

|                                                        |                                         |    |      |
|--------------------------------------------------------|-----------------------------------------|----|------|
| Product designation                                    | Enclosed rotary cam switch              |    |      |
| Product type designation                               | GX20                                    |    |      |
| General characteristics                                |                                         |    |      |
| Switching diagram                                      | 54 - Changeover switch without 0 1 pole |    |      |
| N° of elements                                         | 1                                       |    |      |
| 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                                  | A  | 20   |
|                                                        | UL/CSA                                  | A  | 15   |
| Rated operational voltage                              |                                         | V  | 440  |
| Rated operational impulse voltage                      |                                         | kV | 4    |
| Maximum fuse size for short-circuit protection In (gG) | 10kA                                    | A  | 20   |
|                                                        | 15kA                                    | A  | 20   |
|                                                        | 25kA                                    | A  | 20   |
| Rated short time current Icw                           | 1s                                      | kA | 250  |
| Conductivity                                           | 10/5 mA/V                               |    |      |
| Operational current Ie IEC/EN                          |                                         |    |      |
| AC1/AC21A                                              |                                         | A  | 20   |
| AC15                                                   | 110V                                    | A  | 10   |
|                                                        | 220/230V                                | A  | 8    |
|                                                        | 380/400V                                | A  | 6    |
|                                                        | 660/690V                                | A  | 1.5  |
| Rated operational power in AC                          |                                         |    |      |
| Three-phase AC-3                                       | 220/230V                                | kW | 3.7  |
|                                                        | 380/440V                                | kW | 5.5  |
|                                                        | 500/690V                                | kW | 5.5  |
| Single-phase AC-3                                      | 110V                                    | kW | 0.75 |
|                                                        | 220/230V                                | kW | 1.8  |
|                                                        | 380/440V                                | kW | 3    |
| Three-phase AC23A                                      | 220/230V                                | kW | 4    |
|                                                        | 380/440V                                | kW | 7.5  |
|                                                        | 500/690V                                | kW | 7.5  |
| Single-phase AC23A                                     | 110V                                    | kW | 0.75 |
|                                                        | 220/230V                                | kW | 2.2  |
|                                                        | 380/440V                                | kW | 3.5  |

Rated operational current in DC

DC21A

|      |   |      |
|------|---|------|
| 48V  | A | 20   |
| 60V  | A | 20   |
| 110V | A | 4    |
| 220V | A | 0.6  |
| 440V | A | 0.25 |

DC23A (poles in series)

|      |   |        |
|------|---|--------|
| 24V  | A | 20 (1) |
| 48V  | A | 20 (2) |
| 60V  | A | 20 (3) |
| 110V | A | 10 (3) |
| 220V | A | 8 (4)  |

DC13

|      |   |      |
|------|---|------|
| 24V  | A | 20   |
| 48V  | A | 16   |
| 60V  | A | 12   |
| 110V | A | 1    |
| 220V | A | 0.4  |
| 440V | A | 0.15 |

Power dissipation

W 0.6

### Mechanical features

Terminals screw

M3

Tightening torque for terminals max

Nm 0.8

Conductor size

AWG - Rigid cable

|     |     |    |
|-----|-----|----|
| min | AWG | 20 |
| Max | AWG | 12 |

AWG - Flexible cable

|     |     |    |
|-----|-----|----|
| min | AWG | 20 |
| Max | AWG | 12 |

Conductor size (IEC) - Flexible cable

|     |                 |     |
|-----|-----------------|-----|
| min | mm <sup>2</sup> | 0.5 |
| Max | mm <sup>2</sup> | 2.5 |

Conductor size (IEC) - Rigid cable

|     |                 |     |
|-----|-----------------|-----|
| min | mm <sup>2</sup> | 0.5 |
| Max | mm <sup>2</sup> | 2.5 |

Mechanical life

cycles 1X10<sup>6</sup>

### UL technical data

Motor power for direct-on-line control

for three-phase motor

|      |    |     |
|------|----|-----|
| 120V | HP | 1.5 |
| 240V | HP | 3   |
| 480V | HP | 5   |
| 600V | HP | 5   |

for single-phase motor

|      |    |      |
|------|----|------|
| 120V | HP | 0.75 |
| 240V | HP | 1.5  |

### Ambient conditions

Temperature

Operating temperature

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

Storage temperature

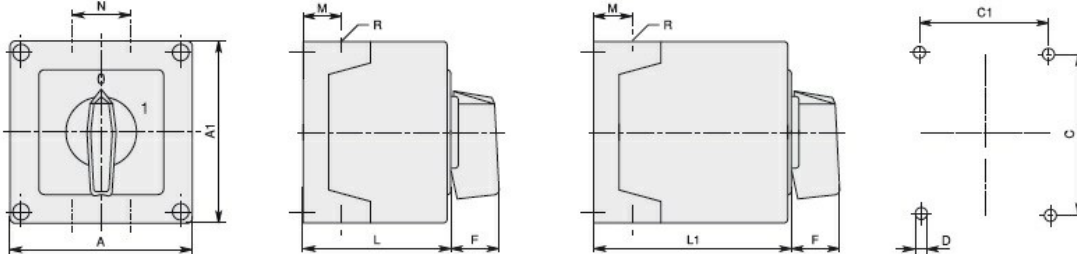
min °C -40  
max °C +70

### Resistance & Protection

Frontal IP degree IP65

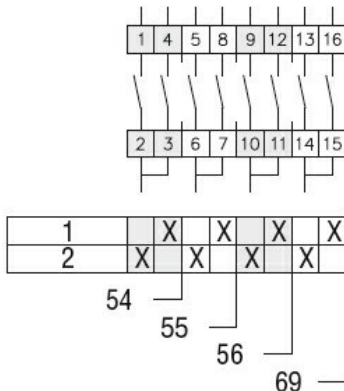
Terminals IP degree IP20

### Dimensions



|      |         |       |       |     |     |      |    |     |    |    |      |      |       |        |      |
|------|---------|-------|-------|-----|-----|------|----|-----|----|----|------|------|-------|--------|------|
| GX16 | 90x90   | 1 - 2 | 3 - 5 | 90  | 90  | 79   | 79 | 4.5 | 25 | 19 | 30   | 71.3 | 98.3  | 4xPG16 | IP65 |
| GX20 |         | 1 - 2 | 3 - 5 |     |     |      |    |     |    |    |      |      |       |        |      |
| GX16 | 110x110 | 1 - 3 | 4 - 7 |     |     |      |    |     |    |    |      |      |       |        |      |
| GX20 |         | 1 - 3 | 4 - 7 |     |     |      |    |     |    |    |      |      |       |        |      |
| GX32 |         | 1 - 2 | 3 - 4 | 110 | 110 | 98.4 | 83 | 4.5 | 32 | 21 | 39.5 | 85.5 | 119.5 | 4xPG21 | IP65 |
| GX40 |         | 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  
IEC/EN/BS 61058-1

#### Certificates

EAC

### ETIM classification

ETIM 8.0

EC001029 -  
Selector switch,  
complete