						Products Dig
	BIMETAL OVER 014518	LOAD RELAYS	Overview	Specificat	ions Resources	Hov
<		Photo is representative			O14518 Eaton Moeller® series Zimounting How to buy	E Overload relay, Ir= 2.4

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Photo is representative

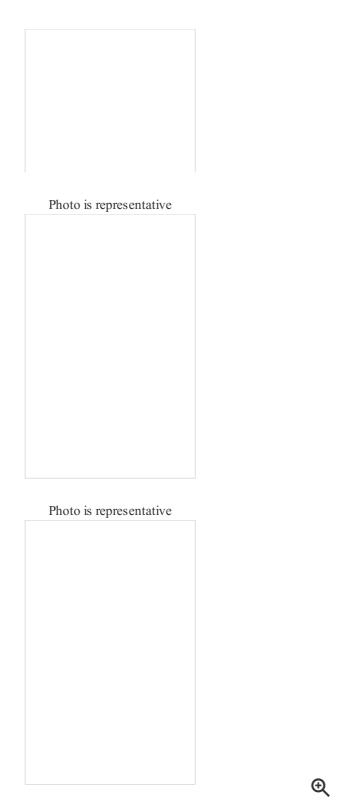


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182885

Eaton Moeller® series DILEM Contactor, 125 V DC, 3 pole, 380 V 400 V, 4 kW, Contacts N/C = Normally closed= 1 NC, Screw terminals, DC operation

051629

Eaton Moeller® series DILEEM Contactor, 24 V 50 Hz, 3 pole, 380 V 400 V, 3 kW, Contacts N/C = Normally closed= 1 NC, Screw terminals, AC operation

051643

Eaton Moeller® series DILEEM Contactor, 24 V DC, 3 pole, 380 V 400 V, 3 kW, Contacts N/O = Normally open= 1 N/O, Screw terminals, DC operation DILEEM-10-G(24VDC)

010006

Eaton Moeller® series DILEM (24 V 60 Hz, 3 pole, 380 V 400 Contacts N/O = Normally open= Screw terminals, AC operation

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GENERAL SPECIFICATIONS

General specifications Product specifications

GENERAL SPECIFICATIONS	
PRODUCTNAME	Eaton Moeller® series ZE Thermal overload relay
CATALOG NUMBER	014518
MODEL CODE	ZE-4
EAN	4015080145189
PRODUCT LENGTH/DEPTH	52 mm
PRODUCTHEIGHT	65 mm
PRODUCTWIDTH	45 mm
PRODUCTWEIGHT	0.077 kg
	UL 508 CSA IEC/EN 60947-5-1 CE CSA File No.: 012528 IEC/EN 60947-4-1
CERTIFICATIONS	UL Category Control No.: NKCR

UL File No.: E29184

IEC/EN 60947 CSA-C22.2 No. 14 VDE 0660

CSA Class No.: 3211-03

PRODUCT SPECIFICATIONS

4 A 2 x (0.5 - 1.5) mm ² , Main cables 1 x (0.5 - 1.5) mm ² , Main cables
1 (0 5 1 5) mm2 Main aphles
1 x (0.5 - 1.5) mm ² , Main cables 1 x (0.5 - 1.5) mm ² , Control circuit cables
Is the panel builder's responsibility. The specific must be observed.
8 mm
25 ℃
Meets the product standard's requirements.
Is the panel builder's responsibility. The specific must be observed.
Direct mounting
Direct attachment
Does not apply, since the entire switchgear need
8 mm
40 °C
Meets the product standard's requirements.
Automatic Push-button
5 kA, SCCR (UL/CSA)
15 A, max. CB, CB for max. 480 V, SCCR (U
15 A, max. Fuse, SCCR (UL/CSA)
Is the panel builder's responsibility.
M3.5, Terminal screw
2.4 A
Finger and back-of-hand proof, Protection again actuated from front (EN 50274)
50 °C
Damp heat, cyclic, to IEC 60068-2-30
Damp heat, constant, to IEC 60068-2-78
Phase-failure sensitivity (according to IEC/EN (102)
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DEPENDENT PVS

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.
VOLTAGE RATING - MAX	600 VAC
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
SAFEISOLATION	300 V AC, Between auxiliary contacts and main con EN 61140 300 V AC, Between main circuits, According to EN 250 V AC, Between auxiliary contacts, According t
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 infinistruction leaflet (IL) is observed.
10.2.6 MECHANICAL IMPACT	Does not apply, since the entire switchgear needs to
10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL	Is the panel builder's responsibility.
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	1.9 W
SWITCHING CAPACITY (AUXILIARY CONTACTS, GENERAL USE)	1.5 A, 240V AC, (UL/CSA) 0.6 A, 600V AC, (UL/CSA)
PRODUCT CATEGORY	ZE overload relays for mini contactor relays
OVERLOAD RELEASE CURRENT SETTING - MIN	2.4 A
RATED OPERATIONAL CURRENT (IE) AT DC-13, 60 V	0.75 A
EQUIPMENT HEAT DISSIPATION, CURRENT- DEPENDENT PVID	5.7 W
HEAT DISSIPATION CAPACITY PDISS	0 W
SUITABLE FOR	Branch circuits, (UL/CSA)
TEMPERATURE COMPENSATION 5/8	≤ 0.25 %/K, residual error for T > 40° Continuous

TERMINAL CAPACITY (SOLID)	$2 \times (0.75 - 2.5) \text{ mm}^2$, Control circuit cables $1 \times (0.75 - 2.5) \text{ mm}^2$, Control circuit cables $1 \times (0.75 - 2.5) \text{ mm}^2$, Main 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
O VERLO AD RELEASE CURRENT SETTING - MAX	4 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
O VERVO LTAGE CATEGORY	Ш
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)	4000 V (auxiliary and control circuits) 6000 V AC
10.10 TEMPERATURE RISE	The panel builder is responsible for the temperature Eaton will provide heat dissipation data for the devi
TIGHTENING TO RQUE	1.2 Nm, Screw terminals
ADJUSTABLE CURRENT RANGE - MAX	4 A
SCREWDRIVER SIZE	2, Terminal screw, Pozidriv screwdriver 0.8 x 5.5 mm, Terminal screw, Standard screwdrive
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	35 A gG/gL, Fuse, Type "1" coordination Max. 4 A gG/gL, Fuse, Auxiliary contacts 10 A gG/gL, Fuse, Type "2" 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)	D300, AC operated (UL/CSA) R300, DC 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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