



Product designation

Product type designation

Rotary cam  
switches  
GF20

### General characteristics

Switching diagram

92 - ON/OFF  
switch 4 poles

N° of elements

2

Mounting form

O - Rear  
mounting with  
black handle

### 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

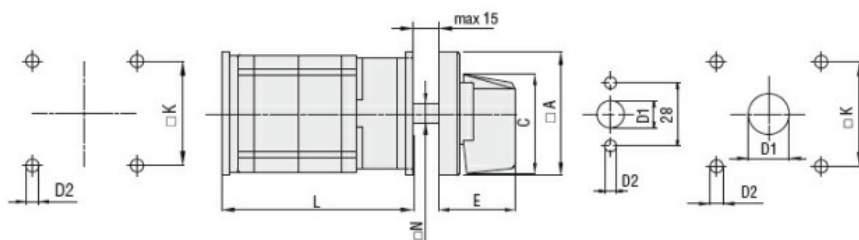
|          |    |     |
|----------|----|-----|
| 110V     | kW | 0.5 |
| 220/230V | kW | 1.5 |
| 380/440V | kW | 2   |

Three-phase AC23A

|          |    |     |
|----------|----|-----|
| 220/230V | kW | 4   |
| 380/440V | kW | 7.5 |

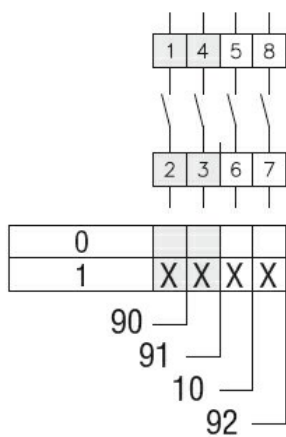
Single-phase AC23A

|                                        |          |                 |                   |
|----------------------------------------|----------|-----------------|-------------------|
|                                        | 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               |
| Mechanical features                    |          |                 |                   |
| 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> |
| UL technical data                      |          |                 |                   |
| Motor power for direct-on-line control |          |                 |                   |
| for three-phase motor                  |          |                 |                   |
|                                        | 240V     | HP              | 3                 |
| for single-phase motor                 |          |                 |                   |
|                                        | 240V     | HP              | 1                 |
| Ambient conditions                     |          |                 |                   |
| Temperature                            |          |                 |                   |
| Operating temperature                  |          |                 |                   |
|                                        | min      | °C              | -25               |
|                                        | max      | °C              | +55               |
| Storage temperature                    |          |                 |                   |
|                                        | min      | °C              | -40               |
|                                        | max      | °C              | +70               |
| Resistance & Protection                |          |                 |                   |
| Frontal IP degree                      |          |                 | IP40              |
| Terminals IP degree                    |          |                 | IP20              |
| Dimensions                             |          |                 |                   |



| Series | Dimensions |      |     |     |      |    |    | L Number of elements |      |    |      |     |       |     |       |     |       |     |       |
|--------|------------|------|-----|-----|------|----|----|----------------------|------|----|------|-----|-------|-----|-------|-----|-------|-----|-------|
|        | □A         | C    | ØD1 | ØD2 | E    | □K | N  | 1                    | 2    | 3  | 4    | 5   | 6     | 7   | 8     | 9   | 10    | 11  | 12    |
| GF20   | 48         | 39.5 | 12  | 5   | 26.5 | 36 | □6 | 46                   | 59.5 | 73 | 86.5 | 100 | 113.5 | 127 | 140.5 | 154 | 167.5 | 181 | 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