



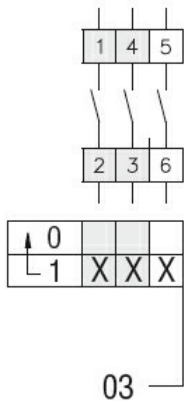
|   |                   |    |          |   |
|---|-------------------|----|----------|---|
| Product designation                                       |                   |    |          | Rotary cam switches   |
| Product type designation                                  |                   |    |          | GF10  |
| <b>General characteristics</b>                            |                   |    |          |   |
| Switching diagram   |                   |    |          | 03 - ON/OFF spring return switch 3 poles                                  |
| N° of elements  |                   |    |          | 2   |
| Mounting form   |                   |    |          | U47 - Snap on front mounting with black handle for hole diam. 22mm fixing |
| <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       |   |
|   |                   | 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