



|                                                        |  |  |  |                                                                                                  |
|--------------------------------------------------------|--|--|--|--------------------------------------------------------------------------------------------------|
| Product designation                                    |  |  |  | Rotary cam switches                                                                              |
| Product type designation                               |  |  |  | 7GN32                                                                                            |
| General characteristics                                |  |  |  |                                                                                                  |
| Switching diagram                                      |  |  |  | 92 - ON/OFF switch 4 poles                                                                       |
| N° of elements                                         |  |  |  | 2                                                                                                |
| Mounting form                                          |  |  |  | O98 - Rear mounting with red/yellow handle padlockable in 0, door coupling and protection covers |
| Contact characteristics                                |  |  |  |                                                                                                  |
| Rated insulation voltage Ui                            |  |  |  |                                                                                                  |
|                                                        |  |  |  | IEC/EN V 690                                                                                     |
|                                                        |  |  |  | UL/CSA V 600                                                                                     |
| Rated impulse withstand voltage Uimp                   |  |  |  | kV 6                                                                                             |
| Conventional free air thermal current Ith              |  |  |  |                                                                                                  |
|                                                        |  |  |  | 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 In (gG) |  |  |  |                                                                                                  |
|                                                        |  |  |  | 10kA A 32                                                                                        |
|                                                        |  |  |  | 15kA A 32                                                                                        |
|                                                        |  |  |  | 25kA A 32                                                                                        |
|                                                        |  |  |  | 50kA A 32                                                                                        |
| Rated short time current Icw                           |  |  |  |                                                                                                  |
|                                                        |  |  |  | 1s kA 800                                                                                        |
| Conductivity                                           |  |  |  | 10/5 mA/V                                                                                        |
| Operational current Ie 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               |
| <b>Mechanical features</b>             |          |                 |                   |
| 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> |
| <b>UL technical data</b>               |          |                 |                   |
| 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

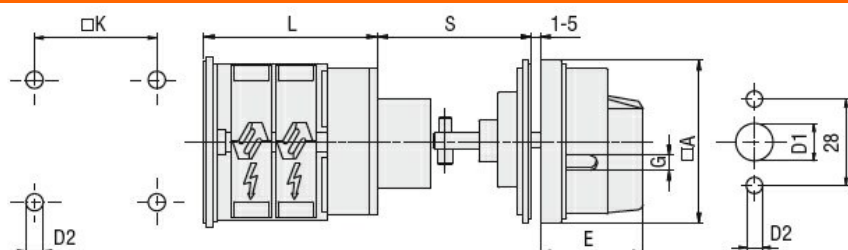
Frontal IP degree

IP40

Terminals IP degree

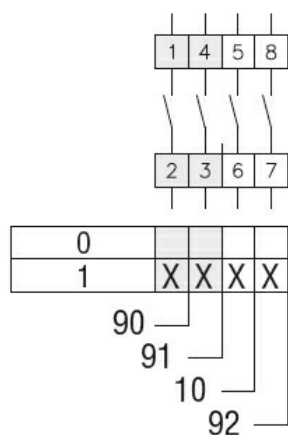
IP00

### Dimensions



| Series | Dimensions |    |    |      |   |    |       | L    |      |        |       |
|--------|------------|----|----|------|---|----|-------|------|------|--------|-------|
|        | □A         | D1 | D2 | E    | G | □K | S     | 1    | 2    | 3...12 |       |
| 7GN12  | 65         | 12 | 5  | 34.2 | 5 | 36 | 45-55 | 41.1 | 50.8 | 60.5   | 147.8 |
| 7GN20  | 65         | 12 | 5  | 34.2 | 5 | 36 | 45-55 | 41.1 | 50.8 | 60.5   | 147.8 |
| 7GN25  | 65         | 14 | 5  | 38   | 6 | 48 | 45-55 | 51.5 | 66.6 | 81.7   | 217.6 |
| 7GN40  | 65         | 14 | 5  | 38   | 6 | 48 | 45-55 | 51.5 | 66.6 | 81.7   | 217.6 |
| 7GN63  | 65         | 14 | 6  | 38   | 6 | 68 | 45-55 | 57.3 | 75.4 | 93.5   | 256.4 |

### 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

EC001029 -  
Selector switch,  
complete