

|                                                        |          |    |      |                     |
|--------------------------------------------------------|----------|----|------|---------------------|
| Product designation                                    |          |    |      | Rotary cam switches |
| Product type designation                               |          |    |      | GX16                |
| <b>General characteristics</b>                         |          |    |      |                     |
| Switching diagram                                      |          |    |      | 83                  |
| N° of elements                                         |          |    |      | 2                   |
| <b>Contact characteristics</b>                         |          |    |      |                     |
| Rated insulation voltage Ui                            | IEC/EN   | V  | 690  |                     |
|                                                        | UL/CSA   | V  | 600  |                     |
| Rated impulse withstand voltage Uimp                   |          | kV | 6    |                     |
| Conventional free air thermal current Ith              | IEC/EN   | A  | 16   |                     |
|                                                        | UL/CSA   | A  | 12   |                     |
| Rated operational voltage                              |          | V  | 440  |                     |
| Maximum fuse size for short-circuit protection In (gG) | 10kA     | A  | 20   |                     |
|                                                        | 25kA     | A  | 16   |                     |
| Rated short time current Icw                           | 1s       | A  | 250  |                     |
| Operational current Ie IEC/EN                          |          |    |      |                     |
| AC1/AC21A                                              |          | A  | 16   |                     |
| AC15                                                   | 110V     | A  | 10   |                     |
|                                                        | 220/230V | A  | 8    |                     |
|                                                        | 380/400V | A  | 4    |                     |
|                                                        | 660/690V | A  | 3    |                     |
| Rated operational power in AC                          |          |    |      |                     |
| Three-phase AC-3                                       | 220/230V | kW | 3.5  |                     |
|                                                        | 380/440V | kW | 4.5  |                     |
|                                                        | 500/690V | kW | 5.5  |                     |
| Single-phase AC-3                                      | 110V     | kW | 0.55 |                     |
|                                                        | 220/230V | kW | 1.5  |                     |
|                                                        | 380/440V | kW | 2.2  |                     |
| Three-phase AC23A                                      | 220/230V | kW | 3.7  |                     |
|                                                        | 380/440V | kW | 6.5  |                     |
|                                                        | 500/690V | kW | 7.5  |                     |
| Single-phase AC23A                                     | 110V     | kW | 0.75 |                     |
|                                                        | 220/230V | kW | 1.8  |                     |
|                                                        | 380/440V | kW | 3    |                     |
| Rated operational current in DC                        |          |    |      |                     |
| DC21A                                                  | 48V      | A  | 16   |                     |
|                                                        | 60V      | A  | 16   |                     |
|                                                        | 110V     | A  | 4    |                     |
|                                                        | 220V     | A  | 0.5  |                     |
|                                                        | 440V     | A  | 0.25 |                     |
| DC23A (poles in series)                                |          |    |      |                     |

|      |   |        |
|------|---|--------|
| 24V  | A | 16 (1) |
| 48V  | A | 16 (2) |
| 60V  | A | 16 (3) |
| 110V | A | 10 (3) |
| 220V | A | 7 (4)  |

DC13

|      |   |      |
|------|---|------|
| 24V  | A | 16   |
| 48V  | A | 14   |
| 60V  | A | 12   |
| 110V | A | 0.8  |
| 220V | A | 0.3  |
| 440V | A | 0.15 |

**Mechanical features**

|                 |  |  |    |
|-----------------|--|--|----|
| Terminals screw |  |  | 3M |
|-----------------|--|--|----|

|                                     |  |    |     |
|-------------------------------------|--|----|-----|
| Tightening torque for terminals max |  | Nm | 0.5 |
|-------------------------------------|--|----|-----|

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> | 2.5 |

Conductor size (IEC) - Rigid cable

|     |                 |     |
|-----|-----------------|-----|
| min | mm <sup>2</sup> | 0.5 |
| Max | mm <sup>2</sup> | 2.5 |

|                 |  |        |                   |
|-----------------|--|--------|-------------------|
| Mechanical life |  | cycles | 5x10 <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    |

**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 |
|---------------------|--|------|

**ETIM classification**

ETIM 8.0

EC001029 -  
Selector switch,  
complete