

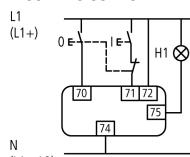
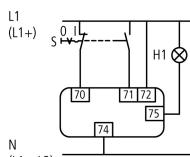
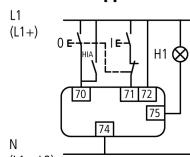
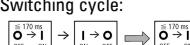
## Remote operator, 208-240VAC, standard

Part no. **NZM2-XRD208-240AC**  
 Catalog No. **115391**  
**EL-Nummer** **4315518**  
**(Norway)**



Powering Business Worldwide™

## Delivery program

|                              |                |  |
|------------------------------|----------------|--|
| Product range                |                | Accessories  |
| Accessories                  |                | Remote operator, standard  |
| Rated operating frequency    |                | AC 50/60 Hz  |
| Standard/Approval            |                | UL/CSA, IEC  |
| Construction size            |                | NZM2   |
| Description                  |                | For remote switching of circuit-breakers and switch-disconnectors.<br><br>ON and OFF switching and resetting by means of two-wire or three-wire control.<br><br>Local switching by hand possible.<br><br>Lockable in the 0 position of the remote operator with up to 3 padlocks (hasp thickness: 4 – 8 mm)  |
|                              |                | <b>Three-wire control</b><br><br><br><b>Two-wire control</b><br><br><br><b>Three-wire control with automatic reset to the 0 position after the switch has tripped</b><br><br><br><b>Switching cycle:</b><br><br><br><b>Parallel remote operator connection</b><br> |
| Closing delay                | ms             | 110 – 170  |
| Break time                   | ms             | 110 – 170  |
| Rated control voltage        | U <sub>s</sub> | 208 – 240 V 50/60 Hz   |
| Number of poles              |                | 3/4 pole   |
| For use with                 |                | NZM2(-4)<br>N(S)2(-4)  |
| Project planning information |                | Sliding switch for "Auto" or "Manual"<br>Max. number auxiliary contacts: 2 standard auxiliary contacts, 1 trip-indicating auxiliary switches<br>Cannot be combined with switch-disconnector PN...<br>Cannot be combined with mechanical interlock<br>Do not install M22-CK11(20/02) dual auxiliary contacts in the center auxiliary contact slot in NZM2-XRD   |

## Technical data

### Remote operator

|   |                |                  |            |
|---|----------------|------------------|------------|
| Rated control voltage                     | U <sub>s</sub> | V                |            |
| AC  | U <sub>s</sub> | V AC             | 208 - 240  |
| Operating range                           |                | x U <sub>s</sub> | 0.85 - 1.1 |
| AC  |                | x U <sub>s</sub> | 0.85 - 1.1 |
| DC  |                |                  |            |
| Motor rating                              |                |                  |            |
| AC  |                |                  |            |
| 110 V ... 130 V AC                        | S              | VA               | 550        |
| Minimum signal duration                   |                |                  |            |
| with switch on                            |                | ms               | 100        |
| with switch off                           |                | ms               | 100        |
| Lifespan, mechanical                      | Operations     |                  | 20000      |
| Maximum operating frequency               |                | Ops./h           |            |
| Max. operating frequency                  |                | Ops/h            | 120        |
| Terminal capacities                       |                | mm <sup>2</sup>  |            |
| Solid or flexible conductor, with ferrule |                | mm <sup>2</sup>  | 0,75 - 2,5 |
|   |                | AWG              | 18 ... 14  |

## 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 8.0

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 &lt; 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 Us at AC 50HZ | V | 208 - 240   |
| Rated control supply voltage Us at AC 60HZ | V | 208 - 240   |
| Rated control supply voltage Us at DC      | V | 0 - 0       |
| Voltage type for actuating                 |   | AC          |