

7GN2019P ENCLOSED ROTARY CAM SWITCH 7GN SERIES, DAHLANDER MOTOR CONTROL SWITCH 0-1-2, 20A IN PLASTIC ENCLOSURE 75X75MM WITH BLACK HANDLE

| Product designation | | | Enclosed rotary |
|--|----------------------|-----------|---|
| Product type designation | | | cam switch 7GN20 |
| General characteristics | | | 701120 |
| Switching diagram | | | 19 - Dahlander 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 |
| | UL/CSA | V | 600 |
| Rated impulse withstand voltage Uimp | | kV | 6 |
| Conventional free air thermal current Ith | IEC/EN | ٨ | 20 |
| | UL/CSA | A A | 20 20 |
| Rated operational voltage | 01/03A | X | 480 |
| Rated operational impulse voltage | | kV | 4 |
| Maximum fuse size for short-circuit protection In (gG) | | | • |
| | 10kA | А | 20 |
| | 15kA | А | 16 |
| | 25kA | А | 16 |
| Rated short time current Icw | | | |
| | 1s | kA | 250 |
| Conductivity | | | 10/5 mA/V |
| Operational current le IEC/EN | | | |
| AC1/AC21A | | | |
| 1015 | | A | 20 |
| AC15 | 110\/ | ٨ | 10 |
| | 110V 220/230V | A A | 10 8 |
| | 380/400V | A | 6 |
| | 660/690V | A | 1.5 |
| Rated operational power in AC | 000,0001 | | |
| Three-phase AC-3 | | | |
| · | 220/230V | kW | 3 |
| | 380/440V | kW | 5.5 |
| | 500/690V | kW | 5.5 |
| Single-phase AC-3 | | | |
| | 110V | kW | 0.8 |
| | 220/230V | kW | 2.2 |
| | 380/440V | kW | 3 |
| Three-phase AC23A | 000/0001 | 1-1.1.1 | F |
| | 220/230V 380/440V | kW kW | 5 |
| | 380/440V 500/690V | kvv kW | 7.5 7.5 |
| Single-phase AC23A | 200/0907 | N V V | 1.0 |
| ongie-priase AozoA | 110V | kW | 0.8 |
| | 220/230V | kW | 2.5 |
| | | | 2.0 |

Rated operational current in DC

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ENERGY AND AUTOMATION

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| | DC21A | | | |
|-----------------------|---------------------------------------|------------|--------|-------------------|
| | | 48V | А | 20 |
| | | 60V | А | 20 |
| | | 110V | A | 4 |
| | | 220V | A | 4 0.6 |
| | | | | |
| | | 440V | A | 0.25 |
| | DC23A (poles in series) | | | |
| | | 24V | А | 20 (1) |
| | | 48V | Α | 20 (2) |
| | | 60V | А | 20 (3) |
| | | 110V | А | 10 (3) |
| | | 220V | А | 8 (4) |
| | DC13 | | | |
| | 5010 | 24V | А | 20 |
| | | 24V 48V | | |
| | | | A | 16 |
| | | 60V | A | 12 |
| | | 110V | Α | 1 |
| | | 220V | А | 0.4 |
| | | 440V | А | 0.15 |
| Power dissipation | | | W | 0.8 |
| Mechanical features | | | | |
| Terminals screw | | | | M3 |
| Tightening torque for | terminals may | | Nm | 0.5 |
| | | | | 0.0 |
| 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 |
| | Ora durtas sina (IEO) - Disid sable | IVIAX | 111111 | 2.0 |
| | Conductor size (IEC) - Rigid cable | | 2 | - - |
| | | min | mm² | 0.5 |
| | | Max | mm² | 2.5 |
| Mechanical life | | | cycles | 5x10 ^e |
| UL technical data | | | | |
| Motor power for direc | t-on-line control | | | |
| | for three-phase motor | | | |
| | | 120V | HP | 1.5 |
| | | 240V | HP | 3 |
| | | 480V | HP | 7.5 |
| | | | | |
| | | 600V | HP | 10 |
| | for single-phase motor | | | |
| | | 120V | HP | 0.75 |
| | | 240V | HP | 2 |
| Ambient conditions | | | | |
| Temperature | | | | |
| | Operating temperature | | | |
| | eperating temperature | min | °C | -25 |
| | | | | 20 |
| | | | | . 55 |
| | | max | °C | +55 |
| | Storage temperature | max | °C | |
| | Storage temperature | | | +55 -40 |

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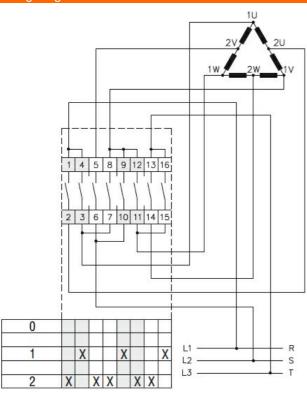
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°C +70 max Resistance & Protection Frontal IP degree IP65 Terminals IP degree **IP00** Dimensions Ν C1 Ð 0 Φ Œ -€ L1 Cable entry Number of elements Dimensions Enclosure Protection degree Series size L1 A A1 С C1 D F Μ Ν L1 1 L 7GN12 75x75 1-2 3 - 4 7GN20 1-2 3-4 75 75 50 64 4.5 19 14 28 57.5 79.8 4xPG13.5 **IP65** 2 - 3 7GN25 1 7GN12 1-3 4 - 6 90x90 7GN20 1-3 4 - 6 3 - 4 90 90 79 63 30 98.3 4xPG16 IP65 7GN25 1-2 4.5 25 19 71.3 3-4 7GN32 1-2 7GN40 1 2 - 3 7GN12 110x110 1-4 5 - 8 1-4 7GN20 5 - 8 7GN25 1-3 4 - 5 110 **IP65** 110 98.4 83 4.5 32 21 39.5 85.5 119.5 4xPG21 7GN32 1-3 4 - 5 7GN40 1-2 3 - 5 7GN63 1-2 3-4 7GN32 125x175 1 - 3 4 - 5 7GN40 1-2 4xPG21 3 - 4 125 175 146 112 32 21 68 84.3 118.3 IP65 5.5 2xPG11 3 - 4 7GN63 1-2 7GN125 2 1 7GN32 180x254 1-5 6 - 8 7GN40 4xPG29 1-4 5 - 7 180 254 120 190 5.5 32 35 76 121 175 IP65 7GN63 2xPG11 1-3 4 - 6 7GN125 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 | | |
| Certificates | | | |
| | EAC | | |
| ETIM classification | on | | |
| | | EC001029 - | |
| ETIM 8.0 | | Selector switch, complete | |