

|  |  |
|--|--|
| Product designation                                    | Rotary cam switches  |
| Product type designation                               | GX16   |
| General characteristics                                |  |
| Switching diagram                                      | 13 - Dahlander motor control switch 1-0-2  |
| N° of elements   | 4  |
| Mounting form  | O88 - Rear mounting with red/yellow handle padlockable in 0, door coupling and protection covers |
| Contact characteristics                                |  |
| Rated insulation voltage Ui                            | IEC/EN V 690<br>UL/CSA V 600   |
| Rated impulse withstand voltage Uimp                   | kV 6   |
| Conventional free air thermal current Ith              | IEC/EN A 16<br>UL/CSA A 12   |
| Rated operational voltage                              | V 440  |
| Rated operational impulse voltage                      | kV 4   |
| Maximum fuse size for short-circuit protection In (gG) | 10kA A 16<br>15kA A 16<br>25kA A 16  |
| Rated short time current Icw                           | 1s kA 250  |
| Conductivity   | 10/5 mA/V  |
| Operational current le IEC/EN                          |  |
| AC1/AC21A  | A 16   |
| AC15   | 110V A 10<br>220/230V A 8<br>380/400V A 4<br>660/690V A 1.5                                      |
| Rated operational power in AC                          |  |
| Three-phase AC-3                                       | 220/230V kW 3.5<br>380/440V kW 4.5<br>500/690V kW 5.5  |
| Single-phase AC-3                                      | 110V kW 0.55<br>220/230V kW 1.5<br>380/440V kW 2.2   |
| Three-phase AC23A                                      | 220/230V kW 3.7<br>380/440V kW 6.5<br>500/690V kW 7.5  |
| Single-phase AC23A                                     |  |

|  |          |                 |                   |
|--|----------|-----------------|-------------------|
|  | 110V     | kW              | 0.75              |
|  | 220/230V | kW              | 1.8               |
|  | 380/440V | kW              | 3                 |
| <hr/>                                  |          |                 |                   |
| Rated operational current in DC        |          |                 |                   |
| DC21A                                  |          |                 |                   |
|  | 48V      | A               | 16                |
|  | 60V      | A               | 16                |
|  | 110V     | A               | 4                 |
|  | 220V     | A               | 0.6               |
|  | 440V     | A               | 0.25              |
| <hr/>                                  |          |                 |                   |
| DC23A (poles in series)                |          |                 |                   |
|  | 24V      | A               | 16 (1)            |
|  | 48V      | A               | 16 (2)            |
|  | 60V      | A               | 16 (3)            |
|  | 110V     | A               | 10 (3)            |
|  | 220V     | A               | 7 (4)             |
| <hr/>                                  |          |                 |                   |
| DC13                                   |          |                 |                   |
|  | 24V      | A               | 16                |
|  | 48V      | A               | 14                |
|  | 60V      | A               | 10                |
|  | 110V     | A               | 1                 |
|  | 220V     | A               | 0.4               |
|  | 440V     | A               | 0.15              |
| <hr/>                                  |          |                 |                   |
| Power dissipation                      |          | W               | 0.6               |
| <hr/>                                  |          |                 |                   |
| Mechanical features                    |          |                 |                   |
| Terminals screw                        |          |                 | 3M                |
| Tightening torque for terminals max    |          | Nm              | 0.5               |
| <hr/>                                  |          |                 |                   |
| Conductor size                         |          |                 |                   |
| AWG - Rigid cable                      |          |                 |                   |
|  | min      | AWG             | 20                |
|  | Max      | AWG             | 12                |
| <hr/>                                  |          |                 |                   |
| AWG - Flexible cable                   |          |                 |                   |
|  | min      | AWG             | 20                |
|  | Max      | AWG             | 12                |
| <hr/>                                  |          |                 |                   |
| Conductor size (IEC) - Flexible cable  |          |                 |                   |
|  | min      | mm <sup>2</sup> | 0.5               |
|  | Max      | mm <sup>2</sup> | 2.5               |
| <hr/>                                  |          |                 |                   |
| Conductor size (IEC) - Rigid cable     |          |                 |                   |
|  | min      | mm <sup>2</sup> | 0.5               |
|  | Max      | mm <sup>2</sup> | 2.5               |
| <hr/>                                  |          |                 |                   |
| Mechanical life                        |          | cycles          | 1X10 <sup>6</sup> |
| <hr/>                                  |          |                 |                   |
| 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                 |
| <hr/>                                  |          |                 |                   |
| for single-phase motor                 |          |                 |                   |
|  | 120V     | HP              | 0.75              |
|  | 240V     | HP              | 1                 |
| <hr/>                                  |          |                 |                   |
| Ambient conditions                     |          |                 |                   |
| Temperature                            |          |                 |                   |
| Operating temperature                  |          |                 |                   |

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

Storage temperature

|     |    |     |
|-----|----|-----|
| min | °C | -40 |
| max | °C | +70 |

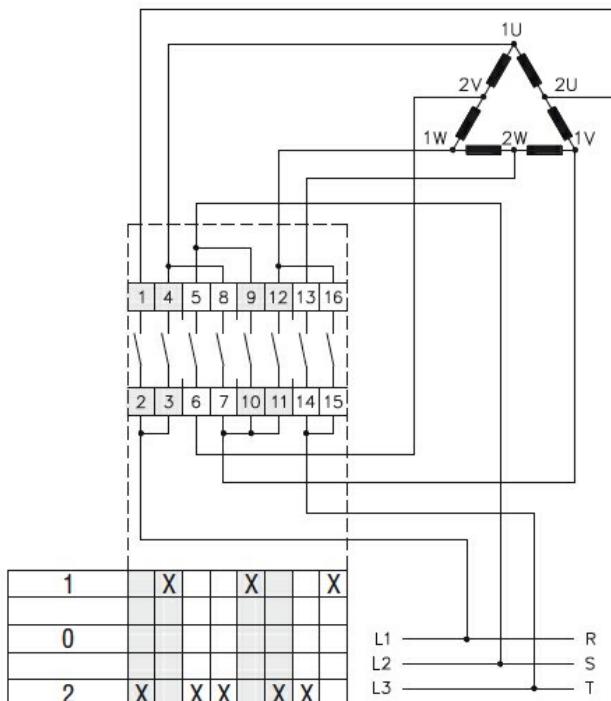
Resistance & Protection

|                   |      |
|-------------------|------|
| 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