

| | | | | | |
|---|-------------------------|------|----------|---------------------|--------|
| Product designation | | | | Rotary cam switches | |
| Product type designation | | | | GX20 | |
| General characteristics | | | | | |
| Switching diagram | | | | 59 | |
| 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} | UL/CSA | A | 15 | | |
| Rated operational voltage | | | V | 440 | |
| Maximum fuse size for short-circuit protection I_n (gG) | | | A | 16 | |
| | | | 25kA | | |
| Rated short time current I_{cw} | | | A | 250 | |
| | | | 1s | | |
| Operational current I_e IEC/EN | AC1/AC21A | | A | 20 | |
| | AC15 | | | | |
| | | | 110V | A | 10 |
| | | | 220/230V | A | 8 |
| | | | 660/690V | A | 3.7 |
| Rated operational power in AC | Single-phase AC-3 | | | | |
| | | | 380/440V | kW | 3 |
| | Three-phase AC23A | | | | |
| | | | 380/440V | kW | 7.5 |
| Rated operational power in AC | Single-phase AC23A | | | | |
| | | | 380/440V | kW | 3.5 |
| Rated operational current in DC | DC21A | | | | |
| | | | 48V | A | 20 |
| | | | 60V | A | 20 |
| | | | 110V | A | 4 |
| | | | 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 0.8 | |

Conductor size

AWG - Rigid cable

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

AWG - Flexible cable

| | | |
|-----|-----|----|
| min | AWG | 20 |
|-----|-----|----|

Conductor size (IEC) - Flexible cable

| | | |
|-----|-----------------|-----|
| min | mm ² | 0.5 |
| Max | mm ² | 2.5 |

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 |
| 480V | HP | 5 |
| 600V | HP | 5 |

for single-phase motor

| | | |
|------|----|------|
| 120V | HP | 0.75 |
| 240V | HP | 1.5 |

Ambient conditions

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

IP20

ETIM classification

ETIM 8.0

EC001029 -
Selector switch,
complete