

|   |                    |          |           |   |
|---|--------------------|----------|-----------|---|
| Product designation                                       |                    |          |           | Rotary cam switches                       |
| Product type designation                                  |                    |          |           | GX20                                      |
| <b>General characteristics</b>                            |                    |          |           |   |
| Switching diagram   |                    |          |           | 107 - Multi-step<br>0-1-2 1 pole          |
| N° of elements  |                    |          |           | 1   |
| Mounting form   |                    |          |           | O - Rear<br>mounting with<br>black handle |
| <b>Contact characteristics</b>                            |                    |          |           |   |
| Rated insulation voltage $U_i$                            | IEC/EN             | V        | 690       |   |
|   | UL/CSA             | V        | 600       |   |
| Rated impulse withstand voltage $U_{imp}$                 |                    | kV       | 6         |   |
| Conventional free air thermal current $I_{th}$            | IEC/EN             | A        | 20        |   |
|   | UL/CSA             | A        | 15        |   |
| Rated operational voltage                                 |                    | V        | 440       |   |
| 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         |   |
|   | 660/690V           | A        | 1.5       |   |
| Rated operational power in AC                             | Three-phase AC-3   | 220/230V | kW        | 3.7                                       |
|   |                    | 380/440V | kW        | 5.5                                       |
|   |                    | 500/690V | kW        | 5.5                                       |
|   | Single-phase AC-3  | 110V     | kW        | 0.75                                      |
|   |                    | 220/230V | kW        | 1.8                                       |
|   |                    | 380/440V | kW        | 3   |
|   | Three-phase AC23A  | 220/230V | kW        | 4   |
|   |                    | 380/440V | kW        | 7.5                                       |
|   |                    | 500/690V | kW        | 7.5                                       |
|   | Single-phase AC23A | 110V     | kW        | 0.75                                      |
|   |                    | 220/230V | kW        | 2.2                                       |
|   |                    | 380/440V | kW        | 3.5                                       |
| Rated operational current in DC                           |                    |          |           |   |

DC21A

|      |   |      |
|------|---|------|
| 48V  | A | 20   |
| 60V  | A | 20   |
| 110V | A | 4    |
| 220V | A | 0.6  |
| 440V | A | 0.25 |

DC23A (poles in series)

|      |   |        |
|------|---|--------|
| 24V  | A | 20 (1) |
| 48V  | A | 20 (2) |
| 60V  | A | 20 (3) |
| 110V | A | 10 (3) |
| 220V | A | 8 (4)  |

DC13

|      |   |      |
|------|---|------|
| 24V  | A | 20   |
| 48V  | A | 16   |
| 60V  | A | 12   |
| 110V | A | 1    |
| 220V | A | 0.4  |
| 440V | A | 0.15 |

|                   |   |     |
|-------------------|---|-----|
| Power dissipation | W | 0.6 |
|-------------------|---|-----|

**Mechanical features**

|                 |    |
|-----------------|----|
| Terminals screw | M3 |
|-----------------|----|

|                                     |    |     |
|-------------------------------------|----|-----|
| Tightening torque for terminals max | Nm | 0.8 |
|-------------------------------------|----|-----|

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

|      |    |     |
|------|----|-----|
| 120V | HP | 1.5 |
| 240V | HP | 3   |
| 480V | HP | 5   |
| 600V | HP | 5   |

for single-phase motor

|      |    |      |
|------|----|------|
| 120V | HP | 0.75 |
| 240V | HP | 1.5  |

**Ambient conditions**

Temperature

Operating temperature

|     |    |     |
|-----|----|-----|
| min | °C | -25 |
| max | °C | +55 |

Storage temperature

|     |    |     |
|-----|----|-----|
| min | °C | -40 |
|-----|----|-----|

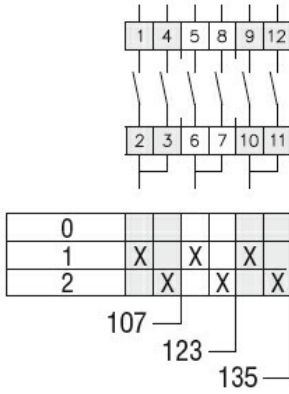
max °C +70

**Resistance & Protection**

|                     |      |
|---------------------|------|
| Frontal IP degree   | IP65 |
| Terminals IP degree | IP20 |

**Dimensions**

**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
- IEC/EN/BS 61058-1
- UL60947-4-1

**Certificates**

- cULus
- EAC

**ETIM classification**

ETIM 8.0

EC001029 -  
Selector switch,  
complete