

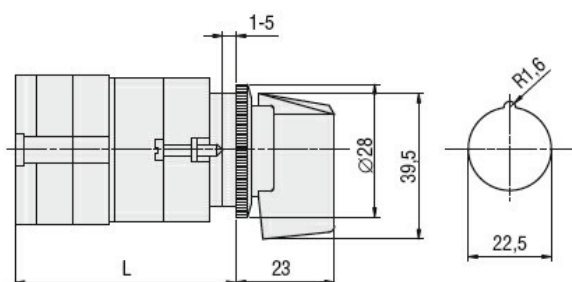
### General characteristics

|                   |                                                                                       |
|-------------------|---------------------------------------------------------------------------------------|
| Switching diagram | 07 - ON/OFF switch 3 poles                                                            |
| N° of elements    | 2                                                                                     |
| Mounting form     | U11 - Front mounting with black handle without front plate for hole diam. 22mm fixing |

### Contact characteristics

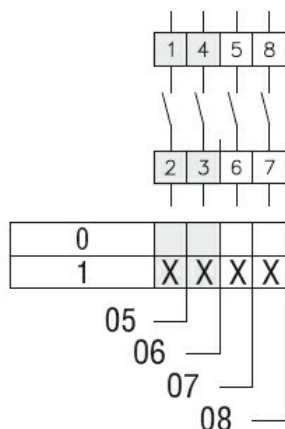
|                                                           |          |    |           |
|-----------------------------------------------------------|----------|----|-----------|
| Rated insulation voltage $U_i$                            |          |    |           |
|                                                           | 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  | 20        |
|                                                           | UL/CSA   | A  | 15        |
| Rated operational voltage                                 |          | V  | 480       |
| Rated operational impulse voltage                         |          | kV | 4         |
| Maximum fuse size for short-circuit protection $I_n$ (gG) |          |    |           |
|                                                           | 10kA     | A  | 20        |
|                                                           | 15kA     | A  | 20        |
|                                                           | 25kA     | A  | 20        |
| Rated short time current $I_{cw}$                         |          |    |           |
|                                                           | 1s       | kA | 250       |
| Conductivity                                              |          |    | 10/5 mA/V |
| Operational current $I_e$ IEC/EN                          |          |    |           |
| AC1/AC21A                                                 |          |    |           |
|                                                           |          | A  | 20        |
| AC15                                                      |          |    |           |
|                                                           | 110V     | A  | 10        |
|                                                           | 220/230V | A  | 8         |
|                                                           | 380/400V | A  | 6         |
| Rated operational power in AC                             |          |    |           |
| Three-phase AC-3                                          |          |    |           |
|                                                           | 220/230V | kW | 3         |
|                                                           | 380/440V | kW | 5         |
| Single-phase AC-3                                         |          |    |           |
|                                                           | 110V     | kW | 0.5       |
|                                                           | 220/230V | kW | 1.5       |
|                                                           | 380/440V | kW | 2         |
| Three-phase AC23A                                         |          |    |           |
|                                                           | 220/230V | kW | 4         |
|                                                           | 380/440V | kW | 7.5       |
| Single-phase AC23A                                        |          |    |           |
|                                                           | 110V     | kW | 0.75      |
|                                                           | 220/230V | kW | 2         |
|                                                           | 380/440V | kW | 2.5       |
| Rated operational current in DC                           |          |    |           |
| DC21A                                                     |          |    |           |
|                                                           | 48V      | A  | 20        |
|                                                           | 60V      | A  | 20        |
|                                                           | 110V     | A  | 4         |

|                                        |                                       |      |                 |                   |
|----------------------------------------|---------------------------------------|------|-----------------|-------------------|
|                                        |                                       | 220V | A               | 0.7               |
|                                        |                                       | 440V | A               | 0.2               |
| DC13                                   |                                       |      |                 |                   |
|                                        |                                       | 24V  | A               | 6                 |
|                                        |                                       | 48V  | A               | 6                 |
|                                        |                                       | 60V  | A               | 3                 |
|                                        |                                       | 110V | A               | 1                 |
|                                        |                                       | 220V | A               | 0.4               |
|                                        |                                       | 440V | A               | 0.15              |
| Power dissipation                      |                                       |      | W               | 0.8               |
| <b>Mechanical features</b>             |                                       |      |                 |                   |
| Terminals screw                        |                                       |      |                 | M3                |
| Tightening torque for terminals max    |                                       |      | Nm              | 0.5               |
| 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> |
| <b>UL technical data</b>               |                                       |      |                 |                   |
| Motor power for direct-on-line control |                                       |      |                 |                   |
|                                        | for three-phase motor                 |      |                 |                   |
|                                        |                                       | 240V | HP              | 3                 |
|                                        | for single-phase motor                |      |                 |                   |
|                                        |                                       | 240V | HP              | 1                 |
| <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 | L    |    |        |     |
|--------|------|----|--------|-----|
|        | 1    | 2  | 3....8 |     |
| GF20   | 54.5 | 68 | 81.5   | 203 |

### 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