

| | | | | |
|--|-------------------------|-----|------|---------------------|
| Product designation | | | | Rotary cam switches |
| Product type designation | | | | GN20 |
| General characteristics | | | | |
| Switching diagram | | | | 12 |
| N° of elements | | | | 4 |
| Contact characteristics | | | | |
| Rated insulation voltage Ui | IEC/EN | V | 690 | |
| | UL/CSA | V | 600 | |
| Rated impulse withstand voltage Uimp | | | kV | 6 |
| Conventional free air thermal current Ith | IEC/EN | A | 20 | |
| | UL/CSA | A | 20 | |
| Rated operational voltage | | | V | 480 |
| Maximum fuse size for short-circuit protection In (gG) | 10kA | A | 20 | |
| | 25kA | A | 16 | |
| Rated short time current Icw | | | 1s | A |
| | | | | 250 |
| Operational current Ie IEC/EN | AC1/AC21A | | | A |
| | | | | 20 |
| AC15 | 110V | A | 10 | |
| | 220/230V | A | 8 | |
| | 380/400V | A | 6 | |
| | 660/690V | A | 1.5 | |
| | | | | |
| Rated operational power in AC | Three-phase AC-3 | | | |
| | 220/230V | kW | 3 | |
| | 380/440V | kW | 5.5 | |
| | 500/690V | kW | 5.5 | |
| | Single-phase AC-3 | | | |
| | 110V | kW | 0.8 | |
| | 220/230V | kW | 2.2 | |
| | 380/440V | kW | 3 | |
| | Three-phase AC23A | | | |
| | 220/230V | kW | 5 | |
| | 380/440V | kW | 7.5 | |
| | 500/690V | kW | 7.5 | |
| Single-phase AC23A | | | | |
| 110V | kW | 0.8 | | |
| 220/230V | kW | 2.5 | | |
| 380/440V | kW | 3.7 | | |
| Rated operational current in DC | DC21A | | | |
| | 48V | A | 20 | |
| | 60V | A | 20 | |
| | 110V | A | 4 | |
| | 220V | A | 0.6 | |
| | 440V | A | 0.25 | |
| | DC23A (poles in series) | | | |

| | | |
|------|---|--------|
| 24V | A | 20 (1) |
| 48V | A | 20 (2) |
| 60V | A | 20 (3) |
| 110V | A | 10 (3) |
| 220V | A | 8 (4) |

DC13

| | | |
|------|---|------|
| 24V | A | 20 |
| 48V | A | 16 |
| 60V | A | 12 |
| 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 | 12 |

AWG - Flexible cable

| | | |
|-----|-----|----|
| min | AWG | 20 |
| Max | AWG | 14 |

Conductor size (IEC) - Flexible cable

| | | |
|-----|-----------------|-----|
| min | mm ² | 0.5 |
|-----|-----------------|-----|

Conductor size (IEC) - Rigid cable

| | | |
|-----|-----------------|-----|
| Max | mm ² | 2.5 |
|-----|-----------------|-----|

Mechanical life cycles 5x10⁶

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

ETIM 8.0

EC001029 -
Selector switch,
complete