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|---|----------|----|-----|-------------------------------------|
| Product designation | | | | Rotary cam switches |
| Product type designation | | | | 7GN25 |
| General characteristics | | | | |
| Switching diagram | | | | 83 - Multi-step 1-2-3-4 1 pole |
| N° of elements | | | | 2 |
| Mounting form | | | | O - Rear mounting with black handle |
| Contact characteristics | | | | |
| Rated insulation voltage U_i | IEC/EN | V | 690 | |
| | UL/CSA | V | 600 | |
| Rated impulse withstand voltage U_{imp} | | kV | 6 | |
| Conventional free air thermal current I_{th} | IEC/EN | A | 25 | |
| | UL/CSA | A | 30 | |
| Rated operational voltage | | V | 480 | |
| Rated operational impulse voltage | | kV | 4 | |
| Maximum fuse size for short-circuit protection I_n (gG) | 10kA | A | 25 | |
| | 15kA | A | 25 | |
| | 25kA | A | 25 | |
| Rated short time current I_{cw} | 1s | A | 400 | |
| Conductivity | | | | 10/5 mA/V |
| Operational current I_e IEC/EN | | | | |
| AC1/AC21A | | A | 25 | |
| AC15 | 110V | A | 16 | |
| | 220/230V | A | 12 | |
| | 380/400V | A | 8 | |
| | 660/690V | A | 2 | |
| Rated operational power in AC | | | | |
| Three-phase AC-3 | 220/230V | kW | 5.5 | |
| | 380/440V | kW | 7.5 | |
| | 500/690V | kW | 7.5 | |
| Single-phase AC-3 | 110V | kW | 1.5 | |
| | 220/230V | kW | 3 | |
| | 380/440V | kW | 5.5 | |
| Three-phase AC23A | 220/230V | kW | 6.5 | |
| | 380/440V | kW | 11 | |
| | 500/690V | kW | 11 | |
| Single-phase AC23A | 110V | kW | 1.5 | |
| | 220/230V | kW | 3.7 | |
| | 380/440V | kW | 5.5 | |
| Rated operational current in DC | | | | |

| | | | |
|--|------|-----------------|-------------------|
| DC21A | 48V | A | 25 |
| | 60V | A | 25 |
| | 110V | A | 4 |
| | 220V | A | 0.7 |
| <hr/> | | | |
| DC23A (poles in series) | 24V | A | 25 (1) |
| | 48V | A | 25 (2) |
| | 60V | A | 25 (3) |
| | 110V | A | 12 (3) |
| | 220V | A | 10 (4) |
| <hr/> | | | |
| DC13 | 24V | A | 25 |
| | 48V | A | 20 |
| | 60V | A | 16 |
| | 110V | A | 1.5 |
| | 220V | A | 0.4 |
| <hr/> | | | |
| Power dissipation | | W | 1.1 |
| Mechanical features | | | |
| Terminals screw | | | M3.5 |
| Tightening torque for terminals max | | Nm | 0.8 |
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| Conductor size | | | |
| AWG - Rigid cable | | | |
| | min | AWG | 20 |
| | Max | AWG | 10 |
| <hr/> | | | |
| AWG - Flexible cable | | | |
| | min | AWG | 20 |
| | Max | AWG | 12 |
| <hr/> | | | |
| Conductor size (IEC) - Flexible cable | | | |
| | min | mm ² | 0.5 |
| | Max | mm ² | 4 |
| <hr/> | | | |
| Conductor size (IEC) - Rigid cable | | | |
| | min | mm ² | 0.5 |
| | Max | mm ² | 4 |
| <hr/> | | | |
| Mechanical life | | cycles | 5x10 ⁶ |
| UL technical data | | | |
| Motor power for direct-on-line control | | | |
| for three-phase motor | | | |
| | 120V | HP | 3 |
| | 240V | HP | 5 |
| | 480V | HP | 10 |
| | 600V | HP | 15 |
| <hr/> | | | |
| for single-phase motor | | | |
| | 120V | HP | 1.5 |
| | 240V | HP | 3 |
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| Ambient conditions | | | |
| Temperature | | | |
| Operating temperature | | | |
| | min | °C | -25 |
| | max | °C | +55 |
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| Storage temperature | | | |
| | min | °C | -40 |
| | max | °C | +70 |
| <hr/> | | | |
| Resistance & Protection | | | |

