

Eaton 104609

Eaton Moeller series NZM Earth-fault release, 30mA, 3p, bottom

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PRODUCT NAME	Eaton Moeller series NZM Earth leakage relay	
CATALOG NUMBER	104609	
PRODUCT LENGTH/DEPTH	180 mm	
PRODUCT HEIGHT	80 mm	
PRODUCT WIDTH	90 mm	
PRODUCT WEIGHT	0.9 kg	
COMPLIANCES	IEC RoHS conform	
CERTIFICATIONS	IEC/EN 60947-2 IEC/EN 60947-2 annex B	



USED WITH	NZM1 Three-pole N(S)1
VOLTAGE RATING	200 - 415 V AC, min. 80 V AC for detection of fault currents type A/AC (dependent on mains voltage)
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.

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00000	eaton-residual-current- module-mount-below- nzm1-il01219027z.pdf
	eaton-circuit-breaker- release-nzm-earth-fault- release-dimensions.eps
00	eaton-circuit-breaker- symbol-nzm-earth-fault- release-symbol.eps
	eaton-circuit-breaker- release-nzm-earth-fault- release-3d-drawing- 002.eps

10.2.7 INSCRIPTIONS 10.3 DEGREE OF PROTECTION OF ASSEMBLIES 10.4 CLEARANCES AND CREEPAGE DISTANCES 10.5 PROTECTION AGAINST ELECTRIC SHOCK 10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS 10.7 INTERNAL ELECTRICS AND COMPONENTS 10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS 10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH 10.9.3 IMPULSE WITHSTAND VOLTAGE 10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL FRAME AMBIENT OPERATING AMBIENT OPERATING TEMPERATURE - MIN CURRENT RATING - MAX RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MIN RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MAX RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MAX				
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HZ - MIN		
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	50/60 Hz	
NUMBER OF POLES	Three-pole	
TERMINAL CAPACITY (SOLID/FLEXIBLE CONDUCTOR)	As NZM1 standard terminal with ferrules As NZM1 standard terminal without ferrules	
ТҮРЕ	Accessory Earth-fault releases	
SPECIAL FEATURES	Earth-fault release to IEC/EN 60947-2 Not UL/CSA approved Suitable for use in three-phase systems Pulse-current sensitive type A according to core-balance principle For 3 pole NZM1 circuit-breakers and N1 switch-disconnectors Supply voltage-dependent Ue = 200 – 415 V 50/60 Hz Control knobs, sealable. Bottom mounting up to 100 A	
APPLICATION	In three-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	0.03 A	
RATED FAULT CURRENT - MIN	0.03 A	
RATED OPERATING VOLTAGE (UE) - MAX	415 V	
SENSITIVITY TYPE	Pulse-current sensitive as per core-balance principle (type A)	

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□□□□ Eaton House 30 Pembroke Road Dublin 4, □□□ Eaton.com 







