

|                                                           |                                       |    |      |                                           |
|-----------------------------------------------------------|---------------------------------------|----|------|-------------------------------------------|
| Product designation                                       |                                       |    |      | Enclosed rotary cam switch                |
| Product type designation                                  |                                       |    |      | GN200                                     |
| <b>General characteristics</b>                            |                                       |    |      |                                           |
| Switching diagram                                         |                                       |    |      | 19 - Dahlander motor control switch 0-1-2 |
| N° of elements                                            |                                       |    |      | 4                                         |
| Mounting form                                             |                                       |    |      | L - Metal enclosure with 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   | 8                                         |
| Conventional free air thermal current $I_{th}$            | 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 $I_n$ (gG) | 10kA                                  | A  | 200  |                                           |
|                                                           | 15kA                                  | A  | 200  |                                           |
| Rated short time current $I_{cw}$                         |                                       |    | 1s   | A                                         |
|                                                           |                                       |    |      | 3300                                      |
| Operational current $I_e$ IEC/EN<br>AC1/AC21A             |                                       |    | A    | 200                                       |
|                                                           |                                       |    |      |                                           |
| Rated operational power in AC<br>Three-phase AC-3         | 220/230V                              | kW | 27.5 |                                           |
|                                                           | 380/440V                              | kW | 47   |                                           |
|                                                           |                                       |    |      |                                           |
| Rated operational current in DC<br>DC21A                  | 48V                                   | A  | 200  |                                           |
|                                                           | 60V                                   | A  | 200  |                                           |
|                                                           | 110V                                  | A  | 35   |                                           |
|                                                           | 220V                                  | A  | 2.5  |                                           |
|                                                           | 440V                                  | A  | 0.9  |                                           |
|                                                           |                                       |    |      |                                           |
| Power dissipation                                         |                                       |    | W    | 26                                        |
| <b>Mechanical features</b>                                |                                       |    |      |                                           |
| 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  | mm <sup>2</sup> 1X95                      |
|                                                           | Conductor size (IEC) - Rigid cable    |    | Max  | mm <sup>2</sup> 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**

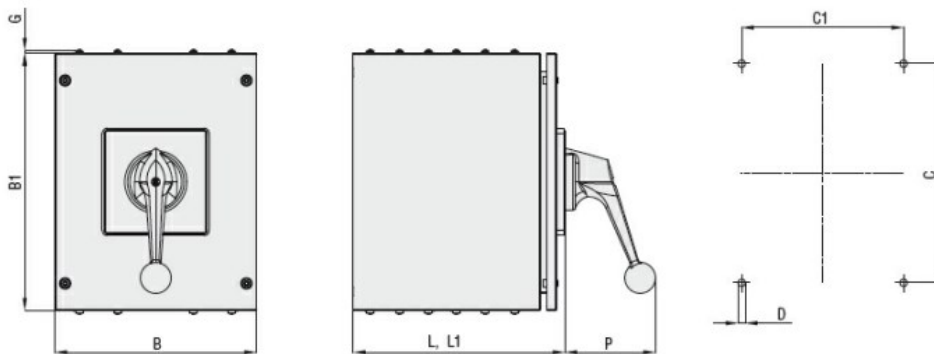
Frontal IP degree

IP54

Terminals IP degree

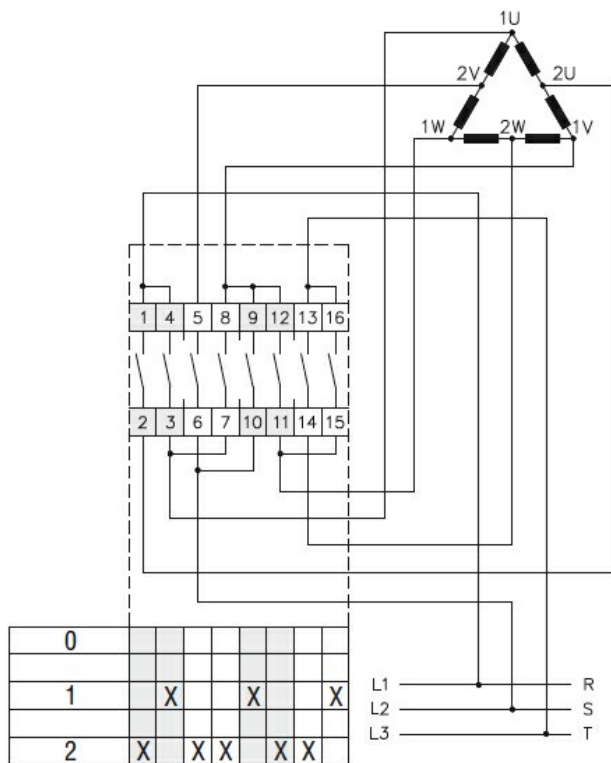
IP00

**Dimensions**



| Series | Enclosure size | Number of elements |       | Dimensions |     |     |     |     |     |   |     |    | Protection degree |
|--------|----------------|--------------------|-------|------------|-----|-----|-----|-----|-----|---|-----|----|-------------------|
|        |                | L                  | L1    | L          | L1  | B   | B1  | C   | C1  | D | G   | P  |                   |
| GN200  | 250x316        | 1 - 3              | 4 - 6 | 162        | 252 | 250 | 316 | 270 | 200 | 9 | 4.5 | 98 | IP54              |
| GN315  |                | 1 - 3              | 4 - 6 | 162        | 252 | 250 | 316 | 270 | 200 | 9 | 4.5 | 98 | IP54              |

**Wiring diagrams**



**Certifications and compliance**

**Compliance**

IEC/EN/BS 60947-1  
IEC/EN/BS 60947-3  
IEC/EN/BS 60947-5-1

**ETIM classification**

ETIM 8.0

EC001029 -  
Selector switch,  
complete