

ROTARY CAM SWITCH 7GN SERIES, DAHLANDER MOTOR CONTROL SWITCH 1-0-2, 16A, FOR REAR MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

| Product type designation | Product designation | | | | Rotary cam |
|--|--------------------------|----------------------------------|-----------|-------------|---------------|
| Switching diagram 13 - Dahlander motor control switch 1-0-2 14 14 15 15 15 15 15 15 | _ | | | | |
| Nith of elements 13 - Dahlander motor control motor control motor control switch 1-0-2 | | | | | /GN12 |
| Mounting form | | | | | motor control |
| Mounting form Mounting with black handle Mounting with black handle | N° of elements | | | | 4 |
| Rated insulation voltage Uimp | Mounting form | | | | mounting with |
| IEC/EN V 690 | | | | | |
| Rated impulse withstand voltage Uimp | Rated insulation voltag | e Ui | | | |
| Rated impulse withstand voltage Uimp | | | | | |
| Conventional free air thermal current lith | | | UL/CSA | | |
| Rated operational voltage V V V V V V V V V | | | | kV | 6 |
| Rated operational voltage V | Conventional free air th | nermal current ith | IEO/EN | ۸ | 4.0 |
| Rated operational voltage | | | | | |
| Rated operational impulse voltage | Pated operational volts | 200 | UL/CSA | | |
| Maximum fuse size for short-circuit protection In (gG) | | | | | |
| 10kA A 16 15kA A 10 25kA A 10 20 20 20 20 20 20 20 | | | | K V | |
| Table Tabl | Maximum rase size for | short circuit protection in (ge) | 10kA | Α | 16 |
| Rated short time current Icw | | | | | |
| Rated short time current low | | | | | |
| Conductivity | Rated short time curre | nt Icw | | | |
| A | | | 1s | Α | 200 |
| AC1/AC21A AC15 T110V A 10 220/230V A 4 380/400V A 4 660/690V A 1.5 Rated operational power in AC Three-phase AC-3 220/230V kW 2.5 380/440V kW 4 500/690V kW 5.5 Single-phase AC-3 110V kW 0.8 220/230V kW 1.5 380/440V kW 1.5 380/440V kW 2.2 Three-phase AC23A 220/230V kW 7.5 Single-phase AC23A 110V kW 0.8 220/230V kW 1.5 380/440V kW 7.5 Single-phase AC23A 110V kW 0.8 220/230V kW 3 380/440V kW 5.5 Single-phase AC23A 110V kW 0.8 220/230V kW 7.5 Single-phase AC23A | Conductivity | | | | 10/5 mA/V |
| A 16 AC15 110V A 10 220/230V A 8 380/400V A 4 660/690V A 1.5 Rated operational power in AC Three-phase AC-3 220/230V kW 2.5 380/440V kW 4 500/690V kW 5.5 Single-phase AC-3 110V kW 0.8 220/230V kW 1.5 380/440V kW 1.5 380/440V kW 2.2 Three-phase AC23A 220/230V kW 5.5 Single-phase AC23A 110V kW 3 380/440V kW 2.2 Three-phase AC23A 110V kW 5.5 500/690V kW 7.5 Single-phase AC23A | Operational current le | IEC/EN | | | _ |
| AC15 110V A 10 220/230V A 8 380/400V A 4 660/690V A 1.5 Rated operational power in AC Three-phase AC-3 220/230V kW 2.5 380/440V kW 4 500/690V kW 5.5 Single-phase AC-3 110V kW 0.8 220/230V kW 1.5 380/440V kW 1.5 380/440V kW 2.2 Three-phase AC23A 220/230V kW 5.5 Single-phase AC23A 110V kW 5.5 Single-phase AC23A 220/230V kW 5.5 Single-phase AC23A 110V kW 5.5 Single-phase AC23A 110V kW 5.5 Single-phase AC23A 110V kW 0.8 220/230V kW 7.5 Single-phase AC23A | | AC1/AC21A | | | |
| 110V | | | | Α | 16 |
| Single-phase AC23A 220/230V | | AC15 | | | |
| Rated operational power in AC Three-phase AC-3 | | | | | |
| Rated operational power in AC Three-phase AC-3 220/230V kW 2.5 380/440V kW 4 500/690V kW 5.5 Single-phase AC-3 110V kW 0.8 220/230V kW 1.5 380/440V kW 2.2 Three-phase AC23A 220/230V kW 3 380/440V kW 2.2 Three-phase AC23A 220/230V kW 3 380/440V kW 5.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.8 220/230V kW 3 380/440V kW 5.5 500/690V kW 7.5 | | | | | |
| Rated operational power in AC Three-phase AC-3 220/230V kW 2.5 380/440V kW 4 500/690V kW 5.5 Single-phase AC-3 110V kW 0.8 220/230V kW 1.5 380/440V kW 2.2 Three-phase AC23A 220/230V kW 3 380/440V kW 5.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.8 220/230V kW 7.5 110V kW 0.8 220/230V kW 7.5 | | | | | |
| Three-phase AC-3 220/230V kW 2.5 380/440V kW 4 500/690V kW 5.5 Single-phase AC-3 110V kW 0.8 220/230V kW 1.5 380/440V kW 2.2 Three-phase AC23A 220/230V kW 3 380/440V kW 5.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.8 220/230V kW 7.5 | Datad aparational now | var in AC | 06U/69UV | A | 1.5 |
| 220/230V kW 2.5 380/440V kW 4 500/690V kW 5.5 | Rated operational pow | | | | |
| 380/440V kW 4 500/690V kW 5.5 Single-phase AC-3 110V kW 0.8 220/230V kW 1.5 380/440V kW 2.2 Three-phase AC23A 220/230V kW 3 380/440V kW 5.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.8 220/230V kW 7.5 | | Tillee-pilase AC-3 | 220/230\/ | <i>۱</i> ۸۸ | 2.5 |
| 500/690V kW 5.5 | | | | | |
| Single-phase AC-3 110V kW 0.8 220/230V kW 1.5 380/440V kW 2.2 Three-phase AC23A 220/230V kW 3 380/440V kW 5.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.8 220/230V kW 1.7 | | | | | |
| 110V kW 0.8 220/230V kW 1.5 380/440V kW 2.2 Three-phase AC23A 220/230V kW 3 380/440V kW 5.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.8 220/230V kW 1.7 | | Single-phase AC-3 | | | |
| 220/230V kW 1.5 380/440V kW 2.2 Three-phase AC23A 220/230V kW 3 380/440V kW 5.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.8 220/230V kW 1.7 | | 3 - 1 | 110V | kW | 0.8 |
| Three-phase AC23A 220/230V kW 3 380/440V kW 5.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.8 220/230V kW 1.7 | | | | | 1.5 |
| 220/230V kW 3 380/440V kW 5.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.8 220/230V kW 1.7 | | | 380/440V | kW | 2.2 |
| 380/440V kW 5.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.8 220/230V kW 1.7 | | Three-phase AC23A | | | _ |
| 500/690V kW 7.5 Single-phase AC23A 110V kW 0.8 220/230V kW 1.7 | | | | | |
| Single-phase AC23A 110V kW 0.8 220/230V kW 1.7 | | | | | |
| 110V kW 0.8 220/230V kW 1.7 | | | 500/690V | kW | 7.5 |
| 220/230V kW 1.7 | | Single-phase AC23A | | , , | 0.0 |
| | | | | | |
| 38U/44UV KVV 3 | | | | | |
| | | | 30U/44UV | r\ v v | J |

