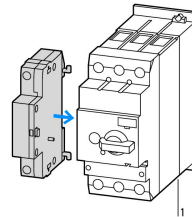
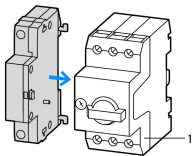


Undervoltage release PKZ0(4), PKE, AC, ...V 60 Hz (24 - 600 V), Screw terminals, non-standard voltage

Part no. U-PKZ0(*V60HZ)
Catalog No. 982163
Alternate Catalog No. -

Delivery program

| | | |
|----------------------|--|---|
| Product range | | Accessories |
| Accessories | | Undervoltage release |
| Actuating voltage | | ... V 60 Hz (24 - 600 V) |
| Voltage type | | Non-standard voltages outside standard voltages |
| Current actuation | | AC |
| Connection technique | | Screw terminals |
| For use with | | Undervoltage release PKZ0(4), PKE |
| For use with | | PKZM0 PKZM4 PKZM0-T PKM0 PKZM01 PKE |
| | | For non-standard voltages, the required actuation voltage from the specified range (...-...V) must be indicated in the * for the part no. |

Notes


1 Motorschutzschalter

Notes Can be fitted to the left of:
 Motor protective circuit-breaker
 Cannot be combined with:
 A-PKZ0 shunt release
 When combined with circuit-breaker can be used as emergency switching-off device according to EN 60204.

Technical data
General

| | | | |
|---|--|-----------------|--------------------------------------|
| Terminal capacities | | mm ² | |
| Solid or flexible conductor, with ferrule | | mm ² | 1 x (0,75 - 2,5) 2 x (0,75 - 2,5) |
| Solid or stranded | | AWG | 1 x (18 - 14) 2 x (18 - 14) |
| Actuating voltage | | | ... V 60 Hz (24 - 600 V) |

Pick-up-/drop-out voltage

| | | | |
|------------------|--|------------------|------------|
| Pick-up voltage | | x U _c | 0,85 - 1,1 |
| Drop-out voltage | | x U _c | 0,7 - 0,35 |

Power consumption

| | | | |
|---------------|---------|----|---|
| AC | | | |
| Pull-in power | Pick-up | VA | 5 |
| Sealing power | Sealing | VA | 3 |

Design verification as per IEC/EN 61439

| | | | |
|--|------------------|---|-----|
| Technical data for design verification | | | |
| Rated operational current for specified heat dissipation | I _n | A | 0 |
| Heat dissipation per pole, current-dependent | P _{vid} | W | 0 |
| Equipment heat dissipation, current-dependent | P _{vid} | W | 0 |
| Static heat dissipation, non-current-dependent | P _{vs} | W | 0.5 |

| | | | |
|--|-------------------|----|--|
| Heat dissipation capacity | P _{diss} | W | 0 |
| Operating ambient temperature min. | | °C | -25 |
| Operating ambient temperature max. | | °C | 55 |
| 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) / Under voltage coil (EC001022) | | | |
| Electric engineering, automation, process control engineering / Low-voltage switch technology / Circuit breaker (LV < 1 kV) / Undervoltage trip (ecl@ss10.0.1-27-37-04-17 [AKF015013]) | | | |
| Rated control supply voltage U _s at AC 50HZ | V | | 0 - 0 |
| Rated control supply voltage U _s at AC 60HZ | V | | 24 - 600 |
| Rated control supply voltage U _s at DC | V | | 0 - 0 |
| Voltage type for actuating | | | AC |
| 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 | | | No |
| Suitable for power circuit breaker | | | No |
| Suitable for off-load switch | | | No |
| Suitable for motor safety switch | | | Yes |
| Suitable for overload relay | | | No |