

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



Part no. VHI20-PKZ0
203595
EL Number 4315166
(Norway)

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| General specifications | | |
| Product name | | Eaton Moeller® series PKZ0 Accessory Auxiliary contact |
| Part no. | | VHI20-PKZ0 |
| EAN | | 4015082035952 |
| Product Length/Depth | | 40 millimetre |
| Product height | | 44 millimetre |
| Product width | | 45 millimetre |
| Product weight | | 0.029 kilogram |
| Certifications | | CSA-C22.2 No. 14 IEC/EN 60947-4-1 CE UL CSA UL File No.: E36332 CSA File No.: 165628 UL Category Control No.: NLRV CSA Class No.: 3211-05 UL 508 |
| Product Tradename | | PKZ0 |
| Product Type | | Accessory |
| Product Sub Type | | Auxiliary contact |
| Catalog Notes | | For the premature voltage application of the U-release, e.g. in EMERGENCY STOP circuits according to EN 60204. |
| Features & Functions | | |
| Electric connection type | | Screw connection |
| General information | | |
| Lifespan, electrical | | 100,000 Operations |
| Lifespan, mechanical | | 100,000 Operations |
| Model | | Top mounting |
| Mounting method | | Front fastening |
| Overvoltage category | | III |
| Pollution degree | | 3 |
| Product category | | Accessories |
| Rated impulse withstand voltage (Uimp) | | 4000 V AC |
| Used with | | Motor protective circuit-breaker PKZ0-X(R)H(-M),MSC-... and PKZM0-X...M12 |
| Climatic environmental conditions | | |
| Ambient operating temperature - min | | -25 °C |
| Ambient operating temperature - max | | 55 °C |
| Terminal capacities | | |
| Terminal capacity (solid/flexible with ferrule) | | 0.75 - 1.5 mm² |
| Terminal capacity (solid/stranded AWG) | | 18 - 16 |
| Electrical rating | | |
| Rated operational current (Ie) at AC-15, 220 V, 230 V, 240 V | | 1 A |
| Rated operational current (Ie) at DC-13, 24 V | | 2 A |
| Rated operational voltage (Ue) at AC - max | | 440 V |
| Rated operational voltage (Ue) at DC - max | | 250 V |
| Safe isolation | | 440 V, Between auxiliary contacts and main contacts, According to EN 61140 |
| Short-circuit protection rating without welding | | 10 A gG/gL, Fuse, Auxiliary contacts |
| Switching capacity | | |
| Switching capacity (auxiliary contacts, general use) | | 0.5 A, 300 V AC, (UL/CSA) |

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| Switching capacity (auxiliary contacts, pilot duty) | | | E150, AC operated (UL/CSA) |
| Communication | | | |
| Connection type | | | Screw connection |
| Contacts | | | |
| Control circuit reliability | | | < 2 λ, < 1 failure at 100,000,000 Operations (at U# = 24 V DC, Umin = 17 V, Imin = 5.4 mA) |
| Number of contacts (change-over contacts) | | | 0 |
| Number of contacts (normally closed contacts) | | | 0 |
| Number of contacts (normally open contacts) | | | 2 |
| Design verification | | | |
| Equipment heat dissipation, current-dependent Pvid | | | 0 W |
| Heat dissipation capacity Pdis | | | 0 W |
| Heat dissipation per pole, current-dependent Pvid | | | 0.03 W |
| Rated operational current for specified heat dissipation (In) | | | 1 A |
| Static heat dissipation, non-current-dependent Pvs | | | 0 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

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| 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 (ec1@ss13-27-37-13-02 [AKN342018]) | | | |
| Number of contacts as change-over contact | | | 0 |
| Number of contacts as normally open contact | | | 2 |
| Number of contacts as normally closed contact | | | 0 |
| Number of fault-signal switches | | | 0 |
| Rated operation current Ie at AC-15, 230 V | | A | 1 |
| Type of electric connection | | | Screw connection |
| Model | | | Clip-on |
| Mounting method | | | Front fastening |
| Lamp holder | | | None |