DATASHEET - NZM1-XA208-250AC/DC



Shunt release, 208-240VAC/DC

Part no. NZM1-XA208-250AC/DC Catalog No. 259726

EL-Nummer (Norway)

0004358724

000

Similar to illustration

Delivery program

		Accessories
		Shunt release
		Shunt releases
		UL/CSA, IEC
		NZM1
		Switches are tripped by a voltage pulse or by the application of uninterrupted voltage. If the shunt trip is live, contact with the circuit breaker's primary contacts is prevented when switched on. Shunt releases cannot be installed simultaneously with NZMXHIV early-make auxiliary contact or NZMXU undervoltage release.
		with terminal block on the left-hand switch side
		without auxiliary contact
U_{s}	V	208 - 250 V AC/DC
		NZM1(-4), N(S)1(-4)
	Us	U _s V

Powering Business Worldwide

Technical data

Shunt release

Shunt release			
Rated control voltage	U_s	V	
AC	U _s	V AC	208 - 250
DC	U _s	V DC	208 - 250
Frequency		Hz	50/60/200/400, DC
Operating range			
AC	$x U_s$		0.7 - 1.1
DC	x U _s		0.7 - 1.1
Power consumption			
Pick-up AC/DC		VA/W	2.5
Power consumption Pick-up = Sealing		VA/W	2.5
Maximum opening delay (response time until opening of the main contacts)		ms	20
Maximum duty factor		ms	œ
Minimum command time		ms	10 15
Terminal capacities		mm ²	
Solid or flexible conductor, with ferrule		mm ²	1 x (0,75 - 2,5) 2 x (0,75 - 2,5)
		AWG	1 x (18 14) 2 x (18 14)

Design verification as per IEC/EN 61439

Meets the product standard's requirements.
Meets the product standard's requirements.
Does not apply, since the entire switchgear needs to be evaluated.
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 Insulation properties	
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.
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.

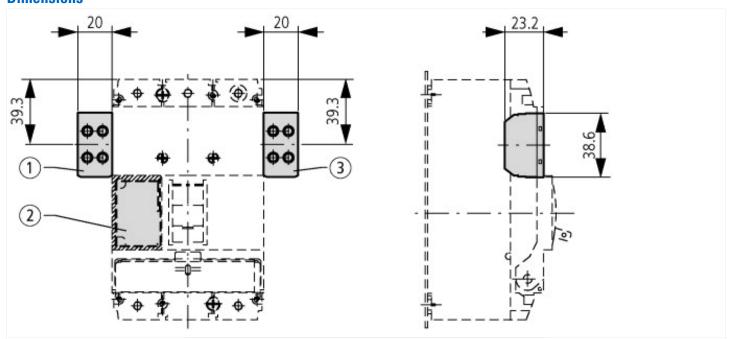
Technical data ETIM 7.0

recimical data Ettivi 7.0				
Low-voltage industrial components (EG000017) / Shunt release (for power circ	uit breaker) (EC001	023)		
Electric engineering, automation, process control engineering / Low-voltage switch technology / Circuit breaker (LV < 1 kV) / Full load current trip (ecl@ss10.0.1-27-37-04-18 [AKF016013])				
Rated control supply voltage Us at AC 50HZ		V	208 - 250	
Rated control supply voltage Us at AC 60HZ		V	208 - 250	
Rated control supply voltage Us at DC		V	208 - 250	
Voltage type for actuating			AC/DC	
Initial value of the undelayed short-circuit release - setting range		Α	0	
End value adjustment range undelayed short-circuit release		Α	0	
Type of electric connection			Screw connection	
Number of contacts as normally open contact			0	
Number of contacts as normally closed contact			0	
Number of contacts as change-over contact			0	
Suitable for power circuit breaker			Yes	
Suitable for off-load switch			Yes	
Suitable for motor safety switch			No	
Suitable for overload relay			No	

Approvals

• •	
Product Standards	UL489; CSA-C22.2 No. 5-09; IEC60947, CE marking
UL File No.	E140305
UL Category Control No.	DIHS
CSA File No.	022086
CSA Class No.	1437-01
North America Certification	UL listed, CSA certified

Dimensions



①
NZM1-XA(HIV)
NZM1-XU(HIV)(20)
NZM1-XHIV
②
NZM1-XA(HIV)(L)
NZM1-XU(V)(HIV)(L)(20)
NZM1-XHIV(L)
③
NZM1-XHIV(L)
③
NZM1-XHIVR

Additional product information (links)

IL01203002Z (AWA1230-1914) Shunt release, Undervoltage release, Early-make auxiliary contact

IL01203002Z (AWA1230-1914) Shunt release, Undervoltage release, Early-make auxiliary contact https://es-assets.eaton.com/DOCUMENTATION/AWA_INSTRUCTIONS/IL01203002Z2010_11.pdf