7GN1206P

electric ENCLOSED ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 2 POLES 16A IN PLASTIC ENCLOSURE 75X75MM WITH BLACK HANDLE ENERGY AND AUTOMATION

| Product designation | | | Enclosed rotary |
|--|----------------------|----------|--------------------------------|
| Product type designation | | | cam switch 7GN12 |
| General characteristics | | | |
| Switching diagram | | | 06 - ON/OFF switch 2 poles |
| N° of elements | | | 1 |
| | | | P - Plastic |
| Mounting form | | | enclosure with black handle |
| Contact characteristics | | | DIACK HARIULE |
| 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 | А | 16 |
| | UL/CSA | А | 15 |
| Rated operational voltage | | V | 480 |
| Rated operational impulse voltage | | kV | 4 |
| Maximum fuse size for short-circuit protection In (gG) | | | |
| | 10kA | А | 16 |
| | 15kA | A | 10 |
| | 25kA | A | 10 |
| Rated short time current Icw | | | |
| | 1s | kA | 200 |
| Conductivity | | | 10/5 mA/V |
| Operational current le IEC/EN | | | |
| AC1/AC21A | | | 10 |
| 1015 | | A | 16 |
| AC15 | 110V | А | 10 |
| | 220/230V | A | 8 |
| | 380/400V | A | 4 |
| | 660/690V | A | 1.5 |
| Rated operational power in AC | 000/0001 | | 1.0 |
| Three-phase AC-3 | | | |
| | 220/230V | kW | 2.5 |
| | 380/440V | kW | 4 |
| | 500/690V | kW | 5.5 |
| Single-phase AC-3 | | | |
| | 110V | kW | 0.8 |
| | 220/230V | kW | 1.5 |
| | 380/440V | kW | 2.2 |
| Three-phase AC23A | | | |
| | 220/230V | kW | 3 |
| | 380/440V | kW | 5.5 |
| | 500/690V | kW | 7.5 |
| Single-phase AC23A | 1101 | | 0.0 |
| | 110V | kW | 0.8 |
| | 220/230V 380/440V | kW kW | 1.7 |
| | 300/440V | ĸvv | 3 |

Rated operational current in DC

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ENERGY AND AUTOMATION

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|---|--|
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| | DC21A | | | |
|--------------------------|---------------------------------------|-------|--------|------------|
| | | 48V | А | 12 |
| | | 60V | А | 12 |
| | | 110V | А | 4 |
| | | 220V | А | 0.6 |
| | | 440V | А | 0.25 |
| | DC23A (poles in series) | | | |
| | | 24V | А | 10 (1) |
| | | 48V | A | 10 (2) |
| | | 60V | A | 10 (3) |
| | | 110V | A | 5 (3) |
| | | 220V | A | 5 (4) |
| | DC13 | 2200 | A | 5 (4) |
| | DC13 | 0.417 | ٨ | 40 |
| | | 24V | A | 12 |
| | | 48V | А | 10 |
| | | 60V | A | 8 |
| | | 110V | A | 1 |
| | | 220V | А | 0.4 |
| | | 440V | А | 0.15 |
| Power dissipation | | | W | 0.8 |
| Mechanical features | | | | |
| Terminals screw | | | | M3 |
| Tightening torque for te | erminals max | | Nm | 0.5 |
| Conductor size | | | | |
| | AWG - Rigid cable | | | |
| | | min | AWG | 20 |
| | | Max | AWG | 12 |
| | AWG - Flexible cable | IVICA | 700 | 12 |
| | AWG - Flexible cable | min | AWG | 20 |
| | | | | 20 |
| | | Max | AWG | 14 |
| | Conductor size (IEC) - Flexible cable | | | - - |
| | | min | mm² | 0.5 |
| | | Max | mm² | 2.5 |
| | Conductor size (IEC) - Rigid cable | | | |
| | | min | mm² | 0.5 |
| | | Max | mm² | 2.5 |
| Mechanical life | | | cycles | 3x10⁰ |
| UL technical data | | | | |
| Motor power for direct- | -on-line control | | | |
| | for three-phase motor | | | |
| | | 120V | HP | 1.5 |
| | | 240V | HP | 3 |
| | for single-phase motor | | | |
| | | 120V | HP | 0.5 |
| | | 240V | HP | 1 |
| Ambient conditions | | 2.07 | | • • |
| Temperature | | | | |
| iompolataro | Operating temperature | | | |
| | Operating temperature | | °C | 25 |
| | | min | | -25 |
| | 01 | max | °C | +55 |
| | Storage temperature | | | 40 |
| | | min | °C | -40 |
| | | max | °C | +70 |
| Resistance & Protection | on | | | |

