



### General characteristics

|                   |                                                                                                   |
|-------------------|---------------------------------------------------------------------------------------------------|
| Switching diagram | 92 - ON/OFF<br>switch 4 poles                                                                     |
| N° of elements    | 2                                                                                                 |
| Mounting form     | U65 - Front<br>mounting with<br>red/yellow handle<br>padlockable in 0<br>and protection<br>covers |

### Contact characteristics

|                                                           |                                          |                       |                                 |
|-----------------------------------------------------------|------------------------------------------|-----------------------|---------------------------------|
| Rated insulation voltage $U_i$                            | IEC/EN<br>UL/CSA                         | V<br>V                | 690<br>600                      |
| Rated impulse withstand voltage $U_{imp}$                 |                                          | kV                    | 6                               |
| Conventional free air thermal current $I_{th}$            | IEC/EN<br>UL/CSA                         | A<br>A                | 125<br>130                      |
| Rated operational voltage                                 |                                          | V                     | 690                             |
| Rated operational impulse voltage                         |                                          | kV                    | 6                               |
| Maximum fuse size for short-circuit protection $I_n$ (gG) | 10kA<br>15kA<br>25kA<br>50kA<br>63kA     | A<br>A<br>A<br>A<br>A | 125<br>100<br>100<br>100<br>100 |
| Rated short time current $I_{cw}$                         | 1s                                       | kA                    | 2100                            |
| Conductivity                                              |                                          |                       | 10/5 mA/V                       |
| Operational current $I_e$ IEC/EN                          |                                          |                       |                                 |
| AC1/AC21A                                                 |                                          | A                     | 125                             |
| AC15                                                      | 110V<br>220/230V<br>380/400V<br>660/690V | A<br>A<br>A<br>A      | 40<br>28<br>15<br>5             |
| Rated operational power in AC                             |                                          |                       |                                 |
| Three-phase AC-3                                          | 220/230V<br>380/440V<br>500/690V         | kW<br>kW<br>kW        | 18.5<br>37<br>33                |
| Single-phase AC-3                                         | 110V<br>220/230V<br>380/440V             | kW<br>kW<br>kW        | 5<br>11<br>15                   |

|                                        |          |                 |                   |
|----------------------------------------|----------|-----------------|-------------------|
| Three-phase AC23A                      |          |                 |                   |
|                                        | 220/230V | kW              | 30                |
|                                        | 380/440V | kW              | 45                |
|                                        | 500/690V | kW              | 37                |
| Single-phase AC23A                     |          |                 |                   |
|                                        | 110V     | kW              | 5                 |
|                                        | 220/230V | kW              | 11                |
|                                        | 380/440V | kW              | 15                |
| Rated operational current in DC        |          |                 |                   |
| DC21A                                  |          |                 |                   |
|                                        | 48V      | A               | 125               |
|                                        | 60V      | A               | 80                |
|                                        | 110V     | A               | 10                |
|                                        | 220V     | A               | 1.2               |
| DC23A (poles in series)                |          |                 |                   |
|                                        | 24V      | A               | 125 (1)           |
|                                        | 48V      | A               | 125 (2)           |
|                                        | 60V      | A               | 125 (3)           |
|                                        | 110V     | A               | 50 (3)            |
|                                        | 220V     | A               | 20 (4)            |
| DC13                                   |          |                 |                   |
|                                        | 24V      | A               | 125               |
|                                        | 48V      | A               | 100               |
|                                        | 60V      | A               | 50                |
|                                        | 110V     | A               | 4                 |
| Power dissipation                      |          | W               | 6.3               |
| Mechanical features                    |          |                 |                   |
| Terminals screw                        |          |                 | M2X5              |
| Tightening torque for terminals max    |          | Nm              | 2                 |
| Conductor size                         |          |                 |                   |
| AWG - Rigid cable                      |          |                 |                   |
|                                        | min      | AWG             | 14                |
|                                        | Max      | AWG             | 1/0               |
| AWG - Flexible cable                   |          |                 |                   |
|                                        | min      | AWG             | 14                |
|                                        | Max      | AWG             | 1/0               |
| Conductor size (IEC) - Flexible cable  |          |                 |                   |
|                                        | min      | mm <sup>2</sup> | 2.5               |
|                                        | Max      | mm <sup>2</sup> | 50                |
| Conductor size (IEC) - Rigid cable     |          |                 |                   |
|                                        | min      | mm <sup>2</sup> | 2.5               |
|                                        | Max      | mm <sup>2</sup> | 50                |
| Mechanical life                        |          | cycles          | 1X10 <sup>6</sup> |
| UL technical data                      |          |                 |                   |
| Motor power for direct-on-line control |          |                 |                   |
| for three-phase motor                  |          |                 |                   |
|                                        | 120V     | HP              | 15                |
|                                        | 240V     | HP              | 25                |
|                                        | 480V     | HP              | 50                |
|                                        | 600V     | HP              | 40                |
| for single-phase motor                 |          |                 |                   |
|                                        | 120V     | HP              | 5                 |
|                                        | 240V     | HP              | 15                |
| Ambient conditions                     |          |                 |                   |

