Auxiliary contact, 2early N/O, operates as an early-make contact



Part no. NZM2/3-XHIV Catalog No. 259430

EL-Nummer (Norway) 4358870

Technical data

| A1 | | | |
|-------|------|-------|------|
| Auxil | ıarv | conta | ICTS |

| Auxiliary contacts | | | |
|---|----------------|-----------------|---|
| Rated operational voltage | U _e | V | |
| Rated operational voltage | Ue | V AC | 500 |
| Rated operational voltage, max. | Ue | V DC | 220 |
| Conventional thermal current | $I_{th} = I_e$ | CSA | 4 |
| Rated operational current | Ie | Α | |
| Different rated operational currents when used as auxiliary contact for NZM circuit-breaker | | | M22- M22- XHIV M24- |
| Short-circuit protection | | | 60 V le A 1.2 0.8 0.8 110 le A 0.8 0.5 0.5 V 220 le A 0.3 0.2 0.2 V |
| max. fuse | | A gG/gL | 10 |
| Max. miniature circuit-breaker | | Α | FAZ-B6 |
| Operating times | | | |
| | | | Early-make time of the HIV compared to the main contacts during with make and break switching. (switch times with manual operation): NZM1, PN1, N(S)1: ca. 20 ms NZM2, PN2, N(S)2: ca. 20 ms NZM3, PN3, N(S)3: ca. 20 ms NZM4, N(S)4: approx. 90 ms, the HIV switch early Off switching not forward. |
| Terminal capacities | | mm ² | |
| Solid or flexible conductor, with ferrule | | mm ² | 1 x (0,75 - 2,5) 2 x (0,75 - 2,5) 1 x (18 - 14) |
| | | AVVU | 2 x (18 - 14) |
| JL/CSA | | | |
| Rated operational current | le | Α | 2.5 A - 240 V AC 1 A - 250 V DC |
| Heavy Pilot Duty | | | C300/R300 |
| Other technical data (sheet catalogue) | | | Maximum equipment and position of the internal accessories Time differences ON-OFF |
| | | | |

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. |
| 0.3 Degree of protection of ASSEMBLIES | Does not apply, since the entire switchgear needs to be evaluated. |
| 0.4 Clearances and creepage distances | Meets the product standard's requirements. |
| 0.5 Protection against electric shock | Does not apply, since the entire switchgear needs to be evaluated. |
| 0.6 Incorporation of switching devices and components | Does not apply, since the entire switchgear needs to be evaluated. |
| 0.7 Internal electrical circuits and connections | Is the panel builder's responsibility. |
| 0.8 Connections for external conductors | Is the panel builder's responsibility. |
| 0.9 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. |
| 0.10 Temperature rise | The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices. |
| 0.11 Short-circuit rating | Is the panel builder's responsibility. The specifications for the switchgear mus observed. |
| 0.12 Electromagnetic compatibility | Is the panel builder's responsibility. The specifications for the switchgear mus observed. |
| 0.13 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) / Auxiliary contact block (EC000041)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Component for low-voltage switching technology / Auxiliary switch block (ecl@ss10.0.1-27-37-13-02 [AKN342013])

Number of contacts as change-over contact

Number of contacts as normally open contact

Number of contacts as normally closed contact

Number of fault-signal switches

Description current le at AC-15, 230 V

 Number of contacts as normally closed contact
 0

 Number of fault-signal switches
 0

 Rated operation current le at AC-15, 230 V
 A
 4

 Type of electric connection
 Screw connection

 Model
 Integrable

 Mounting method
 Other

 Lamp holder
 None