



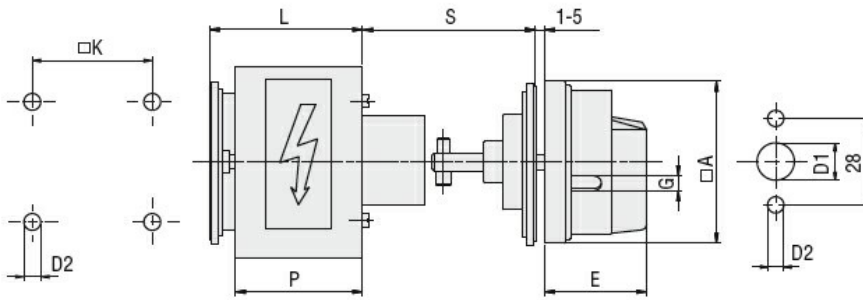
### General characteristics

|                   |  |
|-------------------|--|
| Switching diagram | 10 - ON/OFF<br>switch 3 poles  |
| N° of elements    | 2  |
| Mounting form     | O88 - Rear<br>mounting with<br>red/yellow handle<br>padlockable in 0,<br>door coupling<br>and protection<br>covers |

### Contact characteristics

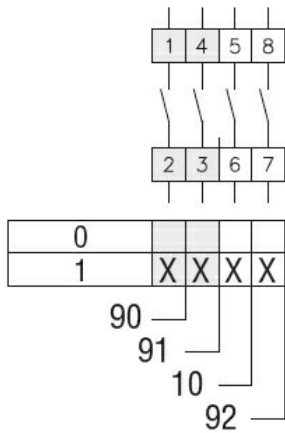
|   |                  |    |           |
|---|------------------|----|-----------|
| Rated insulation voltage $U_i$                            | IEC/EN           | V  | 480       |
|   | UL/CSA           | V  | 240       |
| Rated impulse withstand voltage $U_{imp}$                 |                  | 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       |
|   |                  |    | 10/5 mA/V |
| 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 | Dimensions |    |    |      |   |    |       | L  |      |        |       |
|--------|------------|----|----|------|---|----|-------|----|------|--------|-------|
|        | □A         | D1 | D2 | E    | G | □K | S     | 1  | 2    | 3...12 |       |
| GF20   | 48         | 12 | 5  | 34.2 | 5 | 36 | 45-55 | 46 | 59.5 | 73     | 194.5 |

### 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