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

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

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

Eaton Moeller® series M22 But flat red

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GENERAL SPECIFICATIONS

General specifications	General specifications	>	PRODUCTNAME	Eaton Moeller® series ZW7 Current transformer-op
			CATALOG NUMBER	052448
	Product specifications	>	MODEL CODE	ZW7-290
			EAN	4015080524489
			PRODUCT LENGTH/DEPTH	162.5 mm
			PRODUCTHEIGHT	97 mm
			PRODUCT WIDTH	200.5 mm
			PRODUCT WEIGHT 2/7	0.622 kg

CERTIFICATIONS	CE CSA CSA File No.: 012528 CSA-C22.2 No. 14 UL File No.: E29184 UL Category Control No.: NKCR CSA Class No.: 3211-03 IEC/EN 60947-4-1 UL UL 508 IEC/EN 60947 VDE 0660
CATALOG NOTES	Rated operational current: Switch-on and switch-off DC-13, time constant as specified.
PRODUCT SPECIFICATIONS	
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	290 A
TERMINAL CAPACITY (FLEXIBLE WITH FERRULE)	2 x (0.75 - 2.5) mm ² 1 x (0.75 - 2.5) mm ²
10.11 SHORT-CIRCUIT RATING	Is the panel builder's responsibility. The specification must be observed.
O PENING DIAMEIER	27 mm
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 MEIHOD	Separate positioning Separate mounting
10.2.5 LIFTING	Does not apply, since the entire switchgear needs to
AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MAX	40 °C
10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES	Meets the product standard's requirements.
RESET FUNCTION	Automatic Push-button
10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS	Is the panel builder's responsibility.
SCREW SIZE	M3.5, Terminal screw
ADJUSTABLE CURRENT RANGE - MIN	190 A

PROTECTION	Finger and back-of-hand proof, Protection against di actuated from front (EN 50274)
AMBIENT OPERATING TEMPERATURE - MAX	50 °C
CLIMATIC PROOFING	Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78
FEATURES	Test/off button Reset pushbutton manual/auto Protection with heavy starting duty 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.
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	240 V AC, Between auxiliary contacts, According to 440 V AC, Between main circuits, According to EN 440 V AC, Between auxiliary contacts and main co EN 61140
MOUNTING POSITION	As required
RATED OPERATIONAL CURRENT (IE) AT AC-15, 220 V, 230 V, 240 V	1.5 A
CLASS	Other
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
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	0.9 A
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID	2.4 W
PRODUCT CATEGORY	ZW7 current transformer-operated overload relays
SHORT-CIRCUIT PROTECTION	With overload relay in conjunction with a transform

OVERLOAD RELEASE CURRENT SETTING - MIN	190 A
RATED OPERATIONAL CURRENT (IE) AT DC-13, 60 V	0.75 A
EQ UIPMENT HEAT DISSIPATION, CURRENT- DEPENDENT PVID	7.2 W
HEAT DISSIPATION CAPACITY PDISS	0 W
SUITABLE FOR	Branch circuits, (UL/CSA)
TEMPERATURE COMPENSATION	Continuous
TERMINAL CAPACITY (SOLID)	2 x (0.75 - 4) mm ² 1 x (0.75 - 4) mm ²
NUMBER OF AUXILIARY CONTACTS (NORMALLY CLOSED CONTACTS)	1
RATED FREQUENCY - MIN	50 Hz
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	290 A
TERMINAL CAPACITY (SOLID/STRANDED AWG)	2 x (18 - 14)
10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH	Is the panel builder's responsibility.
DEGREE OF PROTECTION	IP00
OVERVOLTAGE CATEGORY	Ш
RATED FREQUENCY - MAX	60 Hz
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)	8000 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 dev
TIGHTENING TORQUE	1.2 Nm, Screw terminals, Control circuit cables
ADJUSTABLE CURRENT RANGE - MAX	290 A

SCREWDRIVER SIZE	1 x 6 mm, Terminal screw, Control circuit cables, 2 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. 6 A gG/gL, Fuse, Auxiliary contacts
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)	B300 at opposite polarity, AC operated (UL/CSA) R300, DC operated (UL/CSA) B600 at opposite polarity, AC operated (UL/CSA)

Catalogs	
Characteristic curve	
Declarations of conformity	
Drawings	
eCAD model	
Installation instructions	
mCAD model	

Wiring diagrams

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