



ERL225

## Override Contactor 25A, 2NO, 12V~50Hz

### Technical properties

#### Architecture

|               |       |
|---------------|-------|
| Type of order | Relay |
|---------------|-------|

#### Configuration

|                   |   |
|-------------------|---|
| Number of modules | 1 |
|-------------------|---|

#### Main electrical features

|                              |       |
|------------------------------|-------|
| Rated operational voltage Ue | 230 V |
| Frequency                    | 50 Hz |

#### Voltage

|                                 |       |
|---------------------------------|-------|
| Rated insulation voltage        | 250 V |
| DC control voltage              | 0 V   |
| Command voltage AC              | 12 V  |
| Rated impulse withstand voltage | 4 kV  |

#### Electric current

|   |       |
|---|-------|
| Rated current                               | 25 A  |
| Thermal rated current outside of housings   | 25 A  |
| Acceptable current load with AC7 category A | 25 A  |
| Acceptable current load with AC7 category B | 8.5 A |

#### Dimensions

|                             |          |
|-----------------------------|----------|
| Depth of installed product  | 60 mm    |
| Height of installed product | 83 mm    |
| Width of installed product  | 17.85 mm |

#### Power

|   |         |
|---|---------|
| Inrush power absorbed                       | 10.7 VA |
| Operating consumption                       | 2.9 VA  |
| Total power loss under IN                   | 4 W     |
| Power loss per contact                      | 1.5 W   |
| Power dissipation per coil                  | 1 W     |
| Contact rating with 230 V in AC7 category A | 4.6 kW  |
| Contact rating with 230 V in AC7 category B | 880 W   |

#### Tripping

|                               |       |
|-------------------------------|-------|
| Time of response when opening | 15 ms |
| Time of response when closing | 25 ms |

**Endurance**

|  |        |
|--|--------|
| Electric endurance in number of cycles | 30000  |
| Number of mechanical operations        | 100000 |

**Fluorescent bulbs control**

|  |         |
|--|---------|
| Max. power with fluorescent parallel lamps | 810 VA  |
| Fluorescent lamps in duo circuit           | 1990 VA |
| Max. load fluorescent lamp                 | 950 VA  |

**Incandescent bulbs control**

|                                    |        |
|------------------------------------|--------|
| Max. power with incandescent lamps | 1900 W |
|------------------------------------|--------|

**Installation, mounting**

|                   |       |
|-------------------|-------|
| Tightening torque | 1,2Nm |
|-------------------|-------|

**Connection**

|   |                        |
|---|------------------------|
| Connection cross-sect. flexible conductor           | 1 / 6mm <sup>2</sup>   |
| Connection cross-sect. rigid cable                  | 1 / 10mm <sup>2</sup>  |
| Type of contacts                                    | 2NO                    |
| Type of connection                                  | with screw             |
| Connection cross-section of the control cable solid | 1 / 10 mm <sup>2</sup> |

**Equipment**

|                     |     |
|---------------------|-----|
| Can be accessorized | Yes |
|---------------------|-----|

**Use**

|                                |     |
|--------------------------------|-----|
| Local operation/hand operation | Yes |
|--------------------------------|-----|

**Safety**

|               |     |
|---------------|-----|
| REACH conform | Yes |
| RoHS conform  | Yes |
| Halogen free  | No  |

**Use conditions**

|                               |             |
|-------------------------------|-------------|
| Operating temperature         | -10...50 °C |
| Storage/transport temperature | -40...80 °C |