ENERGY AND AUTOMATION



| | | | • |
|--|-----------|----|---------------------------------|
| Draduct designation | | | Enclosed rotary |
| Product designation | | | cam switch |
| Product type designation | | | 7GN40 |
| General characteristics | | | |
| Switching diagram | | | 92 - ON/OFF |
| | | | switch 4 poles |
| N° of elements | | | 2 |
| Mounting form | | | P25 - Plastic enclosure with |
| Nounting form | | | red/yellow handle |
| Contact characteristics | | | |
| Rated insulation voltage Ui | | | |
| 5 | IEC/EN | V | 690 |
| | UL/CSA | V | 600 |
| Rated impulse withstand voltage Uimp | | kV | 6 |
| Conventional free air thermal current Ith | | | |
| | IEC/EN | А | 40 |
| | UL/CSA | А | 50 |
| Rated operational voltage | | V | 480 |
| Rated operational impulse voltage | | kV | 4 |
| Maximum fuse size for short-circuit protection In (gG) | | | |
| | 10kA | А | 40 |
| | 15kA | А | 40 |
| | 25kA | А | 40 |
| | 50kA | A | 40 |
| | 63kA | A | 40 |
| Rated short time current Icw | | | (|
| | 1s | kA | 1000 |
| Conductivity | | | 10/5 mA/V |
| Operational current le IEC/EN | | | |
| AC1/AC21A | | ۸ | 10 |
| AC15 | | A | 40 |
| ACIS | 110V | А | 25 |
| | 220/230V | A | 23 |
| | 380/400V | A | 12 |
| | 660/690V | A | 2 |
| Rated operational power in AC | 000/000 1 | | 2 |
| Three-phase AC-3 | | | |
| | 220/230V | kW | 8 |
| | 380/440V | kW | 15 |
| | 500/690V | kW | 15 |
| Single-phase AC-3 | | | |
| | 110V | kW | 3 |
| | 220/230V | kW | 6.5 |
| | 380/440V | kW | 8 |

7GN4092P25

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7GN4092P25 electric ENCLOSED ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 4 POLES 40A IN PLASTIC

