



### General characteristics

|                   |                                      |
|-------------------|--------------------------------------|
| Switching diagram | 10 - ON/OFF switch 3 poles           |
| N° of elements    | 2                                    |
| Mounting form     | U - Front mounting with black handle |

### 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        | 25        |     |
|   | UL/CSA            | A        | 30        |     |
| Rated operational voltage                                 |                   | V        | 480       |     |
| Rated operational impulse voltage                         |                   | kV       | 4         |     |
| Maximum fuse size for short-circuit protection $I_n$ (gG) | 10kA              | A        | 25        |     |
|   | 15kA              | A        | 25        |     |
|   | 25kA              | A        | 25        |     |
| Rated short time current $I_{cw}$                         | 1s                | kA       | 400       |     |
|   |                   |          | 10/5 mA/V |     |
| Conductivity  |                   |          | 10/5 mA/V |     |
| Operational current $I_e$ IEC/EN                          | AC1/AC21A         | A        | 25        |     |
|   | AC15              |          |           |     |
|   | 110V              | A        | 16        |     |
|   | 220/230V          | A        | 12        |     |
|   | 380/400V          | A        | 8         |     |
|   | 660/690V          | A        | 2         |     |
| Rated operational power in AC                             | Three-phase AC-3  | 220/230V | kW        | 5.5 |
|   |                   | 380/440V | kW        | 7.5 |
|   |                   | 500/690V | kW        | 7.5 |
|   | Single-phase AC-3 | 110V     | kW        | 1.5 |
|   |                   | 220/230V | kW        | 3   |
|   |                   | 380/440V | kW        | 5.5 |
| Three-phase AC23A   | 220/230V          | kW       | 6.5       |     |
|   | 380/440V          | kW       | 11        |     |
|   | 500/690V          | kW       | 11        |     |
| Single-phase AC23A  |                   |          |           |     |

|   |          |                 |                   |
|---|----------|-----------------|-------------------|
|   | 110V     | kW              | 1.5               |
|   | 220/230V | kW              | 3.7               |
|   | 380/440V | kW              | 5.5               |
| <b>Rated operational current in DC</b>        |          |                 |                   |
| DC21A   | 48V      | A               | 25                |
|   | 60V      | A               | 25                |
|   | 110V     | A               | 4                 |
|   | 220V     | A               | 0.7               |
| DC23A (poles in series)                       | 24V      | A               | 25 (1)            |
|   | 48V      | A               | 25 (2)            |
|   | 60V      | A               | 25 (3)            |
|   | 110V     | A               | 12 (3)            |
|   | 220V     | A               | 10 (4)            |
| DC13  | 24V      | A               | 25                |
|   | 48V      | A               | 20                |
|   | 60V      | A               | 16                |
|   | 110V     | A               | 1.5               |
|   | 220V     | A               | 0.4               |
| Power dissipation                             |          | W               | 1.1               |
| <b>Mechanical features</b>                    |          |                 |                   |
| Terminals screw                               |          |                 | M3.5              |
| Tightening torque for terminals max           |          | Nm              | 0.8               |
| <b>Conductor size</b>                         |          |                 |                   |
| AWG - Rigid cable                             | min      | AWG             | 20                |
|   | Max      | AWG             | 10                |
| AWG - Flexible cable                          | min      | AWG             | 20                |
|   | Max      | AWG             | 12                |
| Conductor size (IEC) - Flexible cable         | min      | mm <sup>2</sup> | 0.5               |
|   | Max      | mm <sup>2</sup> | 4                 |
| Conductor size (IEC) - Rigid cable            | min      | mm <sup>2</sup> | 0.5               |
|   | Max      | mm <sup>2</sup> | 4                 |
| Mechanical life                               |          | cycles          | 5x10 <sup>6</sup> |
| <b>UL technical data</b>                      |          |                 |                   |
| <b>Motor power for direct-on-line control</b> |          |                 |                   |
| for three-phase motor                         | 120V     | HP              | 3                 |
|   | 240V     | HP              | 5                 |
|   | 480V     | HP              | 10                |
|   | 600V     | HP              | 15                |
| for single-phase motor                        | 120V     | HP              | 1.5               |
|   | 240V     | HP              | 3                 |
| <b>Ambient conditions</b>                     |          |                 |                   |
| <b>Temperature</b>                            |          |                 |                   |
| Operating temperature                         | min      | °C              | -25               |
|   | max      | °C              | +55               |

Storage temperature

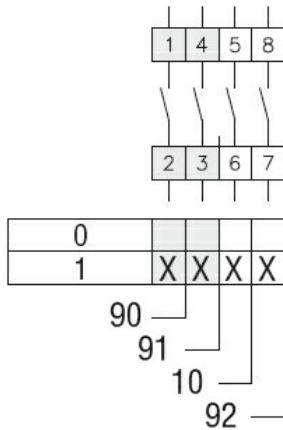
|     |    |     |
|-----|----|-----|
| min | °C | -40 |
| max | °C | +70 |

Resistance & Protection

|                     |      |
|---------------------|------|
| Frontal IP degree   | IP40 |
| Terminals IP degree | IP00 |

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  
UL60947-4-1

Certificates

cCSAus  
EAC  
UL

ETIM classification

ETIM 8.0

EC001105 - Off-load switch