

| | | | |
|--|--|----|-----------|
| Product designation | Rotary cam switches | | |
| Product type designation | 7GN32 | | |
| General characteristics | | | |
| Switching diagram | 20 - Dahlander motor 2-speed reversing switch | | |
| N° of elements | 6 | | |
| Mounting form | O98 - Rear mounting with red/yellow handle padlockable in 0, door coupling and protection covers | | |
| 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 | 32 |
| | UL/CSA | A | 40 |
| Rated operational voltage | | V | 480 |
| Rated operational impulse voltage | | kV | 4 |
| Maximum fuse size for short-circuit protection In (gG) | 10kA | A | 32 |
| | 15kA | A | 32 |
| | 25kA | A | 32 |
| | 50kA | A | 32 |
| Rated short time current Icw | 1s | kA | 800 |
| Conductivity | | | 10/5 mA/V |
| Operational current Ie 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 | 2.2 |
| | 220/230V | kW | 4 |
| | 380/440V | kW | 6.5 |
| Three-phase AC23A | 220/230V | kW | 8 |
| | 380/440V | kW | 15 |
| | 500/690V | kW | 18.5 |

Single-phase AC23A

| | | |
|----------|----|-----|
| 110V | kW | 2.2 |
| 220/230V | kW | 4 |
| 380/440V | kW | 7.5 |

Rated operational current in DC

DC21A

| | | |
|------|---|-----|
| 48V | A | 32 |
| 60V | A | 32 |
| 110V | A | 6 |
| 220V | A | 0.9 |

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 | 16 |
| 110V | A | 3 |
| 220V | A | 0.5 |

Power dissipation

W 1.5

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 | 4 |

Conductor size (IEC) - Rigid cable

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

Mechanical life

cycles 5x10⁶

UL technical data

Motor power for direct-on-line control

for three-phase motor

| | | |
|------|----|----|
| 120V | HP | 5 |
| 240V | HP | 10 |
| 480V | HP | 15 |
| 600V | HP | 15 |

for single-phase motor

| | | |
|------|----|---|
| 120V | HP | 2 |
| 240V | HP | 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 | IP40 |
| Terminals IP degree | IP00 |

ETIM classification

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