

|                                                        |  |  |                                           |                       |                                |
|--------------------------------------------------------|--|--|-------------------------------------------|-----------------------|--------------------------------|
| Product designation                                    |  |  | Rotary cam switches                       |                       |                                |
| Product type designation                               |  |  | GN200                                     |                       |                                |
| General characteristics                                |  |  |                                           |                       |                                |
| Switching diagram                                      |  |  | 19 - Dahlander motor control switch 0-1-2 |                       |                                |
| N° of elements                                         |  |  | 4                                         |                       |                                |
| Mounting form                                          |  |  | U - Front mounting with black handle      |                       |                                |
| Contact characteristics                                |  |  |                                           |                       |                                |
| Rated insulation voltage Ui                            |  |  | IEC/EN<br>UL/CSA                          | V<br>V                | 690<br>600                     |
| Rated impulse withstand voltage Uimp                   |  |  |                                           | kV                    | 8                              |
| Conventional free air thermal current Ith              |  |  | IEC/EN<br>UL/CSA                          | A<br>A                | 200<br>200                     |
| Rated operational voltage                              |  |  |                                           | V                     | 690                            |
| Rated operational impulse voltage                      |  |  |                                           | kV                    | 6                              |
| Maximum fuse size for short-circuit protection In (gG) |  |  | 10kA<br>15kA                              | A<br>A                | 200<br>200                     |
| Rated short time current Icw                           |  |  | 1s                                        | kA                    | 3300                           |
| Operational current Ie IEC/EN<br>AC1/AC21A             |  |  |                                           | A                     | 200                            |
| Rated operational power in AC<br>Three-phase AC-3      |  |  | 220/230V<br>380/440V                      | kW<br>kW              | 27.5<br>47                     |
| Rated operational current in DC<br>DC21A               |  |  | 48V<br>60V<br>110V<br>220V<br>440V        | A<br>A<br>A<br>A<br>A | 200<br>200<br>35<br>2.5<br>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

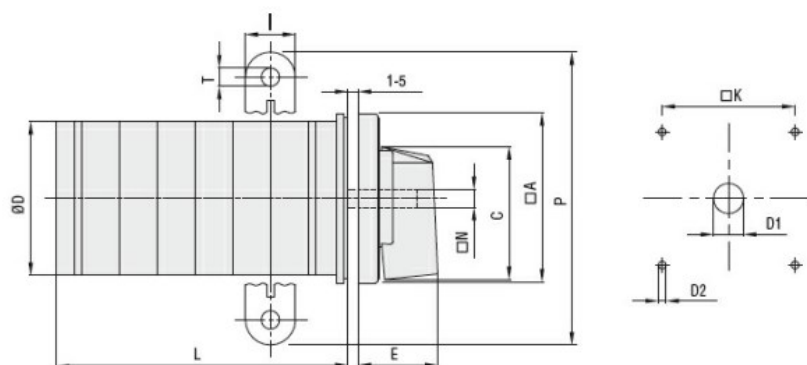
|     |    |     |
|-----|----|-----|
| min | °C | -40 |
| max | °C | +70 |

#### Resistance & Protection

Frontal IP degree IP40

Terminals IP degree IP00

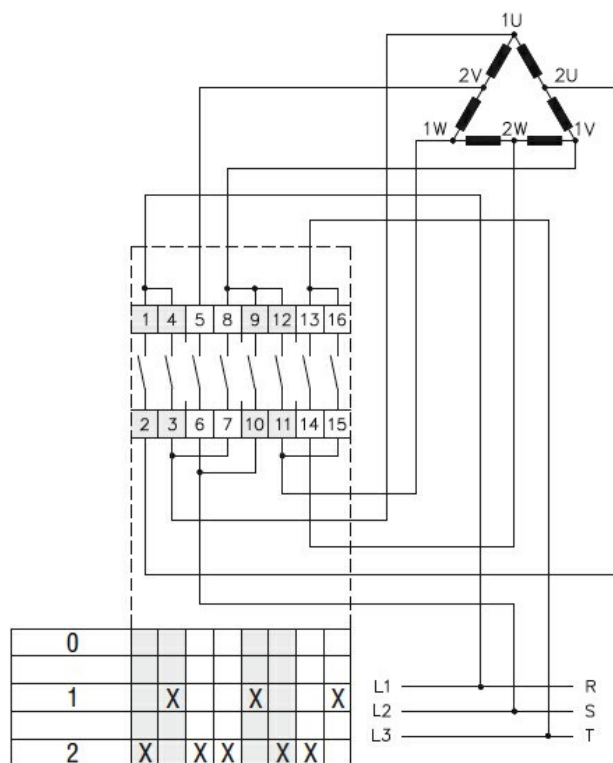
#### Dimensions



| Series | Dimensions |     |     |     |     |    |    |     |    |     |      | L Number of elements ① |     |     |     |     |     |     |     |     |     |     |     |
|--------|------------|-----|-----|-----|-----|----|----|-----|----|-----|------|------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|        | ØA         | C   | ØD  | ØD1 | ØD2 | E  | I  | ØK  | ØN | P   | ØT   | 1                      | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12  |
| GN200  | 132        | 104 | 120 | 16  | 5.3 | 56 | 20 | 104 | 10 | 140 | 10.5 | 77                     | 107 | 136 | 166 | 196 | 226 | 284 | 314 | 343 | 373 | 402 | 432 |
| GN315  | 132        | 104 | 120 | 16  | 5.3 | 56 | 20 | 104 | 10 | 145 | 10.5 | 77                     | 107 | 136 | 166 | 196 | 226 | 284 | 314 | 343 | 373 | 402 | 432 |

① For devices with 6 or more elements please consult Technical support, see contact details on inside front cover.

#### 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