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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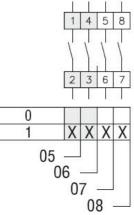
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ENCLOSURE 75X75MM WITH BLACK HANDLE

| 5 | | | | | | | | | | IP65 | | | | | | |
|--------------------------|-----------|------------|----------------|-----|-----|------|-----|-------|------|------|------|--------|-------|------------------|------------|--|
| Terminals IP degree IP00 | | | | | | | | | IP00 | | | | | | | |
| Dimensio | | | | | | | | | | | | | | | | |
| | | | | | | F | - | | R | | F | - + | | o | i. K | |
| Series | Enclosure | Number o | of elements | | | | , | Dimer | | | | | ð. | Cable | Protection | |
| Second Constant | size | L | L1 3 - 4 | A | A1 | C | C1 | D | F | М | N | L | L1 | entry | degree | |
| 7GN12 7GN20 | 75x75 | 1-2 | 3-4 | 75 | 75 | 50 | 64 | 4.5 | 19 | 14 | 28 | 57.5 | 79.8 | 4xPG13.5 | IP65 | |
| 7GN25 | | 1 | 2-3 | | | | | | | | | | | | | |
| | 90x90 | 1-3 | 4 - 6 | | | | | | | | | | | | | |
| 7GN20 7GN25 | | 1-3 | 4 - 6 3 - 4 | 90 | 90 | 79 | 63 | 4.5 | 25 | 19 | 30 | 71.3 | 98.3 | 4xPG16 | IP65 | |
| 7GN32 | | 1-2 | 3-4 | 90 | 50 | 19 | 03 | 4.5 | 20 | 19 | 30 | 71.5 | 50.5 | 47610 | 1105 | |
| 7GN40 | | 1 | 2-3 | | | | | | | | | | | | | |
| | 110x110 | 1-4 | 5 - 8 | | | | | | | | | | | | | |
| 7GN20 | | 1-4 | 5-8 | | | | | | | | | | | | | |
| 7GN25 7GN32 | | 1-3 1-3 | 4 - 5 4 - 5 | 110 | 110 | 98.4 | 83 | 4.5 | 32 | 21 | 39.5 | 85.5 | 119.5 | 4xPG21 | IP65 | |
| 7GN40 | | 1-3 | 3-5 | | | | | | | | | | | | | |
| 7GN63 | | 1-2 | 3-4 | | | | | | | | | | | | | |
| 7GN32 | 125x175 | 1-3 | 4 - 5 | | 1 | | | | | | | | | | | |
| 7GN40 | | 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 | IPOD | |
| 7GN125 | | 1 | 2 | | | | | | | | | | | | | |
| 7GN32 | 180x254 | 1-5 | 6-8 | | | | | | | | | | | 4 0000 | | |
| 7GN40 7GN63 | | 1-4 | 5 - 7 4 - 6 | 180 | 254 | 120 | 190 | 5.5 | 32 | 35 | 76 | 121 | 175 | 4xPG29 2xPG11 | IP65 | |
| 7GN03 7GN125 | | 1-3 | 3-4 | | | | | | | | | | | ZAFGTT | | |
| 701120 | | | | | - | | | | | | | | | | | |

Wiring diagrams



| 08 | | |
|-------------------------|---------------------|--|
| Certifications and corr | npliance | |
| Compliance | | |
| | IEC/EN/BS 60947-1 | |
| | IEC/EN/BS 60947-3 | |
| | IEC/EN/BS 60947-5-1 | |
| Certificates | | |
| | EAC | |
| ETIM classification | | |
| ETIM 8.0 | | EC001029 - Selector switch, complete |

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