

**General characteristics**

|                   |  |
|-------------------|--|
| Switching diagram | 53 - Changeover switch 3 poles - 2 speed motor starting with separate windings     |
| N° of elements    | 3  |
| Mounting form     | U65 - Front mounting with red/yellow handle padlockable in 0 and protection covers |

**Contact characteristics**

|   |                    |          |           |      |
|---|--------------------|----------|-----------|------|
| Rated insulation voltage $U_i$                            | IEC/EN             | V        | 690       |      |
|   | UL/CSA             | V        | 600       |      |
| Rated impulse withstand voltage $U_{imp}$                 |                    | kV       | 6         |      |
| Conventional free air thermal current $I_{th}$            | IEC/EN             | A        | 32        |      |
|   | UL/CSA             | A        | 40        |      |
| Rated operational voltage                                 |                    | V        | 480       |      |
| Rated operational impulse voltage                         |                    | kV       | 4         |      |
| Maximum fuse size for short-circuit protection $I_n$ (gG) | 10kA               | A        | 32        |      |
|   | 15kA               | A        | 32        |      |
|   | 25kA               | A        | 32        |      |
|   | 50kA               | A        | 32        |      |
| Rated short time current $I_{cw}$                         | 1s                 | kA       | 800       |      |
|   |                    |          | 10/5 mA/V |      |
| Conductivity  |                    |          | 10/5 mA/V |      |
| Operational current $I_e$ IEC/EN                          | AC1/AC21A          |          |           |      |
|   |                    | A        | 32        |      |
| AC15  | 110V               | A        | 25        |      |
|   | 220/230V           | A        | 20        |      |
|   | 380/400V           | A        | 10        |      |
|   | 660/690V           | A        | 2         |      |
|   |                    |          |           |      |
| Rated operational power in AC                             | 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    |
|   |                    | 380/440V | kW        | 6.5  |
|   | Three-phase AC23A  | 220/230V | kW        | 8    |
|   |                    | 380/440V | kW        | 15   |
|   |                    | 500/690V | kW        | 18.5 |
|   | Single-phase AC23A |          |           |      |

ROTARY CAM SWITCH 7GN SERIES, CHANGEOVER SWITCH 3 POLES - 2 SPEED MOTOR STARTING WITH SEPARATE WINDINGS 32A, FOR FRONT MOUNTING WITH RED/YELLOW HANDLE PADLOCKABLE IN 0 AND PROTECTION COVERS, FRONT PLATE: 65X65

|  |          |                 |                   |
|--|----------|-----------------|-------------------|
|  | 110V     | kW              | 2.2               |
|  | 220/230V | kW              | 4                 |
|  | 380/440V | kW              | 7.5               |
| <hr/>                                  |          |                 |                   |
| Rated operational current in DC        |          |                 |                   |
| DC21A                                  |          |                 |                   |
|  | 48V      | A               | 32                |
|  | 60V      | A               | 32                |
|  | 110V     | A               | 6                 |
|  | 220V     | A               | 0.9               |
| <hr/>                                  |          |                 |                   |
| DC23A (poles in series)                |          |                 |                   |
|  | 24V      | A               | 32 (1)            |
|  | 48V      | A               | 32 (2)            |
|  | 60V      | A               | 32 (3)            |
|  | 110V     | A               | 15 (3)            |
|  | 220V     | A               | 12 (4)            |
| <hr/>                                  |          |                 |                   |
| DC13                                   |          |                 |                   |
|  | 24V      | A               | 32                |
|  | 48V      | A               | 25                |
|  | 60V      | A               | 16                |
|  | 110V     | A               | 3                 |
|  | 220V     | A               | 0.5               |
| <hr/>                                  |          |                 |                   |
| Power dissipation                      |          | W               | 1.5               |
| <hr/>                                  |          |                 |                   |
| <b>Mechanical features</b>             |          |                 |                   |
| Terminals screw                        |          |                 | M4                |
| Tightening torque for terminals max    |          | Nm              | 1.2               |
| <hr/>                                  |          |                 |                   |
| Conductor size                         |          |                 |                   |
| AWG - Rigid cable                      |          |                 |                   |
|  | min      | AWG             | 16                |
|  | Max      | AWG             | 8                 |
| <hr/>                                  |          |                 |                   |
| AWG - Flexible cable                   |          |                 |                   |
|  | min      | AWG             | 16                |
|  | Max      | AWG             | 10                |
| <hr/>                                  |          |                 |                   |
| Conductor size (IEC) - Flexible cable  |          |                 |                   |
|  | min      | mm <sup>2</sup> | 1.5               |
|  | Max      | mm <sup>2</sup> | 4                 |
| <hr/>                                  |          |                 |                   |
| Conductor size (IEC) - Rigid cable     |          |                 |                   |
|  | min      | mm <sup>2</sup> | 1.5               |
|  | Max      | mm <sup>2</sup> | 6                 |
| <hr/>                                  |          |                 |                   |
| Mechanical life                        |          | cycles          | 5x10 <sup>6</sup> |
| <hr/>                                  |          |                 |                   |
| <b>UL technical data</b>               |          |                 |                   |
| Motor power for direct-on-line control |          |                 |                   |
| for three-phase motor                  |          |                 |                   |
|  | 120V     | HP              | 5                 |
|  | 240V     | HP              | 10                |
|  | 480V     | HP              | 15                |
|  | 600V     | HP              | 15                |
| <hr/>                                  |          |                 |                   |
| for single-phase motor                 |          |                 |                   |
|  | 120V     | HP              | 2                 |
|  | 240V     | HP              | 5                 |
| <hr/>                                  |          |                 |                   |
| <b>Ambient conditions</b>              |          |                 |                   |
| Temperature                            |          |                 |                   |
| Operating temperature                  |          |                 |                   |
|  | min      | °C              | -25               |
|  | max      | °C              | +55               |

ROTARY CAM SWITCH 7GN SERIES, CHANGEOVER SWITCH 3 POLES - 2 SPEED MOTOR STARTING WITH SEPARATE WINDINGS 32A, FOR FRONT MOUNTING WITH RED/YELLOW HANDLE PADLOCKABLE IN 0 AND PROTECTION COVERS, FRONT PLATE: 65X65

Storage temperature

|     |    |     |
|-----|----|-----|
| min | °C | -40 |
| max | °C | +70 |

**Resistance & Protection**

Frontal IP degree IP40

Terminals IP degree IP00

**ETIM classification**

ETIM 8.0

EC001029 -  
Selector switch,  
complete