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Eaton 259814

Eaton Moeller series NZM Shunt release,
60VAC/DC, +1early N/O, for NZM2/3

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PRODUCT NAME	Eaton Moeller series NZM Shunt release
CATALOG NUMBER	259814
PRODUCT LENGTH/DEPTH	42 mm
PRODUCT HEIGHT	90 mm
PRODUCT WIDTH	30 mm
PRODUCT WEIGHT	0.064 kg
COMPLIANCES	UL/CSA IEC RoHS conform
CERTIFICATIONS	UL489 CSA (File No. 22086) IEC60947 CSA (Class No. 1437-01) UL (Category Control Number DIHS) CE marking UL listed UL (File No. E140305) CSA-C22.2 No. 5-09 CSA certified



Powering Business Worldwide

USED WITH	NZM2(-4), N2(-4) NZM3(-4), N3(-4)
VOLTAGE RATING	0.7 - 1.1 x Us
10.10 TEMPERATURE RISE	The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
10.11 SHORT-CIRCUIT RATING	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.12 ELECTROMAGNETIC COMPATIBILITY	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.13 MECHANICAL FUNCTION	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.
10.2.2 CORROSION RESISTANCE	Meets the product standard's requirements.
10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES	Meets the product standard's requirements.
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.
10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION	Meets the product standard's requirements.
10.2.5 LIFTING	Does not apply, since the entire switchgear needs to be evaluated.
10.2.6 MECHANICAL IMPACT	Does not apply, since the entire switchgear needs to be evaluated.
10.2.7 INSCRIPTIONS	Meets the product standard's requirements.
10.3 DEGREE OF PROTECTION OF ASSEMBLIES	Does not apply, since the entire switchgear needs to be evaluated.

10.4 CLEARANCES AND CREEPAGE DISTANCES	Meets the product standard's requirements.
10.5 PROTECTION AGAINST ELECTRIC SHOCK	Does not apply, since the entire switchgear needs to be evaluated.
10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS	Does not apply, since the entire switchgear needs to be evaluated.
10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS	Is the panel builder's responsibility.
10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS	Is the panel builder's responsibility.
10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH	Is the panel builder's responsibility.
10.9.3 IMPULSE WITHSTAND VOLTAGE	Is the panel builder's responsibility.
10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL	Is the panel builder's responsibility.
ELECTRIC CONNECTION TYPE	Screw connection
FITTED WITH:	Early-make auxiliary contact
FRAME	NZM2/3
FREQUENCY RATING	50 Hz / 60 Hz / 200 Hz / 400 Hz, DC (shunt release)
MINIMUM COMMAND TIME - MAX	15 ms
MINIMUM COMMAND TIME - MIN	10 ms
NUMBER OF CONTACTS (NORMALLY OPEN CONTACTS)	1
REACTION TIME	20 ms
PICK-UP POWER CONSUMPTION (SHUNT RELEASE)	2.5 VA/W
RATED CONTROL SUPPLY VOLTAGE	60 V AC/DC
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MAX	60 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MIN	60 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MAX	60 V
RATED CONTROL SUPPLY	60 V

VOLTAGE (US) AT AC, 60 HZ - MIN

SUITABLE FOR Off-load switch

CONNECTION TYPE With bolt connection

VOLTAGE TYPE AC

TERMINAL CAPACITY (SOLID/FLEXIBLE CONDUCTOR)

0.75 mm² - 2.5 mm² (2x) for undervoltage releases, off-delayed with ferrule
18 - 14 AWG (1x) at shunt release
0.75 mm² - 2.5 mm² (2x) at shunt release with ferrule
18 - 14 AWG (2x) at shunt release
18 - 14 AWG (2x) for undervoltage releases, off-delayed
0.75 mm² - 2.5 mm² (1x) at shunt release with ferrule
0.75 mm² - 2.5 mm² (1x) for undervoltage releases, off-delayed with ferrule
18 - 14 AWG (1x) for undervoltage releases, off-delayed

TYPE

- Accessory
- Shunt release

SPECIAL FEATURES

- Cannot be used in conjunction with NZM...-XR... remote operator.
- If the shunt trip is live, contact with the circuit breaker's primary contacts is prevented when switched on.
- Early make of auxiliary contact on switching on and off (manual operation): approx. 20 ms.
- Shunt releases cannot be installed simultaneously with NZM...-XHIV... early-make auxiliary contact or NZM...-XU... undervoltage release.

RATED CONTROL SUPPLY VOLTAGE (US) AT DC -60 V
