



Drive, on rear, 3p, lockable

Part no.

Catalog No.

NZM1-XRAV

107245

Delivery program

Product range		Accessories
Accessories		On rear drive
Standard/Approval		UL/CSA, IEC
Construction size		NZM1
Description		For direct rear connection of the switch to the side of the control panel or control panel door. Switch actuation on rear through side plate or control panel door. For switch with toggle lever
Protection class		IP66, UL/CSA Type 4X, Typ12
For use with		NZM1, N1, NS1, PN1
Locking facility		lockable on the 0 position on the handle using up to 3 padlocks
Notes		
Clip-in external warning plate.		
Not together with plug-in units or remote operator.		
Not together with auxiliary contact/voltage release with terminal block on left switch side		

Design verification as per IEC/EN 61439

IEC/EN 61439 design verification		
10.2 Strength of materials and parts		
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 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric 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 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

Low-voltage industrial components (EG000017) / Handle for power circuit breaker (EC000229)
Electric engineering, automation, process control engineering / Low-voltage switch technology / Circuit breaker (LV < 1 kV) / Handle for switch devices (ec1@ss10.0.1-27-37-04-14 [AKF012014])

Lockable		Yes
Colour		Black
Suitable for emergency stop		No
With extension shaft		No
Suitable for power circuit breaker		Yes
Suitable for switch disconnect		Yes

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
Degree of Protection		IEC: IP66, UL/CSA Type 4X, 12

Dimensions

Technical drawing of the NZM1-XRAV(R) circuit breaker. The front view (left) shows a width of 117 mm (dimension 1) and a total width of 148 mm (dimension 2). The side view (right) shows a height of 145 mm and a depth of 115 mm. Dashed lines indicate internal components and mounting points.

① NZM1-XRAV(R)
 ② NZM1-4-XRAV(R)
 NZM1

Additional product information (links)

IL01219037Z (AWA1230-2369) NZM1, NZM2 Rear drive	
IL01219037Z (AWA1230-2369) NZM1, NZM2 Rear drive	https://es-assets.eaton.com/DOCUMENTATION/AWA_INSTRUCTIONS/IL01219037Z2015_09.pdf