



ENCLOSED ROTARY CAM SWITCH 7GN SERIES, DAHLANDER MOTOR CONTROL SWITCH 0-1-2, 40A IN PLASTIC ENCLOSURE 110X110MM WITH BLACK HANDLE

| Product designation | | | | Enclosed rotary |
|---|------------------------------|----------|--------|---|
| _ | | | | cam switch |
| Product type designation General characteristics | | | | 7GN40 |
| General characteristics | | | | 19 - Dahlander |
| Switching diagram | | | | motor control switch 0-1-2 |
| N° of elements | | | | 4 |
| Mounting form | | | | P - Plastic enclosure with black handle |
| Contact characteristics | | | | |
| Rated insulation voltage Ui | | | | |
| | | IEC/EN | V | 690 |
| B | | UL/CSA | V | 600 |
| Rated impulse withstand vo | | | kV | 6 |
| Conventional free air therm | iai current ith | IEC/EN | ۸ | 40 |
| | | UL/CSA | A | 40 50 |
| Rated operational voltage | | UL/C3A | A V | 480 |
| Rated operational impulse | voltage | | kV | 4 |
| Maximum fuse size for sho | | | ΚV | |
| Maximum rade dize for dire | it chouse protoction in (gC) | 10kA | Α | 40 |
| | | 15kA | Α | 40 |
| | | 25kA | Α | 40 |
| | | 50kA | Α | 40 |
| | | 63kA | Α | 40 |
| Rated short time current Ic | w | | | |
| | | 1s | Α | 1000 |
| Conductivity | | | | 10/5 mA/V |
| Operational current le IEC/ | ΈN | | | |
| AC | C1/AC21A | | | |
| | | | Α | 40 |
| AC | C15 | | | |
| | | 110V | Α | 25 |
| | | 220/230V | A | 22 |
| | | 380/400V | A | 12 |
| Dated aparational power in | | 660/690V | Α | 2 |
| Rated operational power in | | | | |
| 111 | ree-phase AC-3 | 220/230V | kW | 8 |
| | | 380/440V | kW | 15 |
| | | 500/690V | kW | 15 |
| Sir | ngle-phase AC-3 | 000/0001 | 1000 | |
| 0 | igio pridos / to o | 110V | kW | 3 |
| | | 220/230V | kW | 6.5 |
| | | 380/440V | kW | 8 |
| Th | ree-phase AC23A | | | _ |
| | | 220/230V | kW | 8 |
| | | 380/440V | kW | 18.5 |
| | | 500/690V | kW | 22 |
| Siı | ngle-phase AC23A | 110V | kW | 3 |



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| | | 220/230V | kW | 6 |
|--|--|------------|---------|-------------------|
| | | 380/440V | kW | 11 |
| Rated operational curr | | | | |
| | DC21A | 4017 | | 40 |
| | | 48V | A | 40 |
| | | 60V | A | 40 |
| | | 110V | A | 6 |
| | 70001 () | 220V | Α | 0.9 |
| | DC23A (poles in series) | 0.01 | | 10 (1) |
| | | 24V | A | 40 (1) |
| | | 48V | Α | 40 (2) |
| | | 60V | Α | 40 (3) |
| | | 110V | Α | 20 (3) |
| | | 220V | A | 12 (4) |
| | DC13 | | | |
| | | 24V | Α | 40 |
| | | 48V | Α | 32 |
| | | 60V | Α | 16 |
| | | 110V | Α | 3 |
| Power dissipation | | | W | 2.0 |
| Mechanical features | | | | |
| Terminals screw | | | | M4 |
| Tightening torque for t | erminals max | | Nm | 1.2 |
| Conductor size | | | | |
| | AWG - Rigid cable | | | |
| | g | min | AWG | 16 |
| | | Max | AWG | 8 |
| | AWG - Flexible cable | Wich | 71110 | |
| | AWG TICKIBIC CUBIC | min | AWG | 16 |
| | | Max | AWG | 10 |
| | Conductor size (IEC) - Flexible cable | IVIAX | AVVO | 10 |
| | Conductor size (ILC) - I lexible cable | min | mm² | 1.5 |
| | | Max | mm² | 6 |
| | Condustor size (IEC) Digid coble | IVIAA | 1111111 | 0 |
| | Conductor size (IEC) - Rigid cable | | 2 | 4 5 |
| | | min May | mm² | 1.5 |
| NA 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | Max | mm² | 10 |
| Mechanical life | | | cycles | 5x10 ⁶ |
| UL technical data | and Programme Conf. | | | |
| Motor power for direct | | | | |
| | for three-phase motor | 40014 | | _ |
| | | 120V | HP | 5 |
| | | 240V | HP | 10 |
| | | 480V | HP | 20 |
| | | 600V | HP | 20 |
| | 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 |
| | | 111111 | U | 70 |



ENERGY AND AUTOMATION

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C1

4xPG29

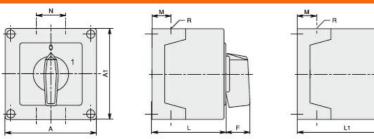
2xPG11

IP65

max °C +70

| Resistance & Protection | |
|-------------------------|------|
| Frontal IP degree | IP65 |
| Terminals IP degree | IP00 |

