

**General characteristics**

|                   |   |
|-------------------|---|
| Switching diagram | 07 - ON/OFF switch 3 poles  |
| N° of elements    | 2   |
| Mounting form     | U47 - Snap on front mounting with black handle for hole diam. 22mm fixing |

**Contact characteristics**

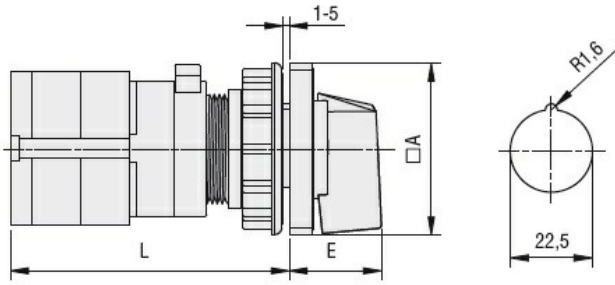
|   |                  |    |           |
|---|------------------|----|-----------|
| Rated insulation voltage $U_i$                            | IEC/EN           | V  | 690       |
|   | UL/CSA           | V  | 600       |
| Rated impulse withstand voltage $U_{imp}$                 |                  | 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       |
| Rated operational current in DC                           |                  |    |           |
| DC21A   |                  |    |           |

|  |      |                 |                   |
|--|------|-----------------|-------------------|
|  | 48V  | A               | 25                |
|  | 60V  | A               | 25                |
|  | 110V | A               | 4                 |
|  | 220V | A               | 0.7               |
| <hr/>                                  |      |                 |                   |
| DC23A (poles in series)                | 24V  | A               | 25 (1)            |
|  | 48V  | A               | 25 (2)            |
|  | 60V  | A               | 25 (3)            |
|  | 110V | A               | 12 (3)            |
|  | 220V | A               | 10 (4)            |
| <hr/>                                  |      |                 |                   |
| DC13                                   | 24V  | A               | 25                |
|  | 48V  | A               | 20                |
|  | 60V  | A               | 16                |
|  | 110V | A               | 1.5               |
|  | 220V | A               | 0.4               |
| <hr/>                                  |      |                 |                   |
| Power dissipation                      |      | W               | 1.1               |
| <b>Mechanical features</b>             |      |                 |                   |
| Terminals screw                        |      |                 | M3.5              |
| Tightening torque for terminals max    |      | Nm              | 0.8               |
| <hr/>                                  |      |                 |                   |
| Conductor size                         |      |                 |                   |
| AWG - Rigid cable                      | min  | AWG             | 20                |
|  | Max  | AWG             | 10                |
| <hr/>                                  |      |                 |                   |
| AWG - Flexible cable                   | min  | AWG             | 20                |
|  | Max  | AWG             | 12                |
| <hr/>                                  |      |                 |                   |
| Conductor size (IEC) - Flexible cable  | min  | mm <sup>2</sup> | 0.5               |
|  | Max  | mm <sup>2</sup> | 4                 |
| <hr/>                                  |      |                 |                   |
| Conductor size (IEC) - Rigid cable     | min  | mm <sup>2</sup> | 0.5               |
|  | Max  | mm <sup>2</sup> | 4                 |
| <hr/>                                  |      |                 |                   |
| Mechanical life                        |      | cycles          | 5x10 <sup>6</sup> |
| <b>UL technical data</b>               |      |                 |                   |
| Motor power for direct-on-line control |      |                 |                   |
| for three-phase motor                  | 120V | HP              | 3                 |
|  | 240V | HP              | 5                 |
|  | 480V | HP              | 10                |
|  | 600V | HP              | 15                |
| <hr/>                                  |      |                 |                   |
| for single-phase motor                 | 120V | HP              | 1.5               |
|  | 240V | HP              | 3                 |
| <hr/>                                  |      |                 |                   |
| <b>Ambient conditions</b>              |      |                 |                   |
| Temperature                            |      |                 |                   |
| Operating temperature                  | min  | °C              | -25               |
|  | max  | °C              | +55               |
| <hr/>                                  |      |                 |                   |
| Storage temperature                    | min  | °C              | -40               |
|  | max  | °C              | +70               |
| <hr/>                                  |      |                 |                   |
| <b>Resistance &amp; Protection</b>     |      |                 |                   |
| Frontal IP degree                      |      |                 | IP40              |

Terminals IP degree

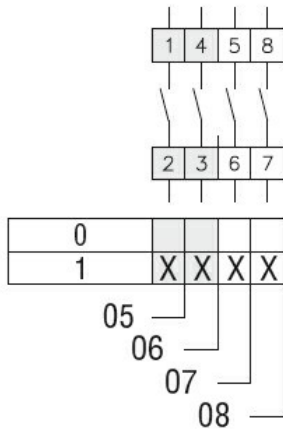
IP00

**Dimensions**



| Series | Dimensions |      | L    |      |       |       |
|--------|------------|------|------|------|-------|-------|
|        | □A         | E    | 1    | 2    | 3...8 |       |
| 7GN12  | 48         | 26.5 | 58   | 67.7 | 77.4  | 125.9 |
| 7GN20  | 48         | 26.5 | 58   | 67.7 | 77.4  | 125.9 |
| 7GN25  | 48         | 26.5 | 62.4 | 76   | 89.6  | 157.6 |

**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

EC001029 -  
Selector switch,  
complete