

|                                                        |                                                                                |                       |                                |
|--------------------------------------------------------|--------------------------------------------------------------------------------|-----------------------|--------------------------------|
| Product designation                                    | Rotary cam switches                                                            |                       |                                |
| Product type designation                               | GN315                                                                          |                       |                                |
| General characteristics                                |                                                                                |                       |                                |
| Switching diagram                                      | 53 - Changeover switch 3 poles - 2 speed motor starting with separate windings |                       |                                |
| N° of elements                                         | 3                                                                              |                       |                                |
| 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                | 315<br>255                     |
| 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                | 315<br>315                     |
| Rated short time current Icw                           | 1s                                                                             | kA                    | 5200                           |
| Operational current Ie IEC/EN<br>AC1/AC21A             |                                                                                | A                     | 315                            |
| Rated operational power in AC<br>Three-phase AC-3      | 220/230V<br>380/440V<br>500/690V                                               | kW<br>kW<br>kW        | 37<br>55<br>69                 |
| Single-phase AC-3                                      | 110V<br>220/230V<br>380/440V                                                   | kW<br>kW<br>kW        | 11<br>22<br>30                 |
| 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                     | 64.5                           |
| Mechanical features                                    |                                                                                |                       |                                |
| Terminals screw                                        |                                                                                |                       | M10                            |
| Tightening torque for terminals max                    |                                                                                | Nm                    | 10                             |
| Conductor size                                         |                                                                                |                       |                                |

ROTARY CAM SWITCH GN SERIES, CHANGEOVER SWITCH 3 POLES 315A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 132X132MM

AWG - Rigid cable

Max AWG 1XMCM350

AWG - Flexible cable

Max AWG 1XMCM350

Conductor size (IEC) - Flexible cable

Max mm<sup>2</sup> 1X185

Conductor size (IEC) - Rigid cable

Max mm<sup>2</sup> 1X185

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

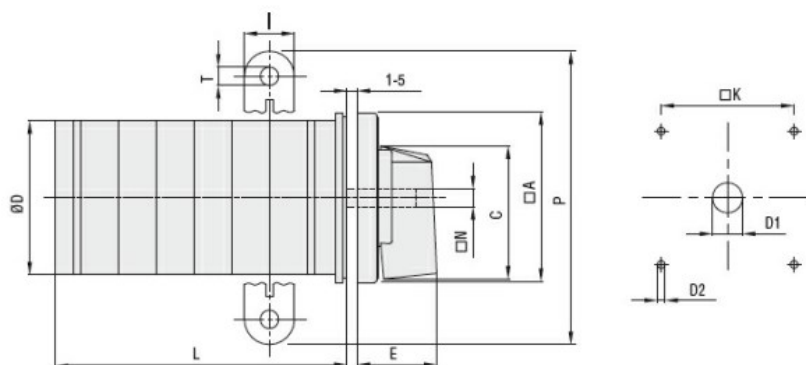
|     |    |     |
|-----|----|-----|
| min | °C | -40 |
| max | °C | +70 |

**Resistance & Protection**

Frontal IP degree IP40

Terminals IP degree IP00

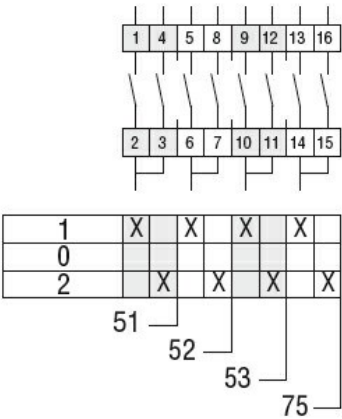
**Dimensions**



| 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