

**General characteristics**

|                   |  |
|-------------------|--|
| Switching diagram | 08 - 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       |      |
|   |                    |          | 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        | 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<br>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**

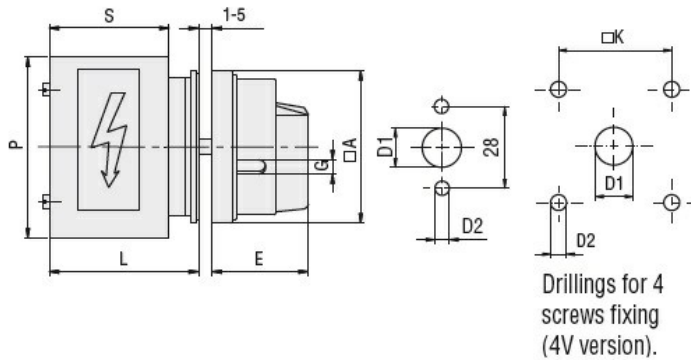
|                       |     |    |     |
|-----------------------|-----|----|-----|
| Operating temperature | min | °C | -25 |
|                       | max | °C | +55 |

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

**Resistance & Protection**

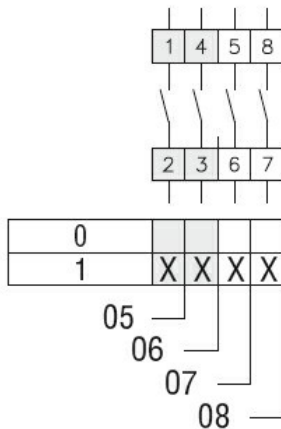
|                     |      |
|---------------------|------|
| Frontal IP degree   | IP40 |
| Terminals IP degree | IP00 |

**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  
EAC  
UL

**ETIM classification**

ETIM 8.0

EC001029 -  
Selector switch,  
complete