Temperature

Operating temperature

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

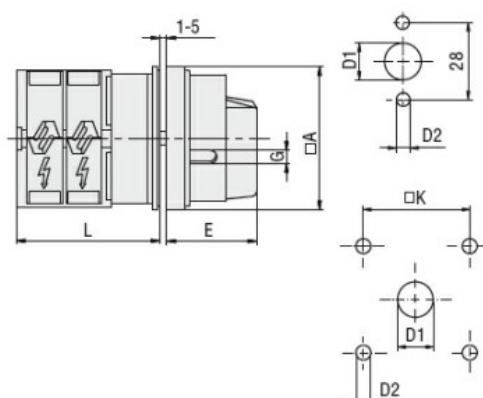
Storage temperature

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

Resistance & Protection

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

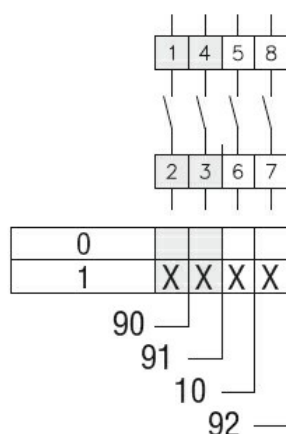
Dimensions



Standard drillings for 7GN125.  
Drillings on request for 4 screws fixing (4V version).

| Series | Dimensions |    |    |      |   |    | L    |      |          |       |
|--------|------------|----|----|------|---|----|------|------|----------|-------|
|        | □A         | D1 | D2 | E    | G | □K | 1    | 2    | 3.....12 |       |
| 7GN12  | 65         | 12 | 5  | 34.2 | 5 | 36 | 36.1 | 45.8 | 55.5     | 142.8 |
| 7GN20  | 65         | 12 | 5  | 34.2 | 5 | 36 | 36.1 | 45.8 | 55.5     | 142.8 |
| 7GN25  | 65         | 12 | 5  | 34.2 | 5 | 36 | 40.5 | 54.1 | 67.7     | 190.1 |
| 7GN32  | 65         | 14 | 5  | 38   | 6 | 48 | 46.5 | 61.6 | 76.7     | 212.6 |
| 7GN40  | 65         | 14 | 5  | 38   | 6 | 48 | 46.5 | 61.6 | 76.7     | 212.6 |
| 7GN63  | 65         | 14 | 5  | 38   | 6 | 48 | 50.3 | 68.4 | 86.5     | 249.4 |
| 7GN125 | 90         | 16 | 6  | 49   | 7 | 68 | 67.3 | 96.4 | 125.5    | 394.9 |

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

EAC  
UL

ETIM classification

ETIM 8.0

EC001105 - Off-load switch