

Earth-fault release, 30mA, 4p, right

Part no. NZM1-4-XFI30R Article no. 104606 Catalog No. NZM1-4-XFI30R



Delivery program

Description	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 NZM1-4 circuit-breakers and N1-4 switch-disconnectors Supply voltage-dependent Ue = 200 – 415 V 50/60 Hz
Contact sequence	
For use with	
For use with	NZM1-4 N1-4
Pole	4 pole

Notes

With I \triangle_n = 0.03 A: delay time t_v always fixed setting at 10 ms.

Alarm message > 30 % I \triangle_n by yellow LED.

Trip indication max. 2 auxiliary contacts (HIAFI) can be fitted by user: N/0 = M22-K01, N/C = M22-K10 are reset via the reset toggle lever.

If the trip-indicating auxiliary contact in the fault current block is used, the N/C contacts operates as a N/O contact and the N/C contact operates as an N/O contact.

Double contact not permissible.

Not in combination with insulated enclosure or main switch assembly kit for side panel mounting with mounting bracket

NZM1-XFI...R can not be used in combination with lower cover NZM1-XUSA.

NZM1-XFI...U not in combination with shunt or undervoltage release, early-make auxiliary contacts.

Rated ultimate short-circuit breaking capacity is determined by the fitted NZM1, NS1.

If a switch-disconnector N1 is applied by the back-up fuse to be used \rightarrow Technical data.

Technical data

Flectrica

Mounting

Electrical				
Standards			IEC/EN 60947-2 IEC/EN 60947-2 annex B	
Sensitivity			Pulse-current sensitive as per core-balance principle (type A)	
Min. operating voltage	U _e	V		
or detection of fault currents type A/AC			80 V (dependent on mains voltage)	
Suitability for the application			In three- and single-phase systems	
Rated operational voltage	U _e	V AC	200415 (3~)	
Rated frequency	f	Hz	50/60	
Number of poles			4-pole	
Rated current range	In	Α	15160	
Rated fault currents	I $_{\Delta n}$	Α	0.03	
Detection range of the fault current			50/60 Hz	
Rated ultimate short-circuit making capacity and rated ultimate short-circuit breaking capacity	$I_{\Delta m}$	Α	= I _{CU}	
Mechanical shock resistance (IEC 60068-2-27)			20 (half-sinusoidal shock 20 ms)	
Lifespan, mechanical (50 % with fault current)	Operations		20000	
Mechanical				
Standard front dimension		mm	45	

on the right side

Mounting position		Vertical and 90° in all directions
Supply		
		NZM1 from above
Degree of protection		IP20 in the operating component area
Ambient temperature		-5 - +40
Terminal capacity		
Flexible without ferrule	mm^2	wie NZM1 Standardklemme
flexible with ferrules	mm ²	such as NZM1 standard terminal

Design verification as per IEC/EN 61439

°C	-
°C	r
	-5
°C	40
	Meets the product standard's requirements.
	Does not apply, since the entire switchgear needs to be evaluated.
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	The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
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	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.
	°C

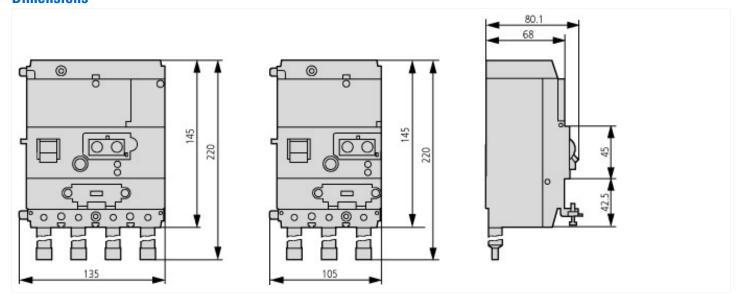
Technical data ETIM 6.0

Low-voltage industrial components (EG000017) / Residual current release for power circuit breaker (EC001021)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Circuit breaker (LV < 1 kV) / Fault current switch for circuit breakers (ecl@ss8.1-27-37-04-11 [AKF009010])

Rated control supply voltage Us at AC 50HZ	V	200 - 415
Rated control supply voltage Us at AC 60HZ	V	200 - 415
Rated control supply voltage Us at DC	V	0 - 0
Rated fault current	Α	0.03 - 0.03
Max. power on-delay time	ms	30
Delay adjustable		No
Max. rated operation voltage Ue	V	415

Dimensions



Additional product information (links)

IL01219028Z (AWA1230-2331) NZM1 Residual-current Module, mount right

IL01219028Z (AWA1230-2331) NZM1 Residualcurrent Module, mount right

IL01219028Z (AWA1230-2331) NZM1 Residual- ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL01219028Z2016_02.pdf