



ESD241

Contactor 40A, 2NC, 24V~50Hz

Technical properties

Architecture

| | |
|-----------------|----------------|
| Type of order | Not applicable |
| Number of poles | 2 P |

Configuration

| | |
|-------------------|---|
| Number of modules | 3 |
|-------------------|---|

Main electrical features

| | |
|------------------------------|-------|
| Rated operational voltage Ue | 400 V |
| Frequency | 50 Hz |

Voltage

| | |
|---------------------------------|-------|
| Rated insulation voltage | 440 V |
| DC control voltage | 0 V |
| Command voltage AC | 24 V |
| Rated impulse withstand voltage | 4 kV |

Electric current

| | |
|---|------|
| Rated current | 40 A |
| Thermal rated current outside of housings | 40 A |
| Acceptable current load with AC7 category A | 40 A |
| Acceptable current load with AC7 category B | 25 A |

Dimensions

| | |
|-----------------------------|-------|
| Depth of installed product | 60 mm |
| Height of installed product | 85 mm |
| Width of installed product | 54 mm |

Power

| | |
|---|--------|
| Inrush power absorbed | 60 VA |
| Operating consumption | 7 VA |
| Total power loss under IN | 6.4 W |
| Power loss per contact | 3.2 W |
| Power dissipation per coil | 2.2 W |
| Contact rating with 230 V in AC7 category A | 7.3 kW |
| Contact rating with 230 V in AC7 category B | 2.6 kW |
| Contact rating with 400 V in AC7 category A | 22 kW |
| Contact rating with 400 V in AC7 category B | 7.8 kW |

| Tripping | |
|---|----------------------------|
| Time of response when opening | 20 ms |
| Time of response when closing | 25 ms |
| Resistance | |
| Winding resistance | 5.6 Ω |
| Endurance | |
| Electric endurance in number of cycles | 30000 |
| Number of mechanical operations | 100000 |
| Fluorescent bulbs control | |
| Max. power with fluorescent parallel lamps | 1300 VA |
| Fluorescent lamps in duo circuit | 3000 VA |
| Max. load fluorescent lamp | 1900 VA |
| Incandescent bulbs control | |
| Max. power with incandescent lamps | 4000 W |
| Installation, mounting | |
| Tightening torque | Coil: 2,5Nm ; Power: 3,5Nm |
| Connection | |
| Connection cross-sect. flexible conductor | 1,5 / 16mm ² |
| Connection cross-sect. rigid cable | 1,5 / 25mm ² |
| Number of contacts | 2 |
| Type of contacts | 2NC |
| Type of connection | with screw |
| Connection cross-section of the control cable solid | 1 / 2.5 mm ² |
| Equipment | |
| Can be accessorized | Yes |
| Use | |
| Local operation/hand operation | No |
| Safety | |
| Protection class | isol.class II |
| REACH conform | Yes |
| RoHS conform | Yes |
| Halogen free | No |
| Use conditions | |
| Operating temperature | -10...50 °C |
| Storage/transport temperature | -40...80 °C |