



Eaton 292344

Eaton Moeller series NZM Earth-fault release, 0.1-3A, 4p

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PRODUCT NAME	Eaton Moeller series NZM Earth leakage relay
CATALOG NUMBER	292344
PRODUCT LENGTH/DEPTH	132 mm
PRODUCT HEIGHT	103 mm
PRODUCT WIDTH	140 mm
PRODUCT WEIGHT	2.407 kg
COMPLIANCES	IEC RoHS conform
CERTIFICATIONS	IEC/EN 60947-2 IEC/EN 60947-2 annex B

USED WITH	N2-4 NZM2-4 Four-pole
VOLTAGE RATING	280 - 690 V AC (independent of mains voltage)
FEATURES	Sealable, setting buttons
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

□□□□□	eaton-circuit-breakers-protection-module-il01210008z.pdf
□□	eaton-circuit-breaker-release-nzm-earth-fault-release-dimensions-002.eps eaton-circuit-breaker-symbol-nzm-earth-fault-release-symbol.eps eaton-circuit-breaker-current-nzm-earth-fault-release-3d-drawing.eps

	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.
FRAME	96 mm NZM2
FREQUENCY RATING	50 Hz
LIFESPAN, MECHANICAL	□ 2000 operations
MOUNTING METHOD	Bottom
AMBIENT OPERATING TEMPERATURE - MAX	70 °C
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
CURRENT RATING - MAX	250 A
POWER ON-DELAY TIME - MAX	100 ms
POWER ON-DELAY TIME - MIN	100 ms
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MAX	690 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MIN	280 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MAX	0 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN	0 V

RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX	0 V
CURRENT RATING - MIN	15 A
DEGREE OF PROTECTION	IP20 (operating component area)
MOUNTING POSITION	Vertical and 90° in all directions
FAULT CURRENT DETECTION RANGE	50 Hz
NUMBER OF POLES	Four-pole
FUNCTIONS	Delay adjustable
TERMINAL CAPACITY (SOLID/FLEXIBLE CONDUCTOR)	As NZM2 standard terminal without ferrules As NZM2 standard connection with ferrules
TYPE	Accessory Earth-fault releases
SPECIAL FEATURES	Earth-fault release to IEC/EN 60947-2 Not UL/CSA approved Suitable for use in three- and single-phase systems Pulse-current sensitive according to core-balance principle For 4 pole NZM2-4 circuit-breakers and N2-4 switch-disconnectors Supply voltage-dependent $U_e = 280 - 690 \text{ V } 50 \text{ Hz}$
APPLICATION	In three- and single-phase systems
SHOCK RESISTANCE	20 g (half-sinusoidal shock 20 ms)
RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN	0 V
RATED FAULT CURRENT - MAX	3 A
RATED FAULT CURRENT - MIN	0.1 A
RATED OPERATING VOLTAGE (UE) - MAX	690 V
SENSITIVITY TYPE	Pulse-current sensitive as per core-balance principle (type A)

