



Product designation

Product type designation

General characteristics

Switching diagram

N° of elements

Mounting form

Enclosed rotary  
cam switch  
7GN63

03 - ON/OFF  
spring return  
switch 3 poles

P - Plastic  
enclosure with  
black handle

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 | 63 |
| UL/CSA | A | 60 |

Rated operational voltage

|   |     |
|---|-----|
| V | 480 |
|---|-----|

Rated operational impulse voltage

|    |   |
|----|---|
| kV | 4 |
|----|---|

Maximum fuse size for short-circuit protection  $I_n$  (gG)

|      |   |    |
|------|---|----|
| 10kA | A | 63 |
| 15kA | A | 63 |
| 25kA | A | 63 |
| 50kA | A | 63 |
| 63kA | A | 63 |

Rated short time current  $I_{cw}$

|    |    |      |
|----|----|------|
| 1s | kA | 1600 |
|----|----|------|

Conductivity

|           |
|-----------|
| 10/5 mA/V |
|-----------|

Operational current  $I_e$  IEC/EN

AC1/AC21A

|   |    |
|---|----|
| A | 63 |
|---|----|

AC15

|          |   |    |
|----------|---|----|
| 110V     | A | 32 |
| 220/230V | A | 25 |
| 380/400V | A | 15 |
| 660/690V | A | 4  |

Rated operational power in AC

Three-phase AC-3

|          |    |      |
|----------|----|------|
| 220/230V | kW | 11   |
| 380/440V | kW | 18.5 |
| 500/690V | kW | 18.5 |

Single-phase AC-3

|          |    |     |
|----------|----|-----|
| 110V     | kW | 3.7 |
| 220/230V | kW | 6.5 |

ENCLOSED ROTARY CAM SWITCH 7GN SERIES, ON-OFF SPRING RETURN SWITCH 3  
POLES 63A IN PLASTIC ENCLOSURE 125X175MM WITH BLACK HANDLE

|                                        |  |          |                 |                   |
|----------------------------------------|--|----------|-----------------|-------------------|
|                                        |  | 380/440V | kW              | 11.5              |
| Three-phase AC23A                      |  | 220/230V | kW              | 12.5              |
|                                        |  | 380/440V | kW              | 30                |
|                                        |  | 500/690V | kW              | 30                |
| Single-phase AC23A                     |  | 110V     | kW              | 3.7               |
|                                        |  | 220/230V | kW              | 7.5               |
|                                        |  | 380/440V | kW              | 12.5              |
| Rated operational current in DC        |  |          |                 |                   |
| DC21A                                  |  | 48V      | A               | 63                |
|                                        |  | 60V      | A               | 50                |
|                                        |  | 110V     | A               | 8                 |
|                                        |  | 220V     | A               | 1                 |
| DC23A (poles in series)                |  | 24V      | A               | 50 (1)            |
|                                        |  | 48V      | A               | 50 (2)            |
|                                        |  | 60V      | A               | 50 (3)            |
|                                        |  | 110V     | A               | 25 (3)            |
|                                        |  | 220V     | A               | 15 (4)            |
| DC13                                   |  | 24V      | A               | 63                |
|                                        |  | 48V      | A               | 40                |
|                                        |  | 60V      | A               | 28                |
|                                        |  | 110V     | A               | 3.3               |
| Power dissipation                      |  |          | W               | 3.4               |
| Mechanical features                    |  |          |                 |                   |
| Terminals screw                        |  |          |                 | M5                |
| Tightening torque for terminals max    |  |          | Nm              | 2                 |
| Conductor size                         |  |          |                 |                   |
| AWG - Rigid cable                      |  | min      | AWG             | 14                |
|                                        |  | Max      | AWG             | 6                 |
| AWG - Flexible cable                   |  | min      | AWG             | 14                |
|                                        |  | Max      | AWG             | 8                 |
| Conductor size (IEC) - Flexible cable  |  | min      | mm <sup>2</sup> | 2.5               |
|                                        |  | Max      | mm <sup>2</sup> | 10                |
| Conductor size (IEC) - Rigid cable     |  | min      | mm <sup>2</sup> | 2.5               |
|                                        |  | Max      | mm <sup>2</sup> | 16                |
| Mechanical life                        |  |          | cycles          | 5x10 <sup>6</sup> |
| UL technical data                      |  |          |                 |                   |
| Motor power for direct-on-line control |  |          |                 |                   |
| for three-phase motor                  |  | 120V     | HP              | 7.5               |
|                                        |  | 240V     | HP              | 15                |
|                                        |  | 480V     | HP              | 25                |
|                                        |  | 600V     | HP              | 25                |
| for single-phase motor                 |  | 120V     | HP              | 3                 |
|                                        |  | 240V     | HP              | 10                |

