

|                                                        |  |  |                                       |                       |                                |
|--------------------------------------------------------|--|--|---------------------------------------|-----------------------|--------------------------------|
| Product designation                                    |  |  | Enclosed rotary cam switch            |                       |                                |
| Product type designation                               |  |  | GN315                                 |                       |                                |
| General characteristics                                |  |  |                                       |                       |                                |
| Switching diagram                                      |  |  | 10 - ON/OFF switch 3 poles            |                       |                                |
| N° of elements                                         |  |  | 2                                     |                       |                                |
| Mounting form                                          |  |  | L - Metal enclosure 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                                         |  |  | 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

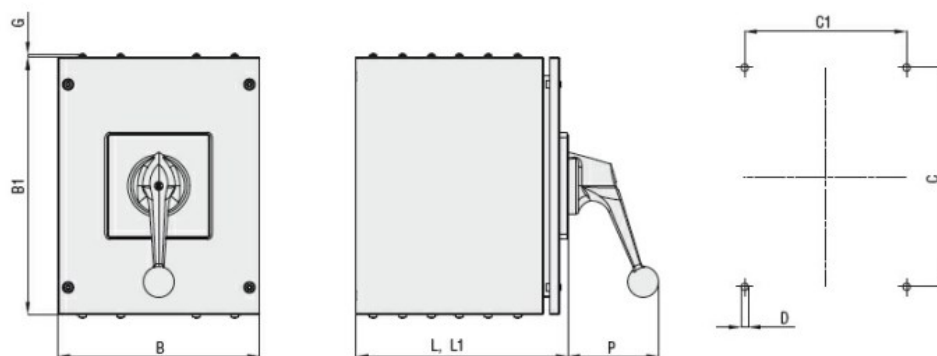
Frontal IP degree

IP54

Terminals IP degree

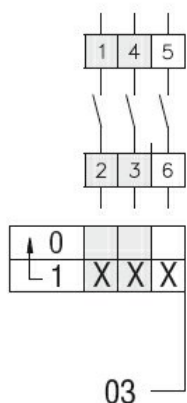
IP00

#### 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