

7GN125109U ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 0-1-2-3-4, 1 POLE 125A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 90X90MM

| | | | | Rotary cam |
|--------------------------|------------------------------------|----------------------|----------|--------------------------------------|
| Product designation | | | | switches |
| Product type designat | | | | 7GN125 |
| General characteristic | S | | | 400 Multi star |
| Switching diagram | | | | 109 - Multi-step 0-1-2-3-4 1 pole |
| N° of elements | | | | 2 |
| Mounting form | | | | U - Front |
| Mounting form | | | | mounting with black handle |
| Contact characteristic | S | | | |
| Rated insulation voltage | | | | |
| | | IEC/EN | V | 690 |
| | | UL/CSA | V | 600 |
| Rated impulse withsta | | | kV | 6 |
| Conventional free air t | hermal current Ith | | | |
| | | IEC/EN | А | 125 |
| | | UL/CSA | A | 130 |
| Rated operational volt | - | | V | 690 |
| Rated operational imp | | | kV | 6 |
| Maximum fuse size to | r short-circuit protection In (gG) | | | 405 |
| | | 10kA 15kA | A | 125 |
| | | 25kA | A A | 100 100 |
| | | 23kA 50kA | A | 100 |
| | | 63kA | A | 100 |
| Rated short time curre | ent Icw | 001/1 | | 100 |
| | | 1s | kA | 2100 |
| Conductivity | | | | 10/5 mA/V |
| Operational current le | IEC/EN | | | |
| | AC1/AC21A | | | |
| | | | А | 125 |
| | AC15 | | | |
| | | 110V | А | 40 |
| | | 220/230V | А | 28 |
| | | 380/400V | A | 15 |
| | | 660/690V | А | 5 |
| Rated operational pow | | | | |
| | Three-phase AC-3 | 000/0001/ | 1.1.47 | 40 5 |
| | | 220/230V | kW | 18.5 |
| | | 380/440V 500/690V | kW kW | 37 33 |
| | Single-phase AC-3 | 500/690V | KVV | 33 |
| | Single-phase AC-3 | 110V | kW | 5 |
| | | 220/230V | kW | 11 |
| | | 380/440V | kW | 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 |
| | | | | |

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| | | 380/440V | kW | 15 |
|-----------------------|---------------------------------------|--------------|----------|-------------------|
| Rated operational cu | rrent in DC | 000/4401 | | 10 |
| | DC21A | | | |
| | | 48V | А | 125 |
| | | 60V | А | 80 |
| | | 110V | А | 10 |
| | | 220V | А | 1.2 |
| | DC23A (poles in series) | | | |
| | | 24V | А | 125 (1) |
| | | 48V | A | 125 (2) |
| | | 60V | A | 125 (3) |
| | | 110V | А | 50 (3) |
| | | 220V | Α | 20 (4) |
| | DC13 | | _ | |
| | | 24V | A | 125 |
| | | 48V | A | 100 |
| | | 60V | A | 50 |
| <u> </u> | | 110V | <u>A</u> | 4 |
| Power dissipation | | | W | 6.3 |
| Mechanical features | | | | MOXE |
| Terminals screw | te este de see | | N.L. | M2X5 |
| Tightening torque for | terminais max | | Nm | 2 |
| Conductor size | | | | |
| | AWG - Rigid cable | | | |
| | | min | AWG | 14 |
| | AWG - Flexible cable | Max | AWG | 1/0 |
| | AWG - Flexible cable | | | 4.4 |
| | | min | AWG | 14 |
| | Conductor size (IEC) - Flexible cable | Max | AWG | 1/0 |
| | Conductor size (IEC) - Flexible cable | min | mm² | 2.5 |
| | | Max | mm² | 50 |
| | Conductor size (IEC) - Rigid cable | IVIDA | 111111 | 50 |
| | | min | mm² | 2.5 |
| | | Max | mm² | 50 |
| Mechanical life | | Ivida | cycles | 1X10 ⁶ |
| UL technical data | | | Cycles | IXIO |
| Motor power for direc | st-on-line control | | | |
| | for three-phase motor | | | |
| | | 120V | HP | 15 |
| | | 240V | HP | 25 |
| | | 480V | HP | 50 |
| | | 400V 600V | HP | 40 |
| | for single-phase motor | | | |
| | | 120V | HP | 5 |
| | | 240V | HP | 15 |
| Ambient conditions | | | | - |
| Temperature | | | | |
| | Operating temperature | | | |
| | | min | °C | -25 |
| | | max | °Č | +55 |
| | Storage temperature | | | |
| | 0 | min | °C | -40 |
| | | max | °C | +70 |
| | | | | |

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The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



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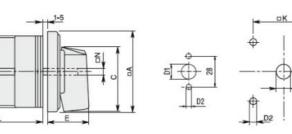
0

Resistance & Protection

Frontal IP degree

Terminals IP degree

Dimensions

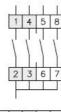


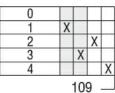
Standard drillings for 7GN125. Drillings on request for 4 screws fixing (4V version).

IP40 IP00

| Dimensions | | | | | | L Number of elements | | | | | | | | | | | | | | | |
|------------|----|------|----|-----|-----|----------------------|------|----|----|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Series | □A | С | ØD | ØD1 | ØD2 | Е | ØG | □K | □N | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 7GN12 | 48 | 39.5 | 39 | 12 | 5 | 26.5 | 38 | 36 | 6 | 36.1 | 45.8 | 55.5 | 65.2 | 74.9 | 84.6 | 94.3 | 104 | 113.7 | 123.4 | 133.1 | 142.8 |
| 7GN20 | 48 | 39.5 | 39 | 12 | 5 | 26.5 | 38 | 36 | 6 | 36.1 | 45.8 | 55.5 | 65.2 | 74.9 | 84.6 | 94.3 | 104 | 113.7 | 123.4 | 133.1 | 142.8 |
| 7GN25 | 48 | 39.5 | 43 | 12 | 5 | 26.5 | 38 | 36 | 6 | 40.5 | 54.1 | 67.7 | 81.3 | 94.9 | 108.5 | 122.1 | 135.7 | 147.3 | 162.9 | 176.5 | 190.1 |
| 7GN32 | 65 | 53 | 58 | 14 | 5 | 34.5 | 58.5 | 48 | 7 | 46.5 | 61.6 | 76.7 | 91.8 | 106.9 | 122 | 137.1 | 152.2 | 167.3 | 182.4 | 197.5 | 212.6 |
| 7GN40 | 65 | 53 | 58 | 14 | 5 | 34.5 | 58.5 | 48 | 7 | 46.5 | 61.6 | 76.7 | 91.8 | 106.9 | 122 | 137.1 | 152.2 | 167.3 | 182.4 | 197.5 | 212.6 |
| 7GN63 | 65 | 53 | 62 | 14 | 5 | 34.5 | 58.5 | 48 | 7 | 50.3 | 68.4 | 86.5 | 104.6 | 122.7 | 140.8 | 158.9 | 177 | 195.1 | 213.2 | 231.3 | 249.4 |
| 7GN125 | 90 | 70.5 | 86 | 16 | 6 | 41.5 | 84 | 68 | 9 | 67.3 | 96.4 | 125.5 | 154.6 | 183.7 | 220.3 | 249.4 | 278.5 | 307.6 | 336.7 | 365.8 | 394.9 |

Wiring diagrams





Certifications and compliance

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 | | |
| | | EC001029 - |
| ETIM 8.0 | | Selector switch, |
| | | |

complete

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