



## Contactor 25A, 4NO, 230V

ESC425

### Architecture

|                 |                |
|-----------------|----------------|
| Type of order   | Not applicable |
| Number of poles | 4 P            |

### Main electrical features

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

### Voltage

|                                 |       |
|---------------------------------|-------|
| Rated insulation voltage        | 440 V |
| Command voltage AC              | 230 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 |

### Power

|   |         |
|---|---------|
| Inrush power absorbed                       | 21 VA   |
| Operating consumption                       | 3,4 VA  |
| Total power loss under IN                   | 9,4 W   |
| Power loss per contact                      | 1,5 W   |
| Power dissipation per coil                  | 3,4 W   |
| Contact rating with 230 V in AC7 category A | 4,6 kW  |
| Contact rating with 230 V in AC7 category B | 880 W   |
| Contact rating with 400 V in AC7 category A | 13,8 kW |
| Contact rating with 400 V in AC7 category B | 2,6 kW  |

### Tripping

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

#### Resistance

|                    |        |
|--------------------|--------|
| Winding resistance | 3150 ? |
|--------------------|--------|

#### Endurance

|  |         |
|--|---------|
| Electric endurance in number of cycles | 30000   |
| Number of mechanical operations        | 1000000 |

#### Dimensions

|                             |          |
|-----------------------------|----------|
| Depth of installed product  | 60 mm    |
| Height of installed product | 83 mm    |
| Width of installed product  | 35,75 mm |

#### 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>  |
| Number of contacts                                  | 4                      |
| Type of contacts                                    | 4NO                    |
| Type of connection                                  | with screw             |
| Cable connect. cross section (flexible) for control | 1 / 6 mm <sup>2</sup>  |
| Connection cross-section of the control cable solid | 1 / 10 mm <sup>2</sup> |

#### Equipment

|                              |     |
|------------------------------|-----|
| Can be accessorized          | yes |
| With slide for manual switch | no  |

#### Use

|                                |    |
|--------------------------------|----|
| Local operation/hand operation | no |
|--------------------------------|----|

#### Standards

|                         |           |
|-------------------------|-----------|
| European directive WEEE | concerned |
|-------------------------|-----------|

#### Safety

|                     |               |
|---------------------|---------------|
| Protection index IP | IP2X          |
| Protection class    | isol.class II |

#### Use conditions

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