ENCLOSURE 110X110MM WITH RED/YELLOW HANDLE

| | Three-phase AC23A | | | |
|--------------------------------------|--|---|--|---|
| | | 220/230V | kW | 8 |
| | | 380/440V | kW | 18.5 |
| | | 500/690V | kW | 22 |
| | Single-phase AC23A | | | |
| | | 110V | kW | 3 |
| | | 220/230V | kW | 6 |
| | | 380/440V | kW | 11 |
| Rated operational cur | rent in DC | 000,1101 | | |
| | DC21A | | | |
| | DOZIA | 48V | А | 40 |
| | | 40V 60V | A | 40 |
| | | | | |
| | | 110V | A | 6 |
| | | 220V | Α | 0.9 |
| | DC23A (poles in series) | | | |
| | | 24V | A | 40 (1) |
| | | 48V | Α | 40 (2) |
| | | 60V | А | 40 (3) |
| | | 110V | А | 20 (3) |
| | | 220V | А | 12 (4) |
| | DC13 | | | . / |
| | | 24V | А | 40 |
| | | 48V | A | 32 |
| | | 40V 60V | A | 16 |
| | | 110V | | 3 |
| Dewer dissigntion | | 1100 | A W | 2.0 |
| Power dissipation | | | VV | 2.0 |
| Mechanical features | | | | N44 |
| Terminals screw | | | NL | M4 |
| Tightening torque for | terminais max | | Nm | 1.2 |
| | | | | |
| Conductor size | | | | |
| Conductor size | AWG - Rigid cable | | | |
| Conductor size | AWG - Rigid cable | min | AWG | 16 |
| Conductor size | AWG - Rigid cable | min Max | AWG AWG | 16 8 |
| Conductor size | AWG - Rigid cable | | | |
| Conductor size | | | | |
| Conductor size | | Max min | AWG | 8 |
| Conductor size | AWG - Flexible cable | Max | AWG AWG | 8 |
| Conductor size | | Max min Max | AWG AWG AWG | 8 16 10 |
| Conductor size | AWG - Flexible cable | Max min Max min | AWG AWG AWG mm² | 8 16 10 1.5 |
| Conductor size | AWG - Flexible cable Conductor size (IEC) - Flexible cable | Max min Max | AWG AWG AWG | 8 16 10 |
| Conductor size | AWG - Flexible cable | Max min Max min Max | AWG AWG AWG mm ² mm ² | 8 16 10 1.5 6 |
| Conductor size | AWG - Flexible cable Conductor size (IEC) - Flexible cable | Max min Max min Max min | AWG AWG AWG mm ² mm ² | 8 16 10 1.5 6 1.5 |
| | AWG - Flexible cable Conductor size (IEC) - Flexible cable | Max min Max min Max | AWG AWG AWG mm ² mm ² mm ² | 8 16 10 1.5 6 1.5 10 |
| Mechanical life | AWG - Flexible cable Conductor size (IEC) - Flexible cable | Max min Max min Max min | AWG AWG AWG mm ² mm ² | 8 16 10 1.5 6 1.5 |
| Mechanical life UL technical data | AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable | Max min Max min Max min | AWG AWG AWG mm ² mm ² mm ² | 8 16 10 1.5 6 1.5 10 |
| Mechanical life | AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable | Max min Max min Max min | AWG AWG AWG mm ² mm ² mm ² | 8 16 10 1.5 6 1.5 10 |
| Mechanical life UL technical data | AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable | Max min Max min Max min | AWG AWG AWG mm ² mm ² mm ² | 8 16 10 1.5 6 1.5 10 |
| Mechanical life UL technical data | AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable | Max min Max min Max min | AWG AWG AWG mm ² mm ² mm ² | 8 16 10 1.5 6 1.5 10 |
| Mechanical life UL technical data | AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable | Max min Max min Max min Max | AWG AWG AWG mm ² mm ² mm ² cycles | 8 16 10 1.5 6 1.5 10 5x10 ⁶ |
| Mechanical life UL technical data | AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable | Max min Max min Max Max 120V 240V | AWG AWG AWG mm ² mm ² mm ² cycles | 8 16 10 1.5 6 1.5 10 5x10 ⁶ 5 10 |
| Mechanical life UL technical data | AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable | Max min Max min Max min Max 120V 240V 480V | AWG AWG AWG mm ² mm ² mm ² cycles | 8 16 10 1.5 6 1.5 10 5x10 ⁶ 5 10 20 |
| Mechanical life UL technical data | AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable t-on-line control for three-phase motor | Max min Max min Max Max 120V 240V | AWG AWG AWG mm ² mm ² mm ² cycles | 8 16 10 1.5 6 1.5 10 5x10 ⁶ 5 10 |
| Mechanical life UL technical data | AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable | Max min Max min Max min Max 120V 240V 480V 600V | AWG AWG AWG mm ² mm ² mm ² cycles HP HP HP HP HP | 8 16 10 1.5 6 1.5 10 5x10 ⁶ 5 10 20 20 |
| Mechanical life UL technical data | AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable t-on-line control for three-phase motor | Max min Max min Max min Max 120V 240V 480V 600V | AWG AWG AWG mm ² mm ² mm ² cycles HP HP HP HP HP | 8 16 10 1.5 6 1.5 10 5x10 ⁶ 5 10 20 20 2 |
| Mechanical life UL technical data | AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable t-on-line control for three-phase motor | Max min Max min Max min Max 120V 240V 480V 600V | AWG AWG AWG mm ² mm ² mm ² cycles HP HP HP HP HP | 8 16 10 1.5 6 1.5 10 5x10 ⁶ 5 10 20 20 |

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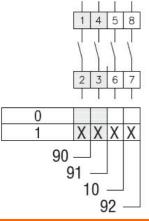
ENCLOSED ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 4 POLES 40A IN PLASTIC ENCLOSURE 110X110MM WITH RED/YELLOW HANDLE

