Remote operator, 208-240VAC, for size 2

Part no. NZM2-XR208-240AC
Article no. 259832

Delivery programme

<table>
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<tr>
<th>Product range</th>
<th>Accessories</th>
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<tbody>
<tr>
<td>Accessories</td>
<td>Remote operator, can be synchronized</td>
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<table>
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<tr>
<th>Rated operating frequency</th>
<th>AC 50/60 Hz</th>
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<tbody>
<tr>
<td>Standard/Approval</td>
<td>UL/CSA, IEC</td>
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<tr>
<td>Construction size</td>
<td>NZM2</td>
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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 (hassp thickness: 4 – 8 mm)

Can be synchronized

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(3)…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

Three-wire control with automatic reset to the 0 position after the switch has tripped

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 ms 60
Break time ms 300
Rated control voltage $U_s$ V 208 - 240 V 50/60 Hz
Number of poles 3/4 pole
For use with NZM2(3)
N(S)2(4)

Project planning information

Cannot be combined with switch-disconnector PN...
Do not install M22-CK11(20/02) dual auxiliary contacts in the center auxiliary contact slot in NZM2-XRD

### Technical data

<table>
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<tr>
<th>Remote operator</th>
<th>2/3-wire control and circuit diagrams</th>
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<tr>
<td>Rated control voltage</td>
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<td>AC</td>
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<tr>
<td>Operating range</td>
<td></td>
</tr>
<tr>
<td>AC</td>
<td></td>
</tr>
<tr>
<td>DC</td>
<td></td>
</tr>
<tr>
<td>Current heat loss per pole at $I_u$</td>
<td></td>
</tr>
<tr>
<td>AC</td>
<td></td>
</tr>
<tr>
<td>DC</td>
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<td>Minimum signal duration</td>
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<td>with switch on</td>
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</tr>
<tr>
<td>with switch off</td>
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<tr>
<td>Lifespan, mechanical</td>
<td></td>
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<tr>
<td>Maximum operating frequency</td>
<td></td>
</tr>
<tr>
<td>Terminal capacities</td>
<td></td>
</tr>
<tr>
<td>Solid or flexible conductor, with ferrule</td>
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</table>

### Design verification as per IEC/EN 61439

**IEC/EN 61439 design verification**

10.2 Strength of materials and parts

10.2.1 Corrosion resistance

10.2.2 Verification of thermal stability of enclosures

10.2.3 Verification of resistance of insulating materials to normal heat

10.2.4 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects

10.2.5 Resistance to ultra-violet (UV) radiation

10.2.6 Lifting

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 electrical circuits and connections

10.8 Connections for external conductors

10.9 Insulation properties

10.9.2 Power-frequency electric strength

10.9.3 Impulse withstand voltage

10.9.4 Testing of enclosures made of insulating material

10.10 Temperature rise

10.11 Short-circuit rating

10.12 Electromagnetic compatibility

10.13 Mechanical function

Meets the product standard’s requirements.

Meets the product standard’s requirements.

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.

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

Is the panel builder’s responsibility.

Is the panel builder’s responsibility.

Is the panel builder’s responsibility.

The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.

Is the panel builder’s responsibility. The specifications for the switchgear must be observed.

Is the panel builder’s responsibility. The specifications for the switchgear must be observed.

The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.
Technical data ETIM 6.0
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@ss8.1-27-37-04-12 [AKF010010])

<table>
<thead>
<tr>
<th>Type of switch drive</th>
<th>Motor drive</th>
</tr>
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<tbody>
<tr>
<td>Rated control supply voltage Us at AC 50HZ</td>
<td>V 208 - 240</td>
</tr>
<tr>
<td>Rated control supply voltage Us at AC 60HZ</td>
<td>V 208 - 240</td>
</tr>
<tr>
<td>Rated control supply voltage Us at DC</td>
<td>V 0 - 0</td>
</tr>
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</table>

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.
023096
CSA Class No.
1437-01
North America Certification
UL listed, CSA certified

Dimensions

Additional product information (links)
IL01206002Z (AWA1230-1984) NZM2 remote operator
IL01206002Z (AWA1230-1984) NZM2 remote operator
2/3-wire control and circuit diagrams