## **DATASHEET - Z-R23/16-10**



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

Part no. Z-R23/16-10 Catalog No. ICS-R16D024B100

EL-Nummer (Norway)

4100210



Similar to illustration

**Design verification as per IEC/EN 61439** 

| Design verification as per IEC/EN 61439   |                  |   |  |
|---|------------------|---|--|
| Technical data for design verification  |                  |   |  |
| Rated operational current for specified heat dissipation  | In               | Α | 16   |
| Equipment heat dissipation, current-dependent   | P <sub>vid</sub> | 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 observed.                                      |
| 10.12 Electromagnetic compatibility   |                  |   | Is the panel builder's responsibility. The specifications for the switchgear must 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])

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

| Number of contacts as change-over contact         |    | 0         |
|---|----|-----------|
| Control voltage 1                                 | V  | 21 - 26   |
| Type of control voltage 1                         |    | DC        |
| Frequency control voltage 1                       | Hz | 0 - 0     |
| Control voltage 2                                 | V  | 0 - 0     |
| Type of control voltage 2                         |    | DC        |
| Frequency control voltage 2                       | Hz | 0 - 0     |
| Rated current                                     | А  | 16        |
| Supply voltage                                    | V  | 240 - 240 |
| Voltage type of supply voltage                    |    | AC        |
| Max. incandescent lamp load                       | W  | 720       |
| Max. load fluorescent lamp                        | VA | 303       |
| Max. load fluorescent lamp (Duo circuit)          | VA | 541       |
| Max. load fluorescent lamp (parallel compensated) | VA | 271       |
| Max. switching current (cos phi = 0.6)            | А  | 5         |