DATASHEET - Z-R23/16-10



Installation relay, 24 V DC, 1NO, 16A

Part no. Catalog No.

Z-R23/16-10 ICS-R16D024B100



EL-Nummer (Norway)

4100210

Similar to illustration

Design verification as per IEC/EN 61439

| Technical data for design verification | | | |
|--|------------------|---|--|
| Rated operational current for specified heat dissipation | I _n | А | 16 |
| Equipment heat dissipation, current-dependent | P _{vid} | W | 0.8 |
| 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 7.0

Devices for distribution board-/surface mounting (EG000062) / Installation relay (EC001652)

Electric engineering, automation, process control engineering / Electrical installation, device / Modular serial built-in device for electrical circuit distributors / Installation relay for distribution board (ecl@ss10.0.1-27-14-23-09 [AFZ821014])

| Function | | Mechanical |
|---|----|------------|
| Mounting method | | DIN rail |
| Width in number of modular spacings | | 1 |
| Built-in depth | mm | 60 |
| Number of contacts as normally open contact | | 1 |
| Number of contacts as normally closed contact | | 0 |

| Number of contacts as change-over contactImage: set of control voltage 1Image: set of control voltage 1Image: set of control voltage 1Image: set of control voltage 2Image: set of contro | | | |
|--|---|----|-----------|
| Type of control voltage 1 C D Frequency control voltage 1 Hz 0 Control voltage 2 V 0 Type of control voltage 2 C D Frequency control voltage 2 C D Rated current A A Supply voltage A V Vertication A A Vertication | Number of contacts as change-over contact | | 0 |
| Frequency control voltage 1Hz0Control voltage 2V0Type of control voltage 2CDFrequency control voltage 2Hz0Rated currentABSupply voltageV240-240 | Control voltage 1 | V | 21 - 26 |
| Control voltage 2 V 0 - 0 Type of control voltage 2 Control voltage 2 DC Frequency control voltage 2 Hz 0 - 0 Rated current A 16 Supply voltage V 20 - 240 | Type of control voltage 1 | | DC |
| Type of control voltage 2 Hz DC Rated current A A Supply voltage V 240-240 | Frequency control voltage 1 | Hz | 0 - 0 |
| Frequency control voltage 2 Hz 0 - 0 Rated current A 16 Supply voltage V 240 - 240 | Control voltage 2 | V | 0 - 0 |
| Rated current A 16 Supply voltage V 240 - 240 | Type of control voltage 2 | | DC |
| Supply voltage V 240 - 240 | Frequency control voltage 2 | Hz | 0 - 0 |
| | Rated current | А | 16 |
| | Supply voltage | V | 240 - 240 |
| Voltage type of supply voltage AC | Voltage type of supply voltage | | AC |
| Max. incandescent lamp load W 720 | Max. incandescent lamp load | W | 720 |
| Max. load fluorescent lamp VA 303 | Max. load fluorescent lamp | VA | 303 |
| Max. load fluorescent lamp (Duo circuit) VA 541 | Max. load fluorescent lamp (Duo circuit) | VA | 541 |
| Max. load fluorescent lamp (parallel compensated) VA 271 | Max. load fluorescent lamp (parallel compensated) | VA | 271 |
| Max. switching current (cos phi = 0.6) A 5 | Max. switching current (cos phi = 0.6) | А | 5 |