ROTARY CAM SWITCH 7GN SERIES, DAHLANDER MOTOR CONTROL SWITCH 1-0-2, 16A, FOR REAR MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

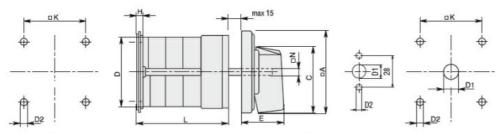
| Rated operational c | | | | |
|----------------------|---------------------------------------|---------------------------------------|--------|-------------------|
| | DC21A | | | |
| | | 48V | Α | 12 |
| | | 60V | Α | 12 |
| | | 110V | Α | 4 |
| | | 220V | Α | 0.6 |
| | | 440V | Α | 0.25 |
| | DC23A (poles in series) | 1101 | - / \ | 0.20 |
| | DC23A (poles ili selles) | 24V | ۸ | 10 (1) |
| | | 48V | A | 10 (1) |
| | | | A | 10 (2) |
| | | 60V | Α | 10 (3) |
| | | 110V | Α | 5 (3) |
| | | 220V | Α | 5 (4) |
| | DC13 | | | |
| | | 24V | Α | 12 |
| | | 48V | Α | 10 |
| | | 60V | Α | 8 |
| | | 110V | Α | 1 |
| | | 220V | Α | 0.4 |
| | | 440V | A | 0.15 |
| Power dissipation | | 7701 | W | 0.8 |
| Mechanical features | <u> </u> | | V V | 0.0 |
| Terminals screw | | | | M3 |
| | er terminale may | | Nm | |
| Tightening torque fo | ir terminais max | | INIII | 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 | mm² | 0.5 |
| | | Max | mm² | 2.5 |
| | Conductor size (IEC) - Rigid cable | | | |
| | | min | mm² | 0.5 |
| | | Max | mm² | 2.5 |
| Mechanical life | | IVICA | cycles | 3x10 ⁶ |
| UL technical data | | | Cycles | JA 10 |
| Motor power for dire | ect-on-line control | | | |
| Motor Power for diff | | | | |
| | for three-phase motor | 4001/ | ווס | 1 E |
| | | 120V | HP | 1.5 |
| | | 240V | HP | 3 |
| | for single-phase motor | | | |
| | | 120V | HP | 0.5 |
| | | 240V | HP | 1 |
| Ambient conditions | | | | |
| Temperature | | | | |
| | Operating temperature | | | |
| | | min | °C | -25 |
| | | max | °C | +55 |
| | Storage temperature | | | |
| | 3 1 | min | °C | -40 |
| | | max | °C | +70 |
| | | · · · · · · · · · · · · · · · · · · · | | · · · · |

