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218153	277242	277338	106365

Eaton Moeller® series M22 Button plate,
flat red

Eaton Moeller® series DILM Contactor, 380

V 400 V 11 kW, 3 N/O, 2 NC, RDC 24: 24

- 27 V DC, DC operation, Screw terminals

Eaton Moeller® series DILM Contactor, 380

V 400 V 15 kW, 2 N/O, 1 NC, RDC 24: 24

- 27 V DC, DC operation, Screw terminals

Eaton Moeller® series DILM Co V 400 V 11 kW, 2 N/O, 2 NC, Hz, 240 V 60 Hz, AC operation, terminals View more

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		GENERAL SPECIFICATIONS	
General specifications	>	PRODUCTNAME	Eaton Moeller® series ZB Thermal overload rela
		CATALOG NUMBER	278448
Product specifications	>	MODEL CODE	ZB32-2,4
		EAN	4015082784485
		PRODUCT LENGTH/DEPTH	96 mm
		PRODUCTHEIGHT	67 mm
		PRODUCT WIDTH	45 mm
		PRODUCTWEIGHT	0.142 kg
		CERTIFICATIONS	IEC/EN 60947-4-1 CSA Class No.: 3211-03 CSA File No.: 012528 UL 60947-4-1 CSA CSA-C22.2 No. 60947-4-1-14 IEC/EN 60947 UL File No.: E29184 CE UL Category Control No.: NKCR UL VDE 0660
		PRODUCT SPECIFICATIONS	

RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	2.4 A
TERMINAL CAPACITY (FLEXIBLE WITH FERRULE)	1 x (0.75 - 2.5) mm², Control circuit cables 1 x (1 - 4) mm², Main cables 2 x (1 - 4) mm², Main cables 2 x (0.75 - 2.5) mm², 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 attachment Direct mounting
10.2.5 LIFTING	Does not apply, since the entire switchgear needs to
STRIPPING LENGTH (MAIN CABLE)	10 mm
AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MAX	40 °C
RESET FUNCTION	Automatic Push-button
SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 600 V)	3 A, Class J/CC, max. Fuse, SCCR (UL/CSA) 100 kA, Fuse, SCCR (UL/CSA)
10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS	Is the panel builder's responsibility.
SCREW SIZE	M4, Terminal screw M3.5, Terminal screw, Control circuit cables
ADJUSTABLE CURRENT RANGE - MIN	1.6 A
PROTECTION	Finger and back-of-hand proof, Protection against di actuated from front (EN 50274)
AMBIENT OPERATING TEMPERATURE - MAX	55 °C
CLIMATIC PROOFING	Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78
FEATURES	Reset pushbutton manual/auto Phase-failure sensitivity (according to IEC/EN 6094 102) Test/off button Trip-free release
STATIC HEAT DISSIPATION, NON-CURRENT- DEPENDENT PVS	0 W
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	440 V AC, Between main circuits, According to EN 440 V, Between auxiliary contacts and main contact 61140 240 V AC, Between auxiliary contacts, According to
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 initinstruction 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	0.9 A
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID	1.9 W
PRODUCT CATEGORY	<ul><li>Accessories</li><li>Overload relay ZB up to 150 A</li></ul>
OVERLOAD RELEASE CURRENT SETTING - MIN	1.6 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	Continuous $\leq 0.25$ %/K, residual error for T > 40°
TERMINAL CAPACITY (SOLID)	1 x (1 - 6) mm², Main cables 1 x (0.75 - 4) mm², Control circuit cables 2 x (0.75 - 4) mm², Control circuit cables 2 x (1 - 6) mm², 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
OVERLOAD RELEASE CURRENT SETTING - MAX	2.4 A
TERMINAL CAPACITY (SOLID/STRANDED AWG)	2 x (18 - 14), Control circuit cables 18 - 8, Main cables
10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH	Is the panel builder's responsibility.
DEGREE OF PROTECTION	IP20
OVERVOLTAGE 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)	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 devi
ADJUSTABLE CURRENT RANGE - MAX	2.4 A
FRAME SIZE	ZB32
SCREWDRIVER SIZE	2, Terminal screw, Pozidriv screwdriver 1 x 6 mm, Terminal screw, Standard 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. 6 A gG/gL, fuse, Without welding, Auxiliary 25 A gG/gL, Fuse, Type "1" coordination 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)	B600 at opposite polarity, AC operated (UL/CSA) R300, DC operated (UL/CSA) B300 at opposite polarity, AC operated (UL/CSA)

## Catalogs

## Characteristic curve

## Declarations of conformity

Drawings		
eCAD model		
Installation instructions		
Manuals and user guides		
mCAD model		
Wiring diagrams		

278448

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