## Ambient conditions

### Temperature

#### Operating temperature

|     |    |     |
|-----|----|-----|
| min | °C | -25 |
| max | °C | +55 |

#### Storage temperature

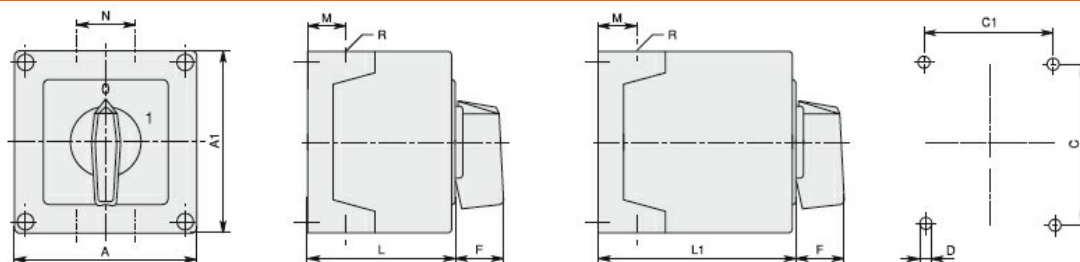
|     |    |     |
|-----|----|-----|
| min | °C | -40 |
| max | °C | +70 |

## Resistance & Protection

Frontal IP degree IP65

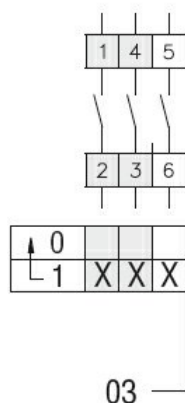
Terminals IP degree IP00

## Dimensions



| Series | Enclosure size | Number of elements |       | Dimensions |     |      |     |     |    |    |      |      |       | Cable entry      | Protection degree |
|--------|----------------|--------------------|-------|------------|-----|------|-----|-----|----|----|------|------|-------|------------------|-------------------|
|        |                | L                  | L1    | A          | A1  | C    | C1  | D   | F  | M  | N    | L    | L1    |                  |                   |
| 7GN12  | 75x75          | 1 - 2              | 3 - 4 | 75         | 75  | 50   | 64  | 4.5 | 19 | 14 | 28   | 57.5 | 79.8  | 4xPG13.5         | IP65              |
| 7GN20  |                | 1 - 2              | 3 - 4 |            |     |      |     |     |    |    |      |      |       |                  |                   |
| 7GN25  |                | 1                  | 2 - 3 |            |     |      |     |     |    |    |      |      |       |                  |                   |
| 7GN12  | 90x90          | 1 - 3              | 4 - 6 | 90         | 90  | 79   | 63  | 4.5 | 25 | 19 | 30   | 71.3 | 98.3  | 4xPG16           | IP65              |
| 7GN20  |                | 1 - 3              | 4 - 6 |            |     |      |     |     |    |    |      |      |       |                  |                   |
| 7GN25  |                | 1 - 2              | 3 - 4 |            |     |      |     |     |    |    |      |      |       |                  |                   |
| 7GN32  |                | 1 - 2              | 3 - 4 |            |     |      |     |     |    |    |      |      |       |                  |                   |
| 7GN40  |                | 1                  | 2 - 3 |            |     |      |     |     |    |    |      |      |       |                  |                   |
| 7GN12  | 110x110        | 1 - 4              | 5 - 8 | 110        | 110 | 98.4 | 83  | 4.5 | 32 | 21 | 39.5 | 85.5 | 119.5 | 4xPG21           | IP65              |
| 7GN20  |                | 1 - 4              | 5 - 8 |            |     |      |     |     |    |    |      |      |       |                  |                   |
| 7GN25  |                | 1 - 3              | 4 - 5 |            |     |      |     |     |    |    |      |      |       |                  |                   |
| 7GN32  |                | 1 - 3              | 4 - 5 |            |     |      |     |     |    |    |      |      |       |                  |                   |
| 7GN40  |                | 1 - 2              | 3 - 5 |            |     |      |     |     |    |    |      |      |       |                  |                   |
| 7GN63  |                | 1 - 2              | 3 - 4 |            |     |      |     |     |    |    |      |      |       |                  |                   |
| 7GN32  | 125x175        | 1 - 3              | 4 - 5 | 125        | 175 | 146  | 112 | 5.5 | 32 | 21 | 68   | 84.3 | 118.3 | 4xPG21<br>2xPG11 | IP65              |
| 7GN40  |                | 1 - 2              | 3 - 4 |            |     |      |     |     |    |    |      |      |       |                  |                   |
| 7GN63  |                | 1 - 2              | 3 - 4 |            |     |      |     |     |    |    |      |      |       |                  |                   |
| 7GN125 |                | 1                  | 2     |            |     |      |     |     |    |    |      |      |       |                  |                   |
| 7GN32  | 180x254        | 1 - 5              | 6 - 8 | 180        | 254 | 120  | 190 | 5.5 | 32 | 35 | 76   | 121  | 175   | 4xPG29<br>2xPG11 | IP65              |
| 7GN40  |                | 1 - 4              | 5 - 7 |            |     |      |     |     |    |    |      |      |       |                  |                   |
| 7GN63  |                | 1 - 3              | 4 - 6 |            |     |      |     |     |    |    |      |      |       |                  |                   |
| 7GN125 |                | 1 - 2              | 3 - 4 |            |     |      |     |     |    |    |      |      |       |                  |                   |

## Wiring diagrams



## Certifications and compliance

### Compliance

ENCLOSED ROTARY CAM SWITCH 7GN SERIES, ON-OFF SPRING RETURN SWITCH 3  
POLES 63A IN PLASTIC ENCLOSURE 125X175MM WITH BLACK HANDLE

|                     |  |
|---------------------|--|
| 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