

|                                                        |                                                                                                  |                  |                      |
|--------------------------------------------------------|--------------------------------------------------------------------------------------------------|------------------|----------------------|
| Product designation                                    | Rotary cam switches                                                                              |                  |                      |
| Product type designation                               | 7GN32                                                                                            |                  |                      |
| General characteristics                                |                                                                                                  |                  |                      |
| Switching diagram                                      | 07 - ON/OFF switch 3 poles                                                                       |                  |                      |
| N° of elements                                         | 2                                                                                                |                  |                      |
| Mounting form                                          | O88 - Rear mounting with red/yellow handle padlockable in 0, door coupling and protection covers |                  |                      |
| Contact characteristics                                |                                                                                                  |                  |                      |
| Rated insulation voltage Ui                            | IEC/EN<br>UL/CSA                                                                                 | V<br>V           | 690<br>600           |
| Rated impulse withstand voltage Uimp                   |                                                                                                  | kV               | 6                    |
| Conventional free air thermal current Ith              | IEC/EN<br>UL/CSA                                                                                 | A<br>A           | 32<br>40             |
| Rated operational voltage                              |                                                                                                  | V                | 480                  |
| Rated operational impulse voltage                      |                                                                                                  | kV               | 4                    |
| Maximum fuse size for short-circuit protection In (gG) | 10kA<br>15kA<br>25kA<br>50kA                                                                     | A<br>A<br>A<br>A | 32<br>32<br>32<br>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<br>220/230V<br>380/400V<br>660/690V                                                         | A<br>A<br>A<br>A | 25<br>20<br>10<br>2  |
| Rated operational power in AC                          |                                                                                                  |                  |                      |
| Three-phase AC-3                                       | 220/230V<br>380/440V<br>500/690V                                                                 | kW<br>kW<br>kW   | 7.5<br>11<br>11      |
| Single-phase AC-3                                      | 110V<br>220/230V<br>380/440V                                                                     | kW<br>kW<br>kW   | 2.2<br>4<br>6.5      |
| Three-phase AC23A                                      | 220/230V<br>380/440V<br>500/690V                                                                 | kW<br>kW<br>kW   | 8<br>15<br>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               |

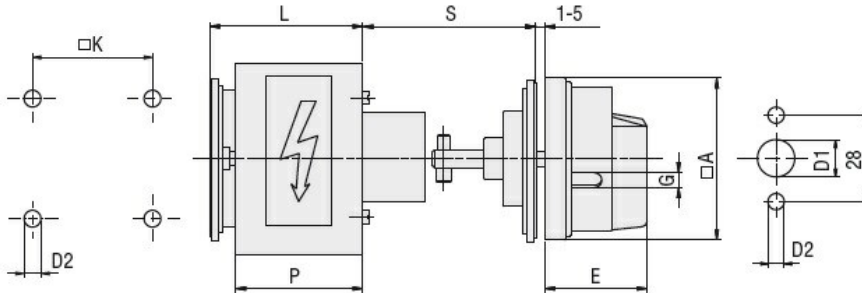
Storage temperature

min °C -40  
max °C +70

### Resistance & Protection

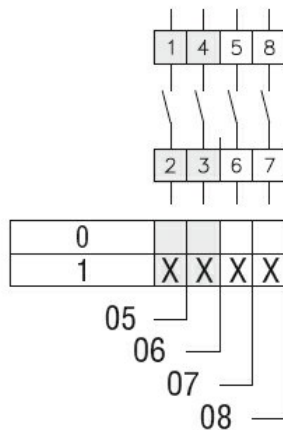
|                     |      |
|---------------------|------|
| Frontal IP degree   | IP40 |
| Terminals IP degree | IP00 |

### Dimensions



| Series | Dimensions |    |    |      |   |    |       |    |      |
|--------|------------|----|----|------|---|----|-------|----|------|
|        | □A         | D1 | D2 | E    | G | □K | S     | P  | L    |
| 7GN12  | 65         | 12 | 5  | 34.2 | 5 | 36 | 45-55 | 43 | 51.3 |
| 7GN20  | 65         | 12 | 5  | 34.2 | 5 | 36 | 45-55 | 43 | 51.3 |
| 7GN25  | 65         | 12 | 5  | 34.2 | 5 | 36 | 45-55 | 51 | 59.6 |
| 7GN32  | 65         | 14 | 5  | 38   | 6 | 48 | 45-55 | 55 | 68.7 |
| 7GN40  | 65         | 14 | 5  | 38   | 6 | 48 | 45-55 | 55 | 68.7 |

### 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