

ENERGY AND AUTOMATION

ENCLOSED ROTARY CAM SWITCH GX SERIES, DAHLANDER MOTOR CONTROL SWITCH 1-0-2, 32A IN PLASTIC ENCLOSURE 110X110MM WITH RED/YELLOW HANDLE

| Product designation | | | Enclosed rotary |
|--|----------------------|----------|--|
| Product type designation | | | cam switch GX32 |
| General characteristics | | | GA32 |
| Switching diagram | | | 13 - Dahlander motor control switch 1-0-2 |
| N° of elements | | | 4 |
| Mounting form | | | P25 - Plastic enclosure with red/yellow handle |
| 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 | Α | 32 |
| | UL/CSA | A | 32 |
| Rated operational voltage | | V | 440 |
| Rated operational impulse voltage | | kV | 4 |
| Maximum fuse size for short-circuit protection In (gG) | | | |
| | 10kA | Α | 35 |
| | 15kA | Α | 35 |
| · | 25kA | Α | 35 |
| Rated short time current Icw | | | 4000 |
| | 1s | kA | 1000 |
| Conductivity | | | 10/5 mA/V |
| Operational current le IEC/EN | | | |
| AC1/AC21A | | ۸ | 20 |
| A C 4 5 | | A | 32 |
| AC15 | 110\/ | ۸ | 25 |
| | 110V | A | 25 |
| | 220/230V 380/400V | A A | 20 10 |
| | 660/690V | A | 2 |
| Rated operational power in AC | 000/0901 | | |
| Three-phase AC-3 | | | |
| 111166-p11836 AO-3 | 220/230V | kW | 7.5 |
| | 380/440V | kW | 11 |
| | 500/690V | kW | 11 |
| Single-phase AC-3 | 223,000 1 | | • • |
| Single prices / to o | 110V | kW | 1.8 |
| | 220/230V | kW | 3.5 |
| | 380/440V | kW | 5.5 |
| Three-phase AC23A | | <u> </u> | |
| | 220/230V | kW | 8 |
| | 380/440V | kW | 15 |
| | 500/690V | kW | 15 |
| Single-phase AC23A | | | |
| . | 110V | kW | 2.2 |
| | 220/230V | kW | 3.5 |
| <u></u> | 380/440V | kW | 6 |
| Rated operational current in DC | | | |



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| | DC24 A | | | | |
|--|--|---|--|--|--|
| | DC21A | 48V | Α | 32 | |
| | | 46 V 60 V | A | 32 | |
| | | 110V | A | 5 | |
| | | 220V | A | 0.8 | |
| | | 440V | A | 0.25 | |
| | DC23A (poles in series) | | | 0.20 | |
| | · · (p - · · · · · · · · · · · ·) | 24V | Α | 32 (1) | |
| | | 48V | Α | 32 (2) | |
| | | 60V | Α | 32 (3) | |
| | | 110V | Α | 15 (3) | |
| | | 220V | Α | 12 (4) | |
| | DC13 | | | | |
| | | 24V | Α | 32 | |
| | | 48V | Α | 25 | |
| | | 60V | Α | 14 | |
| | | 110V | Α | 3 | |
| | | 220V | Α | 0.5 | |
| | | 440V | Α | 0.15 | |
| Power dissipation | | | W | 1.6 | |
| Mechanical features | | | | | |
| Terminals screw | | | | M4 | |
| Tightening torque for te | rminals max | | Nm | 1.2 | |
| Conductor size | | | | | |
| | AWG - Rigid cable | | | | |
| | | min | AWG | 16 | |
| | | Max | AWG | 8 | |
| | AWG - Flexible cable | | | | |
| | | | A 1 A / C | 4.0 | |
| | | min | AWG | 16 | |
| | | min Max | AWG | 10 | |
| | Conductor size (IEC) - Flexible cable | | AWG | 10 | |
| | Conductor size (IEC) - Flexible cable | Max min | AWG | 1.5 | |
| | | Max | AWG | 10 | |
| | Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable | Max min Max | AWG mm² mm² | 1.5 6 | |
| | | Max min Max min | AWG mm² mm² mm² | 1.5 6 1.5 | |
| | | Max min Max | MMG mm² mm² mm² mm² | 1.5 6 1.5 1.0 | |
| Mechanical life | | Max min Max min | AWG mm² mm² mm² | 1.5 6 1.5 | |
| UL technical data | Conductor size (IEC) - Rigid cable | Max min Max min | MMG mm² mm² mm² mm² | 1.5 6 1.5 1.0 | |
| | Conductor size (IEC) - Rigid cable on-line control | Max min Max min | MMG mm² mm² mm² mm² | 1.5 6 1.5 1.0 | |
| UL technical data | Conductor size (IEC) - Rigid cable | Max min Max min Max | AWG mm² mm² mm² cycles | 1.5 6 1.5 10 1X10 ⁶ | |
| UL technical data | Conductor size (IEC) - Rigid cable on-line control | Max min Max min Max | AWG mm² mm² mm² cycles | 10 1.5 6 1.5 10 1X10 ⁶ | |
| UL technical data | Conductor size (IEC) - Rigid cable on-line control | Max min Max min Max | AWG mm² mm² mm² cycles HP HP | 1.5 6 1.5 10 1X10 ⁶ 3 7.5 | |
| UL technical data | Conductor size (IEC) - Rigid cable on-line control | Max min Max min Max 120V 240V 480V | MWG mm² mm² mm² cycles HP HP | 1.5 6 1.5 10 1X10 ⁶ 3 7.5 15 | |
| UL technical data | Conductor size (IEC) - Rigid cable on-line control for three-phase motor | Max min Max min Max 120V 240V | AWG mm² mm² mm² cycles HP HP | 1.5 6 1.5 10 1X10 ⁶ 3 7.5 | |
| UL technical data | Conductor size (IEC) - Rigid cable on-line control | Max min Max min Max 120V 240V 480V 600V | AWG mm² mm² mm² cycles HP HP HP | 10 1.5 6 1.5 10 1X10 ⁶ 3 7.5 15 | |
| UL technical data | Conductor size (IEC) - Rigid cable on-line control for three-phase motor | Max min Max min Max 120V 240V 480V 600V | AWG mm² mm² mm² cycles HP HP HP HP | 10 1.5 6 1.5 10 1X10 ⁶ 3 7.5 15 15 | |
| UL technical data Motor power for direct-o | Conductor size (IEC) - Rigid cable on-line control for three-phase motor | Max min Max min Max 120V 240V 480V 600V | AWG mm² mm² mm² cycles HP HP HP | 10 1.5 6 1.5 10 1X10 ⁶ 3 7.5 15 | |
| UL technical data Motor power for direct-order Ambient conditions | Conductor size (IEC) - Rigid cable on-line control for three-phase motor | Max min Max min Max 120V 240V 480V 600V | AWG mm² mm² mm² cycles HP HP HP HP | 10 1.5 6 1.5 10 1X10 ⁶ 3 7.5 15 15 | |
| UL technical data Motor power for direct-o | Conductor size (IEC) - Rigid cable on-line control for three-phase motor for single-phase motor | Max min Max min Max 120V 240V 480V 600V | AWG mm² mm² mm² cycles HP HP HP HP | 10 1.5 6 1.5 10 1X10 ⁶ 3 7.5 15 15 | |
| UL technical data Motor power for direct-order Ambient conditions | Conductor size (IEC) - Rigid cable on-line control for three-phase motor | Max min Max min Max 120V 240V 480V 600V 120V 240V | AWG mm² mm² mm² cycles HP HP HP HP HP | 10 1.5 6 1.5 10 1X10 ⁶ 3 7.5 15 15 1.5 3 | |
| UL technical data Motor power for direct-order Ambient conditions | Conductor size (IEC) - Rigid cable on-line control for three-phase motor for single-phase motor | Max min Max min Max 120V 240V 480V 600V 120V 240V | AWG mm² mm² mm² cycles HP HP HP HP HP | 10 1.5 6 1.5 10 1X10 ⁶ 3 7.5 15 15 1.5 3 | |
| UL technical data Motor power for direct-order Ambient conditions | Conductor size (IEC) - Rigid cable on-line control for three-phase motor for single-phase motor Operating temperature | Max min Max min Max 120V 240V 480V 600V 120V 240V | AWG mm² mm² mm² cycles HP HP HP HP HP | 10 1.5 6 1.5 10 1X10 ⁶ 3 7.5 15 15 1.5 3 | |
| UL technical data Motor power for direct-order Ambient conditions | Conductor size (IEC) - Rigid cable on-line control for three-phase motor for single-phase motor | Max min Max min Max 120V 240V 480V 600V 120V 240V | AWG mm² mm² mm² cycles HP HP HP HP HP | 10 1.5 6 1.5 10 1X10 ⁶ 3 7.5 15 15 1.5 3 | |

