

Undervoltage release, for delay unit

Part no. **NZM1-XUVL**
271607

| General specifications | | |
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| Product name | | Eaton Moeller series NZM release |
| Part no. | | NZM1-XUVL |
| EAN | | 4015082716073 |
| Product Length/Depth | | 37 millimetre |
| Product height | | 66 millimetre |
| Product width | | 32 millimetre |
| Product weight | | 0.044 kilogram |
| Compliances | | IEC RoHS conform |
| Certifications | | UL (File No. E140305) CSA (Class No. 1437-01) CSA certified CSA-C22.2 No. 5-09 IEC60947 CE marking UL (Category Control Number DIHS) UL listed UL489 CSA (File No. 22086) |
| Product Tradename | | NZM |
| Product Type | | Accessories |
| Product Sub Type | | Release |
| Delivery program | | |
| Type | | Accessory Undervoltage release Undervoltage release, off-delayed |
| Special features | | Special releases for combining with separate delay time. For use with emergency-stop devices in connection with an emergency-stop button. not UL/CSA approved UVU-NZM delay unit is additionally required. Cannot be installed simultaneously with separate NZM...-XHIV early-make auxiliary contact or NZM...-XA... shunt release. |
| Frame | | NZM1 |
| Suitable for | | Off-load switch |
| Used with | | N(S)1(-4) NZM1(-4) |
| Technical Data - Electrical | | |
| Voltage type | | DC |
| Voltage rating at DC | | 18 V DC |
| Rated control supply voltage (Us) at AC, 50 Hz - min | | 0 V |
| Rated control supply voltage (Us) at AC, 50 Hz - max | | 0 V |
| Rated control supply voltage (Us) at AC, 60 Hz - min | | 0 V |
| Rated control supply voltage (Us) at AC, 60 Hz - max | | 0 V |
| Rated control supply voltage (Us) at DC - min | | 0 V |
| Rated control supply voltage (Us) at DC - max | | 0 V |
| Electric connection type | | Screw connection |
| Technical Data - Mechanical | | |
| Number of contacts (change-over contacts) | | 0 |
| Number of contacts (normally closed contacts) | | 0 |
| Number of contacts (normally open contacts) | | 0 |
| Connection type | | With 3 m loose connection cable instead of screw termination |
| Special features | | Special releases for combining with separate delay time. For use with emergency-stop devices in connection with an emergency-stop button. not UL/CSA approved UVU-NZM delay unit is additionally required. Cannot be installed simultaneously with separate NZM...-XHIV early-make auxiliary contact or NZM...-XA... shunt release. |
| Technical Data - Mechanical - Terminals | | |
| Terminal capacity (solid/flexible conductor) | | 0.75 mm ² - 2.5 mm ² (1x) at shunt release with ferrule 0.75 mm ² - 2.5 mm ² (2x) at shunt release with ferrule |

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| | | 0.75 mm ² - 2.5 mm ² (2x) for undervoltage releases, off-delayed with ferrule 18 - 14 AWG (2x) at shunt release 18 - 14 AWG (1x) for undervoltage releases, off-delayed 18 - 14 AWG (2x) for undervoltage releases, off-delayed 0.75 mm ² - 2.5 mm ² (1x) for undervoltage releases, off-delayed with ferrule 18 - 14 AWG (1x) at shunt release |
| Design verification as per IEC/EN 61439 | | |
| 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 Resist. of insul. mat. to abnormal heat/fire by internal elect. 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. |
| 10.9.2 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. |
| Additional information | | |
| Functions | | Delayed |

Technical data ETIM 9.0

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| Low-voltage industrial components (EG000017) / Under voltage coil (EC001022) | | |
| Electric engineering, automation, process control engineering / Low-voltage switch technology / Circuit breaker (LV < 1 kV) / Undervoltage trip (ecl@ss13-27-37-04-17 [AKF015018]) | | |
| Rated control supply voltage AC 50 Hz | V | 0 - 0 |
| Rated control supply voltage AC 60 Hz | V | 0 - 0 |
| Rated control supply voltage DC | V | 0 - 0 |
| Voltage type for actuating | | DC |
| Type of electric connection | | Screw connection |
| Number of contacts as normally open contact | | 0 |
| Number of contacts as normally closed contact | | 0 |
| Number of contacts as change-over contact | | 0 |
| Delayed | | Yes |
| Suitable for power circuit breaker | | No |
| Suitable for off-load switch | | Yes |
| Suitable for motor safety switch | | No |
| Suitable for overload relay | | No |