ENERGY AND AUTOMATION

Temperature

| - | | | Opera | ting te | mpera | ature | | | | | | | | | | | |
|-----------------|-----------|----------|----------------|-----------|--------|-------|------|-----------|-------|----|----------|------|---------|----------------|----------------------|-------|------|
| | | | • | 0 | | | | | | | | | n | nin | °C | -25 | |
| | | | | | | | | | | | | | | | °Č | +55 | |
| | | | 01000 | | | | | | | | | | | ал | 0 | +33 | |
| | | | Storag | je tem | perati | ure | | | | | | | | | | | |
| | | | | | | | | | | | | | n | | °C | -40 | |
| | | | | | | | | | | | | | m | ax | °C | +70 | |
| Resistan | ce & Pr | otectior | n | | | | | | | | | | | | | | |
| Frontal IF | | | | | | | | | | | | | | | | IP65 | |
| Terminal | - | | | | | | | | | | | | | | | IP00 | |
| Dimensio | | groo | | | | | | | | | | | | | | 11 00 | |
| Dimensic | N | | | | | | | м | | | | | | | | | |
| . I | < " > | 22 | * | -R | | | 1 | | R | | | F | C1 | * | | | |
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| | YIP | | | | R | | | | | k | | | 1 | | | | |
| ė T | | ÷. | 1 | | 1 | - | | - ` | | ſ | - | ф | | - ⊕ ' | | | |
| 4 | | 4 | | | | F | | | L1 | | F | ٣ | D | Ψ | | | |
| | | | - | | > | | | 4 | | | < > | -> | | | | | |
| Series | Enclosure | Number o | f elements | | | | | Dimer | | | | | | Cable | Protection degree | | |
| | size | L | L1 | A | A1 | С | C1 | D | F | М | N | L | L1 | entry | degree | | |
| 7GN12 7GN20 | 75x75 | 1-2 | 3 - 4 3 - 4 | 75 | 75 | 50 | 64 | 4.5 | 19 | 14 | 28 | 57.5 | 79.8 | 4xPG13.5 | IP65 | | |
| 7GN20 | 1 | 1 | 2-3 | 15 | 75 | 50 | 04 | 4.0 | 19 | 14 | 20 | 57.5 | /9.0 | 485613.5 | IPOD | | |
| 7GN12 | 90x90 | 1-3 | 4-6 | | | | | | | | | | | | | | |
| 7GN20 | 00,00 | 1-3 | 4 - 6 | 1 | | | | | 2000 | | | | | | | | |
| 7GN25 | | 1-2 | 3 - 4 | 90 | 90 | 79 | 63 | 4.5 | 25 | 19 | 30 | 71.3 | 98.3 | 4xPG16 | IP65 | | |
| 7GN32 | | 1-2 | 3 - 4 | | | | | | | | | | | | | | |
| 7GN40 | | 1 | 2-3 | | | | | | | | | | | | | | |
| 7GN12 7GN20 | 110x110 | 1-4 | 5-8 5-8 | | | | | | | | | | | | | | |
| 7GN25 | | 1-4 | 4-5 | 10.025107 | 100200 | | 8233 | 100000000 | 42925 | | 13536000 | | A.00000 | | | | |
| 7GN32 | | 1-3 | 4 - 5 | 110 | 110 | 98.4 | 83 | 4.5 | 32 | 21 | 39.5 | 85.5 | 119.5 | 4xPG21 | IP65 | | |
| 7GN40 | 1 | 1-2 | 3 - 5 | 1 | | | | | | | | | | | | | |
| 7GN63 | | 1-2 | 3 - 4 | | | | | | | | | | | | | | |
| 7GN32 | 125x175 | 1-3 | 4 - 5 | | | | | | | | | | | | | | |
| 7GN40 | | 1-2 | 3-4 | 125 | 175 | 146 | 112 | 5.5 | 32 | 21 | 68 | 84.3 | 118.3 | 4xPG21 | IP65 | | |
| 7GN63 7GN125 | | 1-2 | 3-4 | | | | | | | | | | | 2xPG11 | | | |
| 7GN125 7GN32 | 180x254 | 1-5 | 6-8 | | | | | | | | - | | - | | - | • | |
| 7GN40 | 100,254 | 1-4 | 5-7 | 100 | 0.51 | 100 | 100 | | | 0- | | 101 | 4 | 4xPG29 | 1000 | | |
| 7GN63 |] | 1-3 | 4 - 6 | 180 | 254 | 120 | 190 | 5.5 | 32 | 35 | 76 | 121 | 175 | 2xPG11 | IP65 | | |
| 7GN125 | | 1-2 | 3 - 4 | | | | | | | | | | | | | | |
| Wiring di | adrame | | | | | | | | | | | | | | | | |

Wiring diagrams



Certifications and compliance Compliance

IEC/EN/BS 60947-1

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ENERGY AND AUTOMATION

| | IEC/EN/BS 60947-3 |
|---------------------|---------------------|
| | IEC/EN/BS 60947-5-1 |
| Certificates | |
| | EAC |
| ETIM classification | |

ETIM 8.0

EC001029 -Selector switch, complete

7GN4092P25