissipation data for the device
ADJUSTABLE CURRENT RANGE - MAX	0.16 A
SCREWDRIVER SIZE	0.8 x 5.5 mm, Terminal screw, Standard screwdriver 2, Terminal screw, Pozidriv screwdriver
RATED OPERATIONAL CURRENT (IE) AT AC-15, 120 V	1.5 A
10.2.2 CORROSION RESISTANCE	Meets the product standard's requirements.
10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION	Meets the product standard's requirements.

10.2.7 INSCRIPTIONS	Meets the product standard's requirements.
NUMBER OF CONTACTS (NORMALLY OPEN CONTACTS)	1
SHORT-CIRCUIT PROTECTION RATING	Max. 4 A gG/gL, Fuse, Auxiliary contacts 0.5 A gG/gL, Fuse, Type "2" coordination 20 A gG/gL, Fuse, Type "1" coordination
NUMBER OF AUXILIARY CONTACTS (NORMALLY OPEN CONTACTS)	1
RATED OPERATIONAL CURRENT (IE) AT DC-13, 110 V	0.4 A
RATED OPERATIONAL VOLTAGE (UE) - MAX	690 V
SHOCK RESISTANCE	10 g, Mechanical, Sinusoidal, Shock duration 10 m
RATED OPERATIONAL CURRENT (IE) AT DC-13, 24 V	0.9 A
SWITCHING CAPACITY (AUXILIARY CONTACTS, PILOT DUTY)	R300, DC operated (UL/CSA) D300, AC operated (UL/CSA)

Catalogs

Certification reports

Characteristic curve

Declarations of conformity

Drawings

eCAD model

Installation instructions

Manuals and user guides

mCAD model

Wiring diagrams



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