

DIGITAL NZM MOLDED CASE CIRCUIT BREAKER

285557



Overview

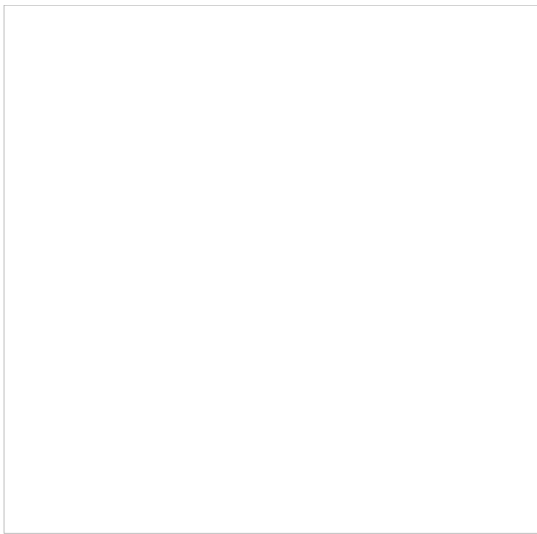


Specifications



Resources

Technical



285557

Eaton Moeller series NZM - Molded Case Circuit Breaker 0, 03-5 A

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271404

Eaton Moeller series NZM - Molded Case Circuit Breaker. Circuit-breaker, 3p, 50A, C1-S50

112761

Eaton Moeller series NZM - Molded Case Circuit Breaker. Circuit-breaker, 3p, 100A, plug-in module, N, frame1, A100-SVE

284424

Eaton Moeller series NZM - Molded Case Circuit Breaker. Circuit-breaker, 4p, 50A, H, frame 1, 4-A50

265799

Eaton Moeller series NZM - Molded Case Circuit Breaker. Circuit-breaker, 4p, 50A, H, frame 1, 4-A40

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GENERAL SPECIFICATIONS

General specifications	>	PRODUCT NAME	Eaton Moeller series NZM release
		CATALOG NUMBER	285557
Product specifications	>	MODEL CODE	PFR-5
		EAN	4015082855574
		PRODUCT LENGTH/DEPTH	80 mm
		PRODUCT HEIGHT	45 mm
		PRODUCT WIDTH	95 mm
		PRODUCT WEIGHT	0.192 kg
		COMPLIANCES	IEC RoHS conform
		CERTIFICATIONS	IEC 1009 IEC 1008 IEC 755 IEC/EN 60947-2

PRODUCT SPECIFICATIONS

10.11 SHORT-CIRCUIT RATING	Is the panel builder's responsibility. The specifications must be observed.
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MIN	184 V
10.4 CLEARANCES AND CREEPAGE DISTANCES	Meets the product standard's requirements.
10.12 ELECTROMAGNETIC COMPATIBILITY	Is the panel builder's responsibility. The specifications must be observed.
MOUNTING METHOD	Snap fixing, top-hat rail DIN 46277, IEC/EN 60715
10.2.5 LIFTING	Does not apply, since the entire switchgear needs to be lifted.
RATED FAULT CURRENT - MAX	5 A
10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES	Meets the product standard's requirements.
RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN	0 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MAX	276 V
10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS	Is the panel builder's responsibility.
TERMINAL PROTECTION	Finger/back-of-hand proof to BGV A2, VDE 106 part 1

- Adjustable fault current and delay time
- Fault current early warning by flashing, red LED

SPECIAL FEATURES	<ul style="list-style-type: none"> • Pulse-current sensitive • Integrated auxiliary contact (1 C/O) • Ring-type transformer must also be ordered • not UL/CSA approved
SENSITIVITY TYPE	Pulse current sensitive, type A
AMBIENT OPERATING TEMPERATURE - MAX	50 °C
POWER ON-DELAY TIME - MAX	5000 ms
FEATURES	Sealable, setting buttons 1 integrated changeover contact (relay contact)
RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX	0 V
10.9.3 IMPULSE WITHSTAND VOLTAGE	Is the panel builder's responsibility.
AMBIENT OPERATING TEMPERATURE - MIN	-10 °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
VOLTAGE RATING OF RELAY CONTACT	250 V AC / 100 V DC
10.13 MECHANICAL FUNCTION	The device meets the requirements, provided the instruction 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.
10.3 DEGREE OF PROTECTION OF ASSEMBLIES	Does not apply, since the entire switchgear needs to
FRAME	45 mm NZM1/2/3/4
POWER ON-DELAY TIME - MIN	5000 ms
DEVICE WIDTH	85 mm
TERMINALS (TOP AND BOTTOM)	Box terminals
DELAY TIME	0.02, 0.1, 0.3, 0.5, 1, 3, 5 ms
POWER CONSUMPTION	3 W
10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT	Meets the product standard's requirements.
CURRENT RATING OF RELAY CONTACT	6 A
10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS	Meets the product standard's requirements.
10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH	Is the panel builder's responsibility.
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN	184 V

10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS	Is the panel builder's responsibility.
TERMINAL CAPACITY (SOLID/FLEXIBLE CONDUCTOR)	0.75 mm ² - 1.5 mm ² (2x) with ferrules 0.75 mm ² - 2.5 mm ² (2x) solid, 0.75 mm ² - 1.5 mm ² ferrules
10.10 TEMPERATURE RISE	The panel builder is responsible for the temperature Eaton will provide heat dissipation data for the device
FUNCTIONS	Delay adjustable
TYPE	<ul style="list-style-type: none"> • Accessory • Residual current relays • Voltage release
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.
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MAX	276 V
RATED OPERATING VOLTAGE (UE) - MAX	276 V
RATED FAULT CURRENT - MIN	0.03 A

Brochures

Catalogs

Certification reports

Drawings

eCAD model

Installation instructions

Installation videos

mCAD model



Technical support

285557



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