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|---|-------------------|-----|-----|----------------------|
| Product designation | | | | Rotary cam switches |
| Product type designation | | | | GN12 |
| General characteristics | | | | |
| Switching diagram | | | | 91 |
| N° of elements | | | | 1 |
| Options | | | | IEC IP65 front plate |
| 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 | 16 | |
| | UL/CSA | A | 15 | |
| Rated operational voltage | | | V | 480 |
| Maximum fuse size for short-circuit protection I_n (gG) | 10kA | A | 16 | |
| | 25kA | A | 10 | |
| Rated short time current I_{cw} | | | 1s | A |
| | | | | 200 |
| Operational current I_e IEC/EN | AC1/AC21A | | | A |
| | | | | 16 |
| AC15 | 110V | A | 10 | |
| | 220/230V | A | 8 | |
| | 380/400V | A | 4 | |
| | 660/690V | A | 1.5 | |
| | | | | |
| Rated operational power in AC | 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 | | | | |
| 110V | kW | 0.8 | | |
| 220/230V | kW | 1.7 | | |
| 380/440V | kW | 3 | | |
| Rated operational current in DC | DC21A | | | |
| | 48V | A | 12 | |
| | 60V | A | 12 | |
| | 110V | A | 4 | |
| | 220V | A | 0.6 | |

| | | | |
|-------------------------|------|---|--------|
| | 440V | A | 0.25 |
| DC23A (poles in series) | 24V | A | 10 (1) |
| | 48V | A | 10 (2) |
| | 60V | A | 10 (3) |
| | 110V | A | 5 (3) |
| | 220V | A | 5 (4) |
| DC13 | 24V | A | 12 |
| | 48V | A | 10 |
| | 60V | A | 8 |
| | 110V | A | 1 |
| | 220V | A | 0.4 |
| | 440V | A | 0.15 |

Mechanical features

| | | | |
|---------------------------------------|-----|-----------------|-------------------|
| Terminals screw | | | M3 |
| Tightening torque for terminals max | | Nm | 0.5 |
| Conductor size | | | |
| AWG - Rigid cable | min | AWG | 20 |
| | Max | AWG | 14 |
| AWG - Flexible cable | min | AWG | 20 |
| | Max | AWG | 16 |
| Conductor size (IEC) - Flexible cable | min | mm ² | 0.5 |
| | Max | mm ² | 2.5 |
| Conductor size (IEC) - Rigid cable | min | mm ² | 0.5 |
| | Max | mm ² | 2.5 |
| Mechanical life | | cycles | 3x10 ⁶ |

UL technical data

| | | | |
|---|------|----|---|
| Motor power for direct-on-line control for three-phase motor | 240V | HP | 3 |
|---|------|----|---|

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 |

ETIM classification

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