

**General characteristics**

|                   |                                                                                                  |
|-------------------|--------------------------------------------------------------------------------------------------|
| Switching diagram | 25 - 1-phase motor reversing switch with spring return                                           |
| N° of elements    | 2                                                                                                |
| Mounting form     | O88 - Rear mounting with red/yellow handle padlockable in 0, door coupling and protection covers |

**Contact characteristics**

|                                                           |                    |          |           |     |
|-----------------------------------------------------------|--------------------|----------|-----------|-----|
| Rated insulation voltage $U_i$                            | IEC/EN             | V        | 690       |     |
|                                                           | UL/CSA             | V        | 600       |     |
| Rated impulse withstand voltage $U_{imp}$                 |                    | kV       | 6         |     |
| Conventional free air thermal current $I_{th}$            | IEC/EN             | A        | 32        |     |
|                                                           | UL/CSA             | A        | 32        |     |
| Rated operational voltage                                 |                    | V        | 440       |     |
| Rated operational impulse voltage                         |                    | kV       | 4         |     |
| Maximum fuse size for short-circuit protection $I_n$ (gG) | 10kA               | A        | 35        |     |
|                                                           | 15kA               | A        | 35        |     |
|                                                           | 25kA               | A        | 35        |     |
| Rated short time current $I_{cw}$                         | 1s                 | kA       | 1000      |     |
|                                                           |                    |          | 10/5 mA/V |     |
| Conductivity                                              |                    |          | 10/5 mA/V |     |
| Operational current $I_e$ IEC/EN                          | AC1/AC21A          | A        | 32        |     |
|                                                           | AC15               |          |           |     |
|                                                           | 110V               | A        | 25        |     |
|                                                           | 220/230V           | A        | 20        |     |
|                                                           | 380/400V           | A        | 10        |     |
|                                                           | 660/690V           | A        | 2         |     |
| Rated operational power in AC                             | Three-phase AC-3   | 220/230V | kW        | 7.5 |
|                                                           |                    | 380/440V | kW        | 11  |
|                                                           |                    | 500/690V | kW        | 11  |
|                                                           | Single-phase AC-3  | 110V     | kW        | 1.8 |
|                                                           |                    | 220/230V | kW        | 3.5 |
|                                                           |                    | 380/440V | kW        | 5.5 |
|                                                           | Three-phase AC23A  | 220/230V | kW        | 8   |
|                                                           |                    | 380/440V | kW        | 15  |
|                                                           |                    | 500/690V | kW        | 15  |
|                                                           | Single-phase AC23A | 110V     | kW        | 2.2 |
|                                                           |                    | 220/230V | kW        | 3.5 |

|                                        | 380/440V | kW              | 6                 |
|----------------------------------------|----------|-----------------|-------------------|
| Rated operational current in DC        |          |                 |                   |
| DC21A                                  | 48V      | A               | 32                |
|                                        | 60V      | A               | 32                |
|                                        | 110V     | A               | 5                 |
|                                        | 220V     | A               | 0.8               |
|                                        | 440V     | A               | 0.25              |
| DC23A (poles in series)                | 24V      | A               | 32 (1)            |
|                                        | 48V      | A               | 32 (2)            |
|                                        | 60V      | A               | 32 (3)            |
|                                        | 110V     | A               | 15 (3)            |
|                                        | 220V     | A               | 12 (4)            |
| DC13                                   | 24V      | A               | 32                |
|                                        | 48V      | A               | 25                |
|                                        | 60V      | A               | 14                |
|                                        | 110V     | A               | 3                 |
|                                        | 220V     | A               | 0.5               |
|                                        | 440V     | A               | 0.15              |
| Power dissipation                      |          | W               | 1.6               |
| <b>Mechanical features</b>             |          |                 |                   |
| Terminals screw                        |          |                 | M4                |
| Tightening torque for terminals max    |          | Nm              | 1.2               |
| Conductor size                         |          |                 |                   |
| AWG - Rigid cable                      | min      | AWG             | 16                |
|                                        | Max      | AWG             | 8                 |
| AWG - Flexible cable                   | min      | AWG             | 16                |
|                                        | Max      | AWG             | 10                |
| Conductor size (IEC) - Flexible cable  | min      | mm <sup>2</sup> | 1.5               |
|                                        | Max      | mm <sup>2</sup> | 6                 |
| Conductor size (IEC) - Rigid cable     | min      | mm <sup>2</sup> | 1.5               |
|                                        | Max      | mm <sup>2</sup> | 10                |
| Mechanical life                        |          | cycles          | 1X10 <sup>6</sup> |
| <b>UL technical data</b>               |          |                 |                   |
| Motor power for direct-on-line control |          |                 |                   |
| for three-phase motor                  | 120V     | HP              | 3                 |
|                                        | 240V     | HP              | 7.5               |
|                                        | 480V     | HP              | 15                |
|                                        | 600V     | HP              | 15                |
| for single-phase motor                 | 120V     | HP              | 1.5               |
|                                        | 240V     | HP              | 3                 |
| <b>Ambient conditions</b>              |          |                 |                   |
| Temperature                            |          |                 |                   |
| Operating temperature                  | min      | °C              | -25               |
|                                        | max      | °C              | +55               |

Storage temperature

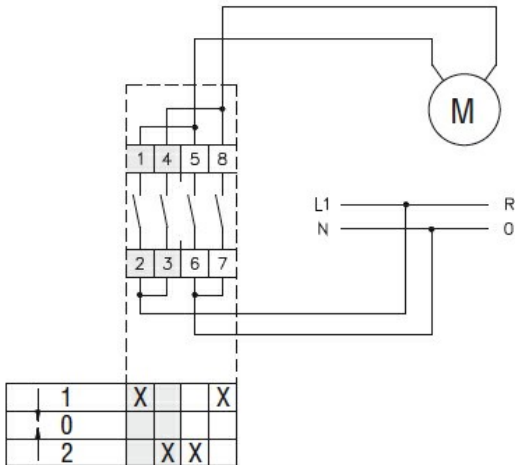
|     |    |     |
|-----|----|-----|
| min | °C | -40 |
| max | °C | +70 |

**Resistance & Protection**

|                     |      |
|---------------------|------|
| Frontal IP degree   | IP65 |
| Terminals IP degree | IP20 |

**Dimensions**

**Wiring diagrams**



**Certifications and compliance**

Compliance

- CSA C22.2 n° 14
- IEC/EN/BS 60947-1
- IEC/EN/BS 60947-3
- IEC/EN/BS 60947-5-1
- IEC/EN/BS 61058-1
- UL60947-4-1

Certificates

- cULus
- EAC

**ETIM classification**

ETIM 8.0

EC001029 -  
Selector switch,  
complete