

| | | | | | |
|---|-----------|----|------|---|----|
| Product designation | | | | Rotary cam switches | |
| Product type designation | | | | GX32 | |
| General characteristics | | | | | |
| Switching diagram | | | | 13 - Dahlander motor control switch 1-0-2 | |
| N° of elements | | | | 4 | |
| Mounting form | | | | U - Front 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 | 32 | | |
| | UL/CSA | A | 32 | | |
| Rated operational voltage | | | V | 440 | |
| Rated operational impulse voltage | | | kV | 4 | |
| Maximum fuse size for short-circuit protection I_n (gG) | 10kA | A | 35 | | |
| | 15kA | A | 35 | | |
| | 25kA | A | 35 | | |
| Rated short time current I_{cw} | 1s | kA | 1000 | | |
| | | | | 10/5 mA/V | |
| Conductivity | | | | | |
| Operational current I_e IEC/EN | AC1/AC21A | | | A | 32 |
| | AC15 | | | | |
| | 110V | A | 25 | | |
| | 220/230V | A | 20 | | |
| | 380/400V | A | 10 | | |
| | 660/690V | A | 2 | | |
| Rated operational power in AC | | | | | |
| Three-phase AC-3 | | | | | |
| | 220/230V | kW | 7.5 | | |
| | 380/440V | kW | 11 | | |
| | 500/690V | kW | 11 | | |
| Single-phase AC-3 | | | | | |
| | 110V | kW | 1.8 | | |
| | 220/230V | kW | 3.5 | | |
| | 380/440V | kW | 5.5 | | |
| Three-phase AC23A | | | | | |
| | 220/230V | kW | 8 | | |
| | 380/440V | kW | 15 | | |
| | 500/690V | kW | 15 | | |
| Single-phase AC23A | | | | | |
| | 110V | kW | 2.2 | | |
| | 220/230V | kW | 3.5 | | |
| | 380/440V | kW | 6 | | |

Rated operational current in DC
DC21A

| | | |
|------|---|------|
| 48V | A | 32 |
| 60V | A | 32 |
| 110V | A | 5 |
| 220V | A | 0.8 |
| 440V | A | 0.25 |

DC23A (poles in series)

| | | |
|------|---|--------|
| 24V | A | 32 (1) |
| 48V | A | 32 (2) |
| 60V | A | 32 (3) |
| 110V | A | 15 (3) |
| 220V | A | 12 (4) |

DC13

| | | |
|------|---|------|
| 24V | A | 32 |
| 48V | A | 25 |
| 60V | A | 14 |
| 110V | A | 3 |
| 220V | A | 0.5 |
| 440V | A | 0.15 |

