



| Product designation | | | Enclosed rotary |
|--|----------------------|----------|-------------------------------------|
| Product type designation | | | cam switch 7GN40 |
| General characteristics | | | 701140 |
| | | | 91 - ON/OFF |
| Switching diagram | | | switch 2 poles |
| N° of elements | | | 1 |
| Manustin of a ma | | | P25 - Plastic |
| Mounting form | | | enclosure with red/yellow handle |
| Contact characteristics | | | rea/yellow flaffale |
| Rated insulation voltage Ui | | | |
| 5 | IEC/EN | V | 690 |
| | UL/CSA | V | 600 |
| Rated impulse withstand voltage Uimp | | kV | 6 |
| Conventional free air thermal current Ith | | _ | |
| | IEC/EN | Α | 40 |
| | UL/CSA | Α | 50 |
| Rated operational voltage | | V | 480 |
| Rated operational impulse voltage | | kV | 4 |
| Maximum fuse size for short-circuit protection In (gG) | | | |
| | 10kA | Α | 40 |
| | 15kA | A | 40 |
| | 25kA | A | 40 |
| | 50kA 63kA | A A | 40 40 |
| Rated short time current Icw | USKA | A | 40 |
| reated short time current low | 1s | kA | 1000 |
| Conductivity | | 10 (| 10/5 mA/V |
| Operational current le IEC/EN | | | 10,0111,01 |
| AC1/AC21A | | | |
| | | Α | 40 |
| AC15 | | | |
| | 110V | Α | 25 |
| | 220/230V | Α | 22 |
| | 380/400V | Α | 12 |
| | 660/690V | Α | 2 |
| Rated operational power in AC | | | |
| Three-phase AC-3 | 000/0001 | 1-347 | 0 |
| | 220/230V | kW | 8 |
| | 380/440V 500/690V | kW kW | 15 15 |
| Single-phase AC-3 | 300/090V | r v v | 10 |
| Olligie-pilase AO-3 | 110V | kW | 3 |
| | 220/230V | kW | 6.5 |
| | ,, | | v. v |



electric ENCLOSED ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 2 POLES 40A IN PLASTIC ENCLOSURE 110X110MM WITH RED/YELLOW HANDLE **ENERGY AND AUTOMATION**

| | Three-phase AC23A | | | |
|--------------------------|---------------------------------------|----------|--------|-------------------|
| | | 220/230V | kW | 8 |
| | | 380/440V | kW | 18.5 |
| | | 500/690V | kW | 22 |
| | Single-phase AC23A | | | _ |
| | | 110V | kW | 3 |
| | | 220/230V | kW | 6 |
| | | 380/440V | kW | 11 |
| Rated operational curr | ent in DC | | | |
| | DC21A | | | |
| | | 48V | Α | 40 |
| | | 60V | A | 40 |
| | | 110V | A | 6 |
| | | 220V | A | 0.9 |
| | DC22A (polos in corios) | 220 V | | 0.9 |
| | DC23A (poles in series) | 241/ | ۸ | 40 (4) |
| | | 24V | A | 40 (1) |
| | | 48V | A | 40 (2) |
| | | 60V | A | 40 (3) |
| | | 110V | Α | 20 (3) |
| | | 220V | Α | 12 (4) |
| | DC13 | | | |
| | | 24V | Α | 40 |
| | | 48V | Α | 32 |
| | | 60V | Α | 16 |
| | | 110V | Α | 3 |
| Power dissipation | | | W | 2.0 |
| Mechanical features | | | | |
| Terminals screw | | | | M4 |
| Tightening torque for to | erminals max | | Nm | 1.2 |
| Conductor size | | | | |
| 0011000101 0120 | AWG - Rigid cable | | | |
| | AWO Rigid cable | min | AWG | 16 |
| | | Max | AWG | 8 |
| | AWC Florible cable | IVIAX | AWG | |
| | AWG - Flexible cable | | A1A/O | 40 |
| | | min | AWG | 16 |
| | - | Max | AWG | 10 |
| | Conductor size (IEC) - Flexible cable | | _ | |
| | | min | mm² | 1.5 |
| | | Max | mm² | 6 |
| | Conductor size (IEC) - Rigid cable | | | |
| | | min | mm² | 1.5 |
| | | Max | mm² | 10 |
| Mechanical life | | | cycles | 5x10 ⁶ |
| UL technical data | | | | |
| Motor power for direct- | -on-line control | | | |
| · | for three-phase motor | | | |
| | | 120V | HP | 5 |
| | | 240V | HP | 10 |
| | | 480V | HP | 20 |
| | | 600V | HP | 20 |
| | for single phase meter | V UU V | ar_ | ۷۵ |
| | for single-phase motor | 40017 | LID | 2 |
| | | 120V | HP | 2 |
| | | 240V | HP | 5 |
| Ambient conditions | | | | |

electric ENCLOSED ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 2 POLES 40A IN PLASTIC ENCLOSURE 110X110MM WITH RED/YELLOW HANDLE