ENERGY AND AUTOMATION

ROTARY CAM SWITCH 7GN SERIES, DAHLANDER MOTOR CONTROL SWITCH 1-0-2, 16A, FOR REAR MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

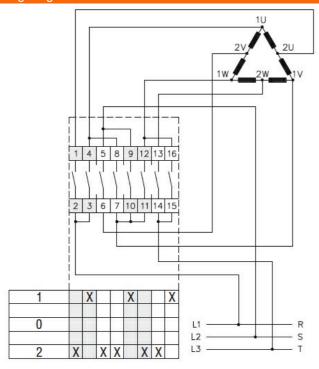
| Resistance & Protection | |
|-------------------------|------|
| Frontal IP degree | IP40 |
| Terminals IP degree | IP00 |

Dimensions



| Series | Dimensions | | | | | | | L Number of elements | | | | | | | | | | | | |
|--------|------------|------|----|-----|------|-----|----|----------------------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Series | □A | С | ØD | ØD2 | Е | Н | □K | □N | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 7GN12 | 48 | 39.5 | 39 | 5 | 26.5 | 5 | 36 | 6 | 38.1 | 47.8 | 57.5 | 67.2 | 76.9 | 86.6 | 96.3 | 106 | 115.7 | 125.4 | 135.1 | 144.8 |
| 7GN20 | 48 | 39.5 | 39 | 5 | 26.5 | 5 | 36 | 6 | 38.1 | 47.8 | 57.5 | 67.2 | 76.9 | 86.6 | 96.3 | 106 | 115.7 | 125.4 | 135.1 | 144.8 |
| 7GN25 | 48 | 39.5 | 43 | 5 | 26.5 | 5 | 36 | 6 | 42.5 | 56.1 | 69.7 | 83.3 | 96.9 | 110.5 | 124.1 | 137.7 | 151.3 | 164.9 | 178.5 | 192.1 |
| 7GN32 | 65 | 53 | 58 | 5 | 34.5 | 5.5 | 48 | 7 | 48.5 | 63.6 | 78.7 | 93.8 | 108.9 | 124 | 139.1 | 154.2 | 169.3 | 184.4 | 199.5 | 214.6 |
| 7GN40 | 65 | 53 | 58 | 5 | 34.5 | 5.5 | 48 | 7 | 48.5 | 63.6 | 78.7 | 93.8 | 108.9 | 124 | 139.1 | 154.2 | 169.3 | 184.4 | 199.5 | 214.6 |
| 7GN63 | 65 | 53 | 62 | 6 | 34.5 | 7.5 | 68 | 7 | 53.3 | 71.4 | 89.5 | 107.6 | 125.7 | 143.8 | 161.9 | 180 | 198.1 | 216.2 | 234.3 | 252.4 |
| 7GN125 | 90 | 70.5 | 86 | 6 | 41.4 | 7.5 | 68 | 9 | 74.8 | 103.9 | 133 | 162.1 | 191.2 | 220.3 | 249.4 | 278.5 | 307.6 | 336.7 | 365.8 | 394.9 |

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

UL60947-4-1

Certificates

7GN1213O



7GN1213O

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| cCSAus | |
|--------|--|
| EAC | |
| UL | |

ETIM classification

ETIM 8.0

EC001029 -Selector switch, complete