



ROTARY CAM SWITCH 7GN SERIES, STAR-DELTA MOTOR STARTER SWITCH 32A, FOR FRONT MOUNTING WITH RED/YELLOW HANDLE PADLOCKABLE IN 0 AND PROTECTION COVERS, FRONT PLATE 65X65MM

| Product designation | | | | Rotary cam |
|--|------------------------------------|----------------------|----------|--|
| _ | | | | switches |
| Product type designat | | | | 7GN32 |
| General characteristic Switching diagram | s | | | 12 - Star-delta motor starter |
| N° of elements | | | | switch 4 |
| N of elements | | | | U65 - Front |
| Mounting form | | | | mounting with red/yellow handle padlockable in 0 and protection covers |
| Contact characteristic | | | | |
| Rated insulation voltage | | IEC/EN UL/CSA | V V | 690 600 |
| Rated impulse withsta | | | kV | 6 |
| Conventional free air t | nermai current ith | IEC/EN UL/CSA | A A | 32 40 |
| Rated operational volt | age | | V | 480 |
| Rated operational imp | oulse voltage | | kV | 4 |
| Maximum fuse size fo | r short-circuit protection In (gG) | | | |
| | | 10kA | A | 32 |
| | | 15kA | A | 32 |
| | | 25kA 50kA | A A | 32 32 |
| Rated short time curre | ent Icw | JUKA | <u> </u> | 32 |
| rated short time our | THE TOWN | 1s | Α | 800 |
| Conductivity | | | | 10/5 mA/V |
| Operational current le | IEC/EN | | | _ |
| | AC1/AC21A | | | |
| | | | Α | 32 |
| | AC15 | | | |
| | | 110V | A | 25 |
| | | 220/230V | A | 20 |
| | | 380/400V 660/690V | A A | 10 2 |
| Rated operational pov | ver in AC | 000/030 V | | |
| rated operational pov | Three-phase AC-3 | | | |
| | | 220/230V | kW | 7.5 |
| | | 380/440V | kW | 11 |
| | | 500/690V | kW | 11 |
| | Single-phase AC-3 | | | |
| | | 110V | kW | 2.2 |
| | | 220/230V | kW | 4 |
| | Three phase AC22A | 380/440V | kW | 6.5 |
| | Three-phase AC23A | 220/230V | kW | 8 |
| | | 220/230V 380/440V | kW | 15 |
| | | 500/690V | kW | 18.5 |
| | Single-phase AC23A | 230,000 | | |
| | <u> </u> | | | |