ENERGY AND AUTOMATION

Temperature

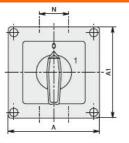
Operating temperature

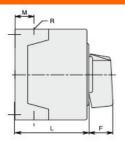
| | min | °C | -25 | |
|---------------------|-----|----|-----|---|
| | max | °C | +55 | |
| Storage temperature | | | | , |
| | min | °C | -40 | |
| | max | °C | +70 | |

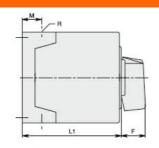
Resistance & Protection

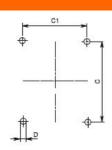
| Frontal IP degree | IP65 |
|---------------------|------|
| Terminals IP degree | IP00 |

Dimensions



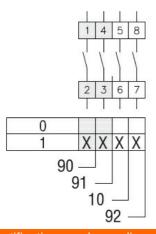






| Series | Enclosure size | Number o | f elements | | | | | Dimensions | | | | Cable | Protection | | |
|--------|---|----------|------------|-------|-----|-------|--------|------------|------|--------|------|-------|------------|---|---|
| Selles | | L | L1 | Α | A1 | С | C1 | D | F | M | N | L | L1 | entry | degree |
| 7GN12 | 75x75 | 1-2 | 3 - 4 | | | | | | | | | | | | |
| 7GN20 | | 1-2 | 3 - 4 | 75 | 75 | 50 | 64 | 4.5 | 19 | 14 | 28 | 57.5 | 79.8 | 4xPG13.5 | IP65 |
| 7GN25 | | 1 | 2-3 | | | | | | | | | | | | |
| 7GN12 | 90x90 | 1-3 | 4 - 6 | | | | | | | | | | | | |
| 7GN20 | | 1-3 | 4 - 6 | 0.000 | | 0.000 | 100000 | 100000000 | 2000 | 100000 | | | | 200000000000000000000000000000000000000 | 100000000000000000000000000000000000000 |
| 7GN25 | | 1-2 | 3 - 4 | 90 | 90 | 79 | 63 | 4.5 | 25 | 19 | 30 | 71.3 | 98.3 | 4xPG16 | IP65 |
| 7GN32 | | 1-2 | 3 - 4 | | | 3.55 | | | | 37-13 | | | | | 31-32-34-2 |
| 7GN40 | | 1 | 2-3 | | | | | | | | | | | | |
| 7GN12 | 110x110 | 1-4 | 5 - 8 | | | | | | | 1 | | | | | |
| 7GN20 | | 1 - 4 | 5 - 8 | | | | | | | | | | | | |
| 7GN25 | | 1-3 | 4 - 5 | 110 | 110 | 98.4 | 83 | 4.5 | 32 | 21 | 39.5 | 85.5 | 119.5 | 4xPG21 | IP65 |
| 7GN32 | | 1-3 | 4 - 5 | 110 | 110 | 90.4 | 00 | 4.5 | 32 | 21 | 39.5 | 05.5 | 119.5 | 417421 | 11-00 |
| 7GN40 | | 1-2 | 3 - 5 | | | | | | | | | | | | |
| 7GN63 | | 1-2 | 3 - 4 | | | | | | | | | | | | |
| 7GN32 | 125x175 | 1 - 3 | 4 - 5 | | | | | 165 | | | | | | | |
| 7GN40 | 200000000000000000000000000000000000000 | 1 - 2 | 3 - 4 | 125 | 175 | 146 | 112 | 5.5 | 32 | 21 | 68 | 84.3 | 118.3 | 4xPG21 | IP65 |
| 7GN63 | | 1 - 2 | 3 - 4 | 125 | 1/5 | 140 | 112 | 5.5 | 32 | 21 | 00 | 04.3 | 110.3 | 2xPG11 | IPOS |
| 7GN125 | | 1 | 2 | | | | | | | | | | | | |
| 7GN32 | 180x254 | 1-5 | 6-8 | | | | | | | | | | | | |
| 7GN40 | | 1 - 4 | 5 - 7 | 100 | 054 | 100 | 100 | | 32 | 35 | 76 | 101 | 175 | 4xPG29 | IDCE |
| 7GN63 | 1 | 1 - 3 | 4 - 6 | 180 | 254 | 120 | 190 | 5.5 | 32 | 35 | 76 | 121 | 175 | 2xPG11 | IP65 |
| 7GN125 | | 1 - 2 | 3 - 4 | × | | | | | | | | | | | |

Wiring diagrams



Certifications and compliance

Compliance

IEC/EN/BS 60947-1



7GN4091P25

electric ENCLOSED ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 2 POLES 40A IN PLASTIC ENCLOSURE 110X110MM WITH RED/YELLOW HANDLE

ENERGY AND AUTOMATION

IEC/EN/BS 60947-3 IEC/EN/BS 60947-5-1

Certificates

EAC

ETIM classification

ETIM 8.0

EC001029 -Selector switch, complete