



### General characteristics

|                   |                                                                                    |
|-------------------|------------------------------------------------------------------------------------|
| Switching diagram | 92 - ON/OFF switch 4 poles                                                         |
| N° of elements    | 2                                                                                  |
| Mounting form     | U25 - Front mounting with red/yellow handle padlockable in 0 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  | 40        |
| Rated operational voltage                                 |                  | V  | 480       |
| Rated operational impulse voltage                         |                  | kV | 4         |
| Maximum fuse size for short-circuit protection $I_n$ (gG) | 10kA             | A  | 32        |
|                                                           | 15kA             | A  | 32        |
|                                                           | 25kA             | A  | 32        |
|                                                           | 50kA             | A  | 32        |
| Rated short time current $I_{cw}$                         |                  |    |           |
|                                                           | 1s               | kA | 800       |
| 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 | 2.2       |
|                                                           | 220/230V         | kW | 4         |
|                                                           | 380/440V         | kW | 6.5       |
|                                                           |                  |    |           |
| Three-phase AC23A                                         |                  |    |           |

|                                        |  |          |                 |                   |
|----------------------------------------|--|----------|-----------------|-------------------|
|                                        |  | 220/230V | kW              | 8                 |
|                                        |  | 380/440V | kW              | 15                |
|                                        |  | 500/690V | kW              | 18.5              |
| Single-phase AC23A                     |  |          |                 |                   |
|                                        |  | 110V     | kW              | 2.2               |
|                                        |  | 220/230V | kW              | 4                 |
|                                        |  | 380/440V | kW              | 7.5               |
| Rated operational current in DC        |  |          |                 |                   |
| DC21A                                  |  |          |                 |                   |
|                                        |  | 48V      | A               | 32                |
|                                        |  | 60V      | A               | 32                |
|                                        |  | 110V     | A               | 6                 |
|                                        |  | 220V     | A               | 0.9               |
| 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               | 16                |
|                                        |  | 110V     | A               | 3                 |
|                                        |  | 220V     | A               | 0.5               |
| Power dissipation                      |  |          | W               | 1.5               |
| Mechanical features                    |  |          |                 |                   |
| 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> | 4                 |
| Conductor size (IEC) - Rigid cable     |  |          |                 |                   |
|                                        |  | min      | mm <sup>2</sup> | 1.5               |
|                                        |  | Max      | mm <sup>2</sup> | 6                 |
| Mechanical life                        |  |          | cycles          | 5x10 <sup>6</sup> |
| UL technical data                      |  |          |                 |                   |
| Motor power for direct-on-line control |  |          |                 |                   |
| for three-phase motor                  |  |          |                 |                   |
|                                        |  | 120V     | HP              | 5                 |
|                                        |  | 240V     | HP              | 10                |
|                                        |  | 480V     | HP              | 15                |
|                                        |  | 600V     | HP              | 15                |
| for single-phase motor                 |  |          |                 |                   |
|                                        |  | 120V     | HP              | 2                 |
|                                        |  | 240V     | HP              | 5                 |
| Ambient conditions                     |  |          |                 |                   |

## Temperature

Operating temperature

|     |    |     |
|-----|----|-----|
| min | °C | -25 |
| max | °C | +55 |

Storage temperature

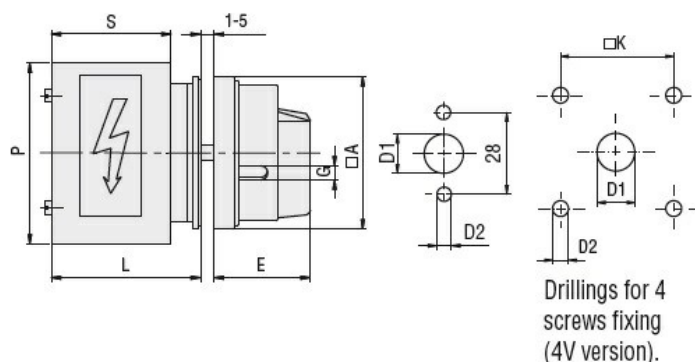
|     |    |     |
|-----|----|-----|
| min | °C | -40 |
| max | °C | +70 |

## Resistance & Protection

Frontal IP degree IP40

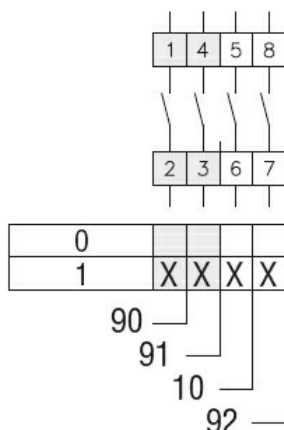
Terminals IP degree IP00

## Dimensions



| Series | Dimensions |    |    |      |   |    |    |    |      |
|--------|------------|----|----|------|---|----|----|----|------|
|        | □A         | D1 | D2 | E    | G | □K | S  | P  | L    |
| 7GN12  | 65         | 12 | 5  | 34.2 | 5 | 36 | 43 | 64 | 54.3 |
| 7GN20  | 65         | 12 | 5  | 34.2 | 5 | 36 | 43 | 64 | 54.3 |
| 7GN25  | 65         | 12 | 5  | 34.2 | 5 | 36 | 51 | 68 | 62.6 |
| 7GN32  | 65         | 14 | 5  | 38   | 6 | 48 | 55 | 77 | 71.7 |
| 7GN40  | 65         | 14 | 5  | 38   | 6 | 48 | 55 | 77 | 71.7 |

## 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

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EAC

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UL

ETIM classification

ETIM 8.0

EC001105 - Off-  
load switch