Dimensions



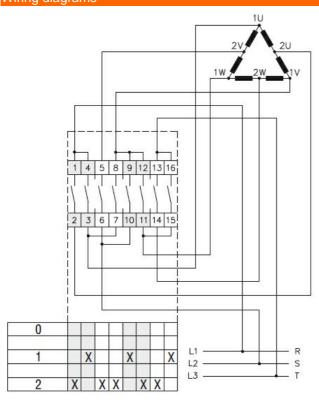
| Å | > | - | L | >- | F | | < ' | L1 | > | F > | - | ▼ D | | |
|-----------|------------------------------------|--|--|------------------------------|--|-----------------------------------|--|--|---------------------|---------------------------------|----------------|----------------|-------------------------------|------------------------------------|
| Enclosure | Number o | f elements | | 515 | 10 | 10 | Dimer | nsions | 100 | alle. | elle. | nte. | Cable | Protection |
| size | L | L1 | Α | A1 | С | C1 | D | F | M | N | L | L1 | entry | degree |
| 75x75 | 1 - 2 | 3 - 4 | 19040007 | 000000 | 276272 | 5700-6 | 0.0000000 | 200 | | Donne | | | 9.104.330.194-033 | 260 1000000 |
| | 1-2 | 3 - 4 | 75 | 75 | 50 | 64 | 4.5 | 19 | 14 | 28 | 57.5 | 79.8 | 4xPG13.5 | IP65 |
| | 1 | 2-3 | | | | | | | | | | | | |
| 90x90 | 1-3 | 4 - 6 | | | | | | | | | | | | |
| | 1-3 | 4 - 6 | 1969 | 5463 | 1000 | 69458 | 2000000 | 0900 | 2000 | 10000 | 10-81 020-80 | 0.000.000 | W. C. C. C. C. C. C. | (2000)2500 |
|] | | | 90 | 90 | 79 | 63 | 4.5 | 25 | 19 | 30 | 71.3 | 98.3 | 4xPG16 | IP65 |
| | 1-2 | | | | | | | | | | | | | |
| | 1 | | | | | | | | | | | | | |
| 110x110 | 1-4 | | | | | | | | | | | | | |
| | 1-4 | 5 - 8 | | | | | | | | | | | | |
| | | | 110 | 110 | 98.4 | 83 | 45 | 32 | 21 | 39.5 | 85.5 | 1195 | 4vPG21 | IP65 |
| | | | 110 | 110 | 30.4 | - 00 | 4.0 | 02 | -' | 00.0 | 00.0 | 110.0 | TAI GET | 11 00 |
| | | - | | | | | | | | | | | | |
| | | 3 - 4 | | | | | | | | | | | | |
| 125x175 | | | | | | | | | | | | | | |
| | 1 - 2 | 3 - 4 | 125 | 175 | 146 | 112 | 5.5 | 32 | 21 | 68 | 843 | 1183 | 4xPG21 | IP65 |
| | 1 - 2 | 100000 | 120 | 173 | 140 | 112 | 0.0 | 02 | -1 | 00 | 04.0 | 110.5 | 2xPG11 | 11 00 |
| | 1 | 2 | | | | | | | | | | | | |
| 180x254 | 1-5 | 6-8 | | | | | | | | | | | | |
| | Enclosure size 75x75 90x90 110x110 | Enclosure size Number of To To To To To To To To | Enclosure size L L1 75x75 1-2 3-4 1-2 3-4 1-3 4-6 1-2 3-4 1-2 3-4 1-2 3-4 1-2 3-4 1-2 3-4 1-2 3-4 1-2 3-4 1-2 3-4 1-2 3-4 1-2 3-4 1-3 4-5 1-3 4-5 1-3 4-5 1-3 4-5 1-2 3-4 1-2 3-4 1-2 3-4 1-2 3-4 1-2 3-4 1-2 3-4 1-2 3-4 1-2 3-4 | Enclosure Size L L1 A 75x75 | Enclosure size L L1 A A1 75x75 1 - 2 3 - 4 1 - 2 3 - 4 1 - 2 3 - 4 75 75 90x90 1 - 3 4 - 6 1 - 2 3 - 4 1 - 2 3 - 4 1 - 2 3 - 4 1 - 2 3 - 4 1 1 2 - 3 110x110 1 - 4 5 - 8 1 - 4 5 - 8 1 - 3 4 - 5 1 - 3 4 - 5 1 - 2 3 - 4 125x175 1 - 3 4 - 5 1 - 2 3 - 4 125x175 1 - 3 4 - 5 1 - 2 3 - 4 125x175 1 - 3 4 - 5 1 - 2 3 - 4 1 - 2 3 - 4 1 - 2 3 - 4 1 - 2 3 - 4 1 - 2 1 - 2 3 - 4 1 - 2 1 - 2 1 - 2 1 - 2 1 - 2 1 - 3 1 | Enclosure Size L L1 A A1 C 75x75 | Enclosure size L L1 A A A1 C C1 75x75 1-2 3-4 1-2-3 4-6 1-3 4-6 1-2 3-4 1-2 3-4 1-2 3-4 110x110 1-4 5-8 1-3 4-5 1-3 4-5 1-2 3-4 110x175 1-3 4-5 1-2 3-4 110x175 1-3 4-5 1-2 3-4 110x175 1-3 110x175 1 | Enclosure Size L L1 A A1 C C1 D 75x75 1-2 3-4 | Enclosure size L | Number of elements Dimensions | Enclosure size | Enclosure size | Number of elements Size L | Enclosure Number of elements L |

Wiring diagrams

7GN40

7GN63

7GN125



5 - 7

4 - 6

3 - 4

1-3

1-2

180

254

120

190

5.5

32

35

76

121

175





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| Certifications and com | npliance | |
|------------------------|---------------------|--|
| Compliance | | |
| | IEC/EN/BS 60947-1 | |
| | IEC/EN/BS 60947-3 | |
| | IEC/EN/BS 60947-5-1 | |
| Certificates | | |
| | EAC | |
| ETIM classification | | |
| ETIM 8.0 | | EC001029 - Selector switch, complete |