Power dissipation

W 1.6

Mechanical features

Terminals screw

M4

Tightening torque for terminals max

Nm 1.2

Conductor size

AWG - Rigid cable

| | | |
|-----|-----|----|
| min | AWG | 16 |
| Max | AWG | 8 |

AWG - Flexible cable

| | | |
|-----|-----|----|
| min | AWG | 16 |
| Max | AWG | 10 |

Conductor size (IEC) - Flexible cable

| | | |
|-----|-----------------|-----|
| min | mm ² | 1.5 |
| Max | mm ² | 6 |

Conductor size (IEC) - Rigid cable

| | | |
|-----|-----------------|-----|
| min | mm ² | 1.5 |
| Max | mm ² | 10 |

Mechanical life

cycles 1X10⁶

UL technical data

Motor power for direct-on-line control

for three-phase motor

| | | |
|------|----|-----|
| 120V | HP | 3 |
| 240V | HP | 7.5 |
| 480V | HP | 15 |
| 600V | HP | 15 |

for single-phase motor

| | | |
|------|----|-----|
| 120V | HP | 1.5 |
| 240V | HP | 3 |

Ambient conditions

Temperature

Operating temperature

| | | |
|-----|----|-----|
| min | °C | -25 |
| max | °C | +55 |

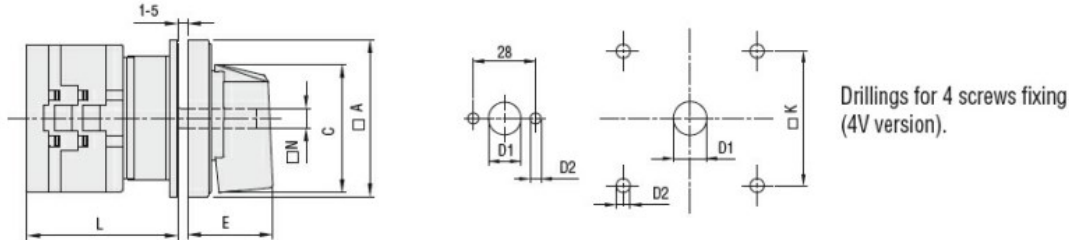
Storage temperature

| | | |
|-----|----|-----|
| min | °C | -40 |
| max | °C | +70 |

Resistance & Protection

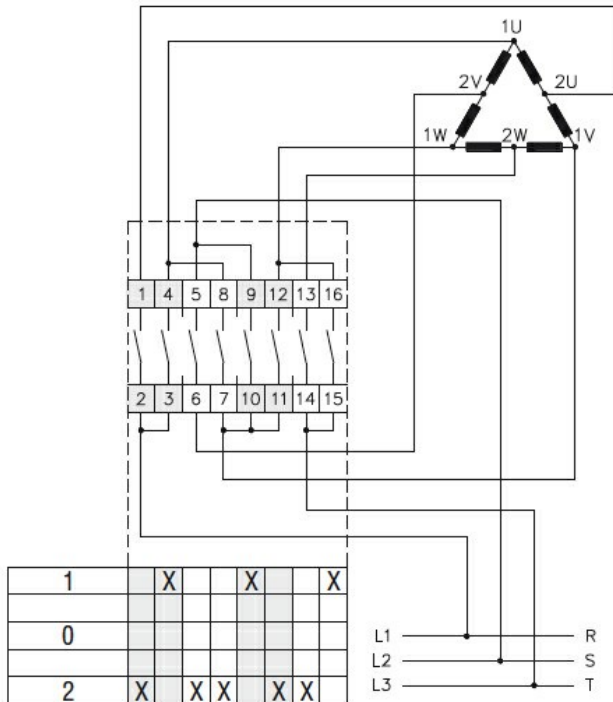
| | |
|---------------------|------|
| Frontal IP degree | IP65 |
| Terminals IP degree | IP20 |

Dimensions



| Series | Dimensions | | | | | | | L Number of elements | | | | | | | | | | | |
|--------|------------|------|-----|-----|------|----|----|----------------------|------|----|------|----|------|-----|-------|-----|-------|-----|-------|
| | □A | C | ∅D1 | ∅D2 | E | □K | □N | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| GX16 | 48 | 39.5 | 12 | 5 | 26.5 | 36 | 6 | 43 | 51.5 | 60 | 68.5 | 77 | 85.5 | 94 | 102.5 | 111 | 119.5 | 128 | 136.5 |
| GX20 | 48 | 39.5 | 12 | 5 | 26.5 | 36 | 6 | 43 | 51.5 | 60 | 68.5 | 77 | 85.5 | 94 | 102.5 | 111 | 119.5 | 128 | 136.5 |
| GX32 | 65 | 53 | 14 | 5 | 34.5 | 48 | 7 | 51 | 63 | 75 | 85 | 99 | 111 | 123 | 135 | 147 | 159 | 171 | 183 |
| GX40 | 65 | 53 | 14 | 5 | 34.5 | 48 | 7 | 51 | 63 | 75 | 85 | 99 | 111 | 123 | 135 | 147 | 159 | 171 | 183 |

Wiring diagrams



Certifications and compliance

Compliance

- CSA C22.2 n° 14
- IEC/EN/BS 60947-1
- IEC/EN/BS 60947-3
- IEC/EN/BS 60947-5-1
- IEC/EN/BS 61058-1
- UL60947-4-1

Certificates

cULus

EAC

ETIM classification

ETIM 8.0

EC001105 - Off-load switch