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NZM3-XR208-240AC - Remote operator, 208-240VAC, for size 3



259850 NZM3-XR208-240AC

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259850 NZM3-XR208-240AC

Remote operator, 208-240VAC, for size 3

EL-Nummer (Norway)

4358803

Optional accessories for the circuit-breaker series NZM offers a comprehensive portfolio of application options for use world wide. The mounting is always flexible and easy thanks to the modular function groups. Notes: for remote switching of circuit-breakers and switch-disconnectors. ON and OFF switching and resetting by means of two-wire or three-wire control. Local switching by hand possible. lockable in the 0 position of the remote operator with up to 3 padlocks (hasp thickness: 4–8mm). Can be synchronized. Cannot be combined with mechanical interlock. Cannot be combined with dual auxiliary switch M22-CK11. Can be used for: NZM(-4), N(NO)3(-4)



- Delivery program
- Technical data
- Design verification as per IEC/EN 61439
- Technical data ETIM 7.0
- Approvals
- Dimensions

Delivery program

Product range

Accessories

Accessories

Remote operator, can be synchronized

Rated operating frequency

AC 50/60 Hz

Standard/Approval

UL/CSA, IEC

Construction size

NZM3

Description

For remote switching of circuit-breakers and switch-disconnectors.

ON and OFF switching and resetting by means of two-wire or three-wire control.

Local switching by hand possible.

Lockable in the 0 position of the remote operator with up to 3 padlocks (hasp thickness: 4 – 8 mm)

Can be synchronized

	Please note during engineering:
Three-wire control	Terminal 70/71:
	NZM-XR: Contact loading according to technical data
	NZM2-XRD: Full current flows through the contact during make and break!
	RMQ series contact elements can be used for the NZM2(3,4)-XR(D)...remote operators.

Two-wire control	Terminal 75:
	NZM-XR: Operational readiness signal when cover closed and not locked.
	NZM2-XRD: Operational readiness signal when sliding switch set to Auto.
	Sliding switch with three positions: Manual/Auto/Locked for reliable differentiation of connected positions.
	AC-15: 400 V; 2 A
	DC-13: 220 V; 0.2 A
Switching cycle:	
NZM2-XR	
NZM3-XR	
NZM4-XR	
	The time interval between OFF and ON is 3 seconds. On commands received during the time interval are ignored within the first 3 seconds after switch off.
Parallel remote operator connection	

Closing delay

80 ms

Break time

1000 ms

Rated control voltage [U_s]

208 - 240 V 50/60 Hz V

Number of poles

3/4 pole

For use with

NZM3(-4)

N(S)3(-4)

Project planning information

Cannot be combined with switch-disconnector FN..

M22-CK11(20/02) dual auxiliary switch cannot be combined with NZM3-XR... remote operator

Engineering information (sheet catalog)

[2/3-wire control and circuit diagrams](#)

Technical data

Remote operator

Rated control voltage [U_s] AC [U_s]

208-240 V AC

Operating range AC

0.85 - 1.1 x U_s

Operating range DC

0.85 - 1.1 x U_s

Motor rating AC 110 V ... 130 V AC [S]

350 VA

Minimum signal duration with switch on

30 ms

Minimum signal duration with switch off

250 ms

Lifespan, mechanical [Operations]

15000

Maximum operating frequency Max. operating frequency

60 Ops/h

Terminal capacities Solid or flexible conductor, with ferrule

0,75 - 2,5 mm²

Terminal capacities

18 ... 14 AWG

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 Strength of materials and parts 10.2.3.1 Verification of thermal stability of enclosures

Meets the product standard's requirements.

10.2 Strength of materials and parts 10.2.3.2 Verification of resistance of insulating materials to normal heat

Meets the product standard's requirements.

10.2 Strength of materials and parts 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 Strength of materials and parts 10.2.4 Resistance to ultra-violet (UV) radiation

Meets the product standard's requirements.

10.2 Strength of materials and parts 10.2.5 Lifting

Does not apply, since the entire switchgear needs to be evaluated.

10.2 Strength of materials and parts 10.2.6 Mechanical impact

Does not apply, since the entire switchgear needs to be evaluated.

10.2 Strength of materials and parts 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 Insulation properties 10.9.3 Impulse withstand voltage

Is the panel builder's responsibility.

10.9 Insulation properties 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) / Motor operator for power circuit-breaker (EC001030)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Circuit breaker (LV < 1 kV) / Electrical drive for circuit breakers (ecl@ss10.0.1-27-37-04-12 [AKF010013])

Type of switch drive

Motor drive

Rated control supply voltage U_s at AC 50Hz

208 - 240 V

Rated control supply voltage U_s at AC 60Hz

208 - 240 V

Rated control supply voltage U_s at DC

0 - 0 V

Voltage type for actuating

AC

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



CAD data

- [Product-specific CAD data](#)
(Web)
- [3D Preview](#)
(Web)

DWG files

- [DA-CD-nzm3_xr](#)
File
(Web)

edz files

- [DA-CE-ETN.NZM3-XR208-240AC](#)
File
(Web)

Step files

- [DA-CS-nzm3_xr](#)
File
(Web)

Additional product information

- [2/3-wire control and circuit diagrams](#)
(Web)

Dimensions single product

- [123X196](#)
Line drawing
Padlock
- 
[123X498](#)
Line drawing
Remote operator

Product photo

- 
[1230PIC-1434](#)
Photo
Remote operator, 110-130 VAC, for size 3, can be synchronized

Instruction Leaflet

- [IL01208006Z](#)
Asset
(PDF, Language independent)

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