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| | | 110V | kW | 2.2 |
|---|--|--|--|--|
| | | 220/230V | kW | 4 |
| | | 380/440V | kW | 7.5 |
| Rated operational cur | rent in DC | 000/1101 | 1000 | 7.0 |
| Nateu operational cui | | | | |
| | DC21A | | | |
| | | 48V | Α | 32 |
| | | 60V | Α | 32 |
| | | 110V | Α | 6 |
| | | 220V | Α | 0.9 |
| | DC23A (poles in series) | | | |
| | DOZOA (poles ili selles) | 241/ | ۸ | 22 (4) |
| | | 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 | A | 25 |
| | | 60V | Α | 16 |
| | | 110V | Α | 3 |
| | | 220V | Α | 0.5 |
| Power dissipation | | | W | 1.5 |
| Mechanical features | | | | |
| Terminals screw | | | | M4 |
| | ta marina da maran | | Nima | |
| Tightening torque for t | terminais max | | Nm | 1.2 |
| Conductor size | | | | |
| | AWG - Rigid cable | | | |
| | | | 41440 | 4.0 |
| | | min | AWG | 16 |
| | | | | |
| | AWG - Flovible cable | min Max | AWG | 8 |
| | AWG - Flexible cable | Max | AWG | 8 |
| | AWG - Flexible cable | Max min | AWG | 16 |
| | | Max | AWG | 8 |
| | AWG - Flexible cable Conductor size (IEC) - Flexible cable | Max min | AWG | 16 |
| | | Max min | AWG | 16 |
| | | Max min Max | AWG AWG | 16 10 |
| | Conductor size (IEC) - Flexible cable | Max min Max min | AWG AWG AWG | 16 10 1.5 |
| | | Max min Max min Max | AWG AWG AWG mm² mm² | 16 10 1.5 4 |
| | Conductor size (IEC) - Flexible cable | Max min Max min Max | AWG AWG AWG mm² mm² | 16 10 1.5 4 |
| Machaelad | Conductor size (IEC) - Flexible cable | Max min Max min Max | AWG AWG AWG mm² mm² mm² mm² | 16 10 1.5 4 1.5 6 |
| Mechanical life | Conductor size (IEC) - Flexible cable | Max min Max min Max | AWG AWG AWG mm² mm² | 16 10 1.5 4 |
| UL technical data | Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable | Max min Max min Max | AWG AWG AWG mm² mm² mm² mm² | 16 10 1.5 4 1.5 6 |
| | Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable | Max min Max min Max | AWG AWG AWG mm² mm² mm² mm² | 16 10 1.5 4 1.5 6 |
| UL technical data | Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable t-on-line control | Max min Max min Max | AWG AWG AWG mm² mm² mm² mm² | 16 10 1.5 4 1.5 6 |
| UL technical data | Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable | Max min Max min Max min Max | AWG AWG AWG mm² mm² cycles | 16 10 1.5 4 1.5 6 5x10 ⁶ |
| UL technical data | Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable t-on-line control | Max min Max min Max min Max | AWG AWG AWG mm² mm² cycles | 8 16 10 1.5 4 1.5 6 5x10 ⁶ |
| UL technical data | Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable t-on-line control | Max min Max min Max min Max 120V 240V | AWG AWG AWG mm² mm² cycles | 16 10 1.5 4 1.5 6 5x10 ⁶ |
| UL technical data | Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable t-on-line control | Max min Max min Max min Max 120V 240V 480V | AWG AWG AWG mm² mm² cycles HP HP | 16 10 1.5 4 1.5 6 5x10 ⁶ |
| UL technical data | 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 | AWG AWG AWG mm² mm² cycles | 16 10 1.5 4 1.5 6 5x10 ⁶ |
| UL technical data | Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable t-on-line control | Max min Max min Max min Max 120V 240V 480V 600V | AWG AWG AWG mm² mm² cycles HP HP | 16 10 1.5 4 1.5 6 5x10 ⁶ |
| UL technical data | 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 | AWG AWG AWG mm² mm² cycles HP HP | 16 10 1.5 4 1.5 6 5x10 ⁶ |
| UL technical data | 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 mm² mm² cycles HP HP HP | 16 10 1.5 4 1.5 6 5x10 ⁶ 5 10 15 15 |
| UL technical data Motor power for direct | 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 mm² mm² cycles HP HP HP HP | 16 10 1.5 4 1.5 6 5x10 ⁶ 5 10 15 |
| UL technical data Motor power for direct | 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 mm² mm² cycles HP HP HP HP | 16 10 1.5 4 1.5 6 5x10 ⁶ 5 10 15 15 |
| UL technical data Motor power for direct | Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable t-on-line control for three-phase motor for single-phase motor | Max min Max min Max min Max 120V 240V 480V 600V | AWG AWG AWG mm² mm² cycles HP HP HP HP | 16 10 1.5 4 1.5 6 5x10 ⁶ 5 10 15 15 |
| UL technical data Motor power for direct | 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 120V 240V | AWG AWG AWG mm² mm² mm² cycles HP HP HP HP | 16 10 1.5 4 1.5 6 5x10 ⁶ 5 10 15 15 |
| UL technical data Motor power for direct | Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable t-on-line control for three-phase motor for single-phase motor | Max min Max min Max min Max 120V 240V 480V 600V | AWG AWG AWG mm² mm² mm² cycles HP HP HP HP HP HP | 16 10 1.5 4 1.5 6 5x10 ⁶ 5 10 15 15 2 5 |
| UL technical data Motor power for direct | Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable t-on-line control for three-phase motor for single-phase motor | Max min Max min Max min Max 120V 240V 480V 600V 120V 240V | AWG AWG AWG mm² mm² mm² cycles HP HP HP HP | 16 10 1.5 4 1.5 6 5x10 ⁶ 5 10 15 15 |



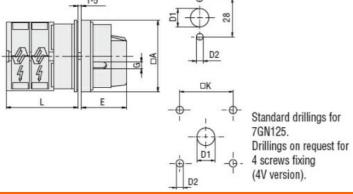


Resistance & Protection
Frontal IP degree
Terminals IP degree

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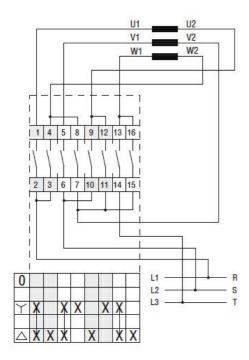
| Storage temperature | | | | |
|---------------------|-----|----|------|--|
| | min | °C | -40 | |
| | max | °C | +70 | |
| on | | | | |
| | | | IP40 | |
| | | | IP00 | |

Dimensions



| Series | | Dimensions | | | | | L | | | |
|--------|----|------------|----|------|---|----|------|------|-------|-------|
| 261162 | □A | D1 | D2 | Е | G | □K | 1 | 2 | 3 | 12 |
| 7GN12 | 65 | 12 | 5 | 34.2 | 5 | 36 | 36.1 | 45.8 | 55.5 | 142.8 |
| 7GN20 | 65 | 12 | 5 | 34.2 | 5 | 36 | 36.1 | 45.8 | 55.5 | 142.8 |
| 7GN25 | 65 | 12 | 5 | 34.2 | 5 | 36 | 40.5 | 54.1 | 67.7 | 190.1 |
| 7GN32 | 65 | 14 | 5 | 38 | 6 | 48 | 46.5 | 61.6 | 76.7 | 212.6 |
| 7GN40 | 65 | 14 | 5 | 38 | 6 | 48 | 46.5 | 61.6 | 76.7 | 212.6 |
| 7GN63 | 65 | 14 | 5 | 38 | 6 | 48 | 50.3 | 68.4 | 86.5 | 249.4 |
| 7GN125 | 90 | 16 | 6 | 49 | 7 | 68 | 67.3 | 96.4 | 125.5 | 394.9 |

Wiring diagrams



Certifications and compliance

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|--------|-------|-----|
| Com | nııar | าดค |
| | | |

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

cCSAus

EAC

UL

ETIM classification



7GN3212U65

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ETIM 8.0

EC001029 -Selector switch, complete