

|                                                        |  |  |                                               |     |      |
|--------------------------------------------------------|--|--|-----------------------------------------------|-----|------|
| Product designation                                    |  |  | Rotary cam switches                           |     |      |
| Product type designation                               |  |  | GN200                                         |     |      |
| General characteristics                                |  |  |                                               |     |      |
| Switching diagram                                      |  |  | 20 - Dahlander motor 2-speed reversing switch |     |      |
| N° of elements                                         |  |  | 6                                             |     |      |
| Mounting form                                          |  |  | O - Rear mounting with black handle           |     |      |
| Contact characteristics                                |  |  |                                               |     |      |
| Rated insulation voltage Ui                            |  |  | IEC/EN                                        | V   | 690  |
|                                                        |  |  | UL/CSA                                        | V   | 600  |
| Rated impulse withstand voltage Uimp                   |  |  |                                               | kV  | 8    |
| Conventional free air thermal current Ith              |  |  | IEC/EN                                        | A   | 200  |
|                                                        |  |  | UL/CSA                                        | A   | 200  |
| Rated operational voltage                              |  |  |                                               | V   | 690  |
| Rated operational impulse voltage                      |  |  |                                               | kV  | 6    |
| Maximum fuse size for short-circuit protection In (gG) |  |  | 10kA                                          | A   | 200  |
|                                                        |  |  | 15kA                                          | A   | 200  |
| Rated short time current Icw                           |  |  | 1s                                            | kA  | 3300 |
| Operational current Ie IEC/EN AC1/AC21A                |  |  |                                               | A   | 200  |
| Rated operational power in AC Three-phase AC-3         |  |  | 220/230V                                      | kW  | 27.5 |
|                                                        |  |  | 380/440V                                      | kW  | 47   |
| Rated operational current in DC DC21A                  |  |  | 48V                                           | A   | 200  |
|                                                        |  |  | 60V                                           | A   | 200  |
|                                                        |  |  | 110V                                          | A   | 35   |
|                                                        |  |  | 220V                                          | A   | 2.5  |
|                                                        |  |  | 440V                                          | A   | 0.9  |
| Power dissipation                                      |  |  |                                               | W   | 26   |
| Mechanical features                                    |  |  |                                               |     |      |
| Terminals screw                                        |  |  |                                               |     | M10  |
| Tightening torque for terminals max                    |  |  |                                               | Nm  | 10   |
| Conductor size                                         |  |  | AWG - Rigid cable                             |     |      |
|                                                        |  |  | Max                                           | AWG | 1X3  |
|                                                        |  |  | AWG - Flexible cable                          |     |      |
|                                                        |  |  | Max                                           | AWG | 0    |
|                                                        |  |  | Conductor size (IEC) - Flexible cable         |     |      |
|                                                        |  |  | Max                                           | mm² | 1X95 |
|                                                        |  |  | Conductor size (IEC) - Rigid cable            |     |      |
|                                                        |  |  | Max                                           | mm² | 1X95 |

Mechanical life cycles 2X10<sup>5</sup>

#### UL technical data

Motor power for direct-on-line control

for three-phase motor

|      |    |     |
|------|----|-----|
| 120V | HP | 30  |
| 240V | HP | 50  |
| 480V | HP | 100 |
| 600V | HP | 75  |

for single-phase motor

|      |    |    |
|------|----|----|
| 120V | HP | 15 |
| 240V | HP | 30 |

#### Ambient conditions

Temperature

Operating temperature

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

Storage temperature

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

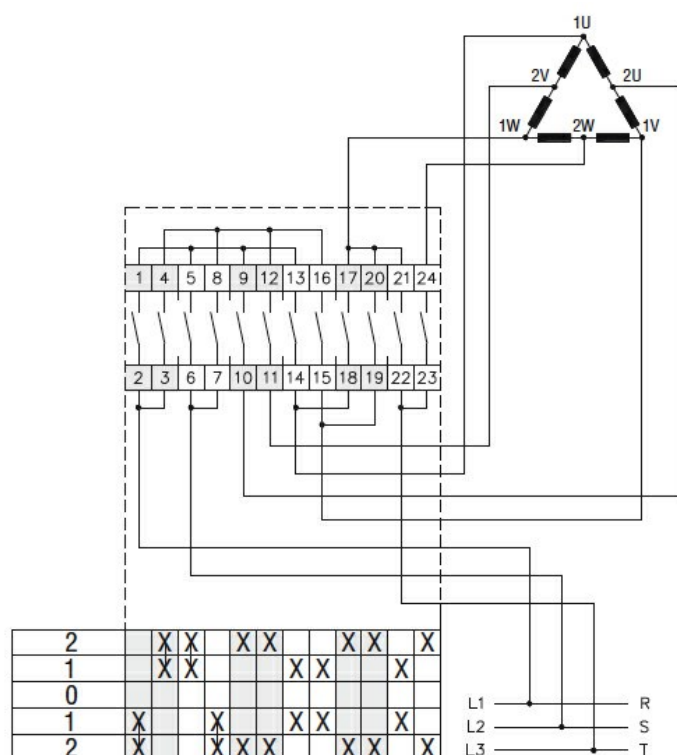
#### Resistance & Protection

Frontal IP degree IP40

Terminals IP degree IP00

#### Dimensions

#### Wiring diagrams



#### Certifications and compliance

Compliance

IEC/EN/BS 60947-1

IEC/EN/BS 60947-3

IEC/EN/BS 60947-5-1

UL60947-4-1

Certificates

UR

ETIM classification

ETIM 8.0

EC001029 -  
Selector switch,  
complete