

Undervoltage release, delayed, 24 V DC



Part no. **P-SOL-XUV(24VDC)**
157861

| General specifications | |
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| Product name | Eaton Moeller® series P-SOL Accessory Undervoltage Release |
| Part no. | P-SOL-XUV(24VDC) |
| EAN | 4015081544516 |
| Product Length/Depth | 68 millimetre |
| Product height | 90 millimetre |
| Product width | 24 millimetre |
| Product weight | 0.148 kilogram |
| Compliances | CE |
| Product Tradename | P-SOL |
| Product Type | Accessory |
| Product Sub Type | Undervoltage Release |
| Features & Functions | |
| Electric connection type | Screw connection |
| Fitted with: | Internal delay for bridging intermittent voltage dips and fluctuations |
| Functions | Delayed |
| General information | |
| Application | Residential buildings Utility buildings |
| Product category | Accessories |
| Suitable for | Off-load switch |
| Voltage type | DC |
| Climatic environmental conditions | |
| Ambient operating temperature - min | -25 °C |
| Ambient operating temperature - max | 60 °C |
| Terminal capacities | |
| Terminal capacity (solid/flexible with ferrule) | 2 x (0,75 - 2,5) mm ² 1 x (0,75 - 2,5) mm ² |
| Terminal capacity (solid/stranded AWG) | 1 x (18 - 14) 2 x (18 - 14) |
| Electrical rating | |
| Rated operational voltage (Ue) at DC - min | 24 V |
| Rated operational voltage (Ue) at DC - max | 24 V |
| Magnet system | |
| Pick-up voltage | 0.85 - 1.1 V x Uc |
| 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 | 24 V |
| Contacts | |
| Number of contacts (change-over contacts) | 0 |
| Number of contacts (normally closed contacts) | 0 |
| Number of contacts (normally open contacts) | 0 |
| Power consumption | |
| Power consumption (pick-up) at DC | 3 W |
| Power consumption (sealing) at DC | 3 W |

| Design verification | | |
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| Equipment heat dissipation, current-dependent Pvid | | 0 W |
| Heat dissipation capacity P _{diss} | | 0 W |
| Heat dissipation per pole, current-dependent Pvid | | 0 W |
| Rated operational current for specified heat dissipation (I _n) | | 0 A |
| Static heat dissipation, non-current-dependent P _{vs} | | 0.8 W |
| 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. |

Technical data ETIM 9.0

| Low-voltage industrial components (EG000017) / Under voltage coil (EC001022) | | |
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| 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 - 24 |
| 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 |