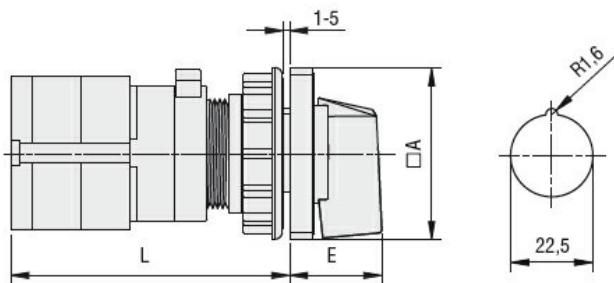


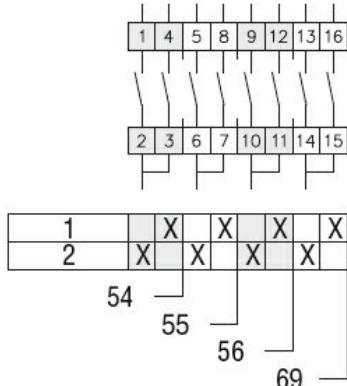
|   |  |    |      |
|---|--|----|------|
| Product designation                                       | Rotary cam switches  |    |      |
| Product type designation                                  | GF10   |    |      |
| <b>General characteristics</b>                            |  |    |      |
| Switching diagram   | 56 - Changeover switch without 0 3 poles                                   |    |      |
| N° of elements  | 3  |    |      |
| Mounting form   | U47 - Snap on front mounting with black handle for hole diam. 22mm finxing |    |      |
| <b>Contact characteristics</b>                            |  |    |      |
| Rated insulation voltage $U_i$                            | IEC/EN   | V  | 480  |
|   | UL/CSA   | V  | 240  |
| Rated impulse withstand voltage $U_{imp}$                 |  | kV | 4    |
| Conventional free air thermal current $I_{th}$            | IEC/EN   | A  | 10   |
|   | UL/CSA   | A  | 10   |
| Rated operational voltage                                 |  | V  | 480  |
| Rated operational impulse voltage                         |  | kV | 4    |
| Maximum fuse size for short-circuit protection $I_n$ (gG) | 10kA   | A  | 16   |
| Rated short time current $I_{cw}$                         | 1s   | kA | 250  |
| Conductivity  | 10/5 mA/V  |    |      |
| Operational current $I_e$ IEC/EN                          |  |    |      |
| AC1/AC21A   |  | A  | 10   |
| AC15  | 110V   | A  | 5    |
|   | 220/230V   | A  | 3    |
|   | 380/400V   | A  | 2    |
| Rated operational power in AC                             |  |    |      |
| Three-phase AC-3  | 220/230V   | kW | 1.5  |
|   | 380/440V   | kW | 2.2  |
| Single-phase AC-3   | 110V   | kW | 0.3  |
|   | 220/230V   | kW | 0.55 |
|   | 380/440V   | kW | 0.75 |
| Three-phase AC23A   | 220/230V   | kW | 1.8  |
|   | 380/440V   | kW | 3    |
| Single-phase AC23A  | 110V   | kW | 0.7  |
|   | 220/230V   | kW | 0.75 |
|   | 380/440V   | kW | 1.1  |
| Rated operational current in DC                           |  |    |      |
| DC21A   | 48V  | A  | 10   |

|  |      |        |                     |
|--|------|--------|---------------------|
|  | 60V  | A      | 7                   |
|  | 110V | A      | 2                   |
|  | 220V | A      | 0.7                 |
|  | 440V | A      | 0.2                 |
| DC13                                   |      |        |                     |
|  | 24V  | A      | 3                   |
|  | 48V  | A      | 3                   |
|  | 60V  | A      | 2                   |
|  | 110V | A      | 1                   |
|  | 220V | A      | 0.3                 |
|  | 440V | A      | 0.1                 |
| Power dissipation                      |      | W      | 0.4                 |
| <b>Mechanical features</b>             |      |        |                     |
| Terminals screw                        |      |        | 2.5M                |
| Tightening torque for terminals max    |      | Nm     | 0.4                 |
| Conductor size                         |      |        |                     |
| AWG - Rigid cable                      |      | min    | AWG 20              |
|  |      | Max    | AWG 14              |
| AWG - Flexible cable                   |      | min    | AWG 20              |
|  |      | Max    | AWG 14              |
| Conductor size (IEC) - Flexible cable  |      | min    | mm <sup>2</sup> 0.5 |
|  |      | Max    | mm <sup>2</sup> 1.5 |
| Conductor size (IEC) - Rigid cable     |      | min    | mm <sup>2</sup> 0.5 |
|  |      | Max    | mm <sup>2</sup> 1.5 |
| Mechanical life                        |      | cycles | 1x10 <sup>6</sup>   |
| <b>UL technical data</b>               |      |        |                     |
| Motor power for direct-on-line control |      |        |                     |
| for three-phase motor                  | 240V | HP     | 2                   |
| for single-phase motor                 | 240V | HP     | 0.75                |
| <b>Ambient conditions</b>              |      |        |                     |
| Temperature                            |      |        |                     |
| Operating temperature                  |      | min    | °C -25              |
|  |      | max    | °C +55              |
| Storage temperature                    |      | min    | °C -40              |
|  |      | max    | °C +70              |
| <b>Resistance &amp; Protection</b>     |      |        |                     |
| Frontal IP degree                      |      |        | IP40                |
| Terminals IP degree                    |      |        | IP20                |
| <b>Dimensions</b>                      |      |        |                     |



| Series | Dimensions |      | L  |      |        |       |
|--------|------------|------|----|------|--------|-------|
|        | □A         | E    | 1  | 2    | 3....8 |       |
| GF10   | 30         | 18.5 | 60 | 72   | 84     | 144   |
| GF20   | 48         | 26.5 | 56 | 69.5 | 83     | 150.5 |

#### Wiring diagrams



#### Certifications and compliance

##### Compliance

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

cULus

EAC

#### ETIM classification

##### ETIM 8.0

EC001029 -  
Selector switch,  
complete