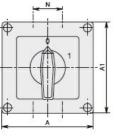
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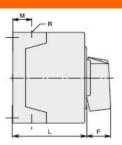
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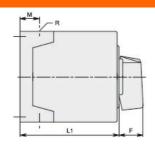
max °C +70

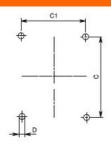
Resistance & Protection Frontal IP degree IP65 Terminals IP degree IP20

Dimensions



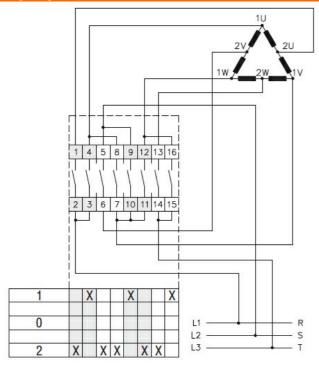






| GX16 | 90x90 | 1 - 2 | 3-5 | 90 | 90 | 79 | 79 | 4.5 | 25 | 19 | 30 | 71.2 | 98.3 | 4xPG16 | IP65 |
|------|---------|-------|-------|-----|-----|------|-----|-----|----|----|------|------|-------|---------|-----------|
| GX20 | | 1 - 2 | 3-5 | 90 | 90 | 19 | 19 | 4.5 | 25 | 19 | 30 | 71.3 | 90.3 | 4XFG10 | 1100 |
| GX16 | 110x110 | 1 - 3 | 4 - 7 | | | | | | | | | | | | · · · · · |
| GX20 | | 1 - 3 | 4-7 | 110 | 110 | 98.4 | 83 | 4.5 | 32 | 21 | 39.5 | 85.5 | 119.5 | 4xPG21 | IP65 |
| GX32 | | 1 - 2 | 3-4 | 110 | 110 | 90.4 | 0.5 | 4.5 | 32 | 21 | 39.5 | 05.5 | 119.5 | 487 021 | 1100 |
| GX40 | | 1 - 2 | 3-4 | | | | | | | | | | | | |

Wiring diagrams



Certifications and compliance

Compliance

IEC/EN/BS 60947-1

IEC/EN/BS 60947-3

IEC/EN/BS 60947-5-1

IEC/EN/BS 61058-1

Certificates

EAC

ETIM classification

ETIM 8.0

EC001029 -Selector switch, complete