

|   |                   |     |     |  |      |
|---|-------------------|-----|-----|--|------|
| Product designation                                       |                   |     |     | Rotary cam switches                      |      |
| Product type designation                                  |                   |     |     | GN315                                    |      |
| <b>General characteristics</b>                            |                   |     |     |  |      |
| Switching diagram   |                   |     |     | 69 - Changeover switch without 0 4 poles |      |
| N° of elements  |                   |     |     | 4  |      |
| Mounting form   |                   |     |     | O - Rear mounting 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   | 315 |  |      |
|   | UL/CSA            | A   | 255 |  |      |
| Rated operational voltage                                 |                   |     | V   | 690                                      |      |
| Rated operational impulse voltage                         |                   |     | kV  | 6  |      |
| Maximum fuse size for short-circuit protection $I_n$ (gG) | 10kA              | A   | 315 |  |      |
|   | 15kA              | A   | 315 |  |      |
|   |                   |     | 1s  | kA                                       | 5200 |
| Rated short time current $I_{cw}$                         |                   |     | 1s  | kA                                       | 5200 |
|   |                   |     |     |  |      |
| Operational current $I_e$ IEC/EN<br>AC1/AC21A             |                   |     | A   | 315                                      |      |
|   |                   |     |     |  |      |
| Rated operational power in AC<br>Three-phase AC-3         | 220/230V          | kW  | 37  |  |      |
|   | 380/440V          | kW  | 55  |  |      |
|   | 500/690V          | kW  | 69  |  |      |
|   |                   |     |     |  |      |
|   |                   |     |     |  |      |
|   |                   |     |     |  |      |
|   |                   |     |     |  |      |
| Rated operational current in DC<br>DC21A                  | 110V              | kW  | 11  |  |      |
|   | 220/230V          | kW  | 22  |  |      |
|   | 380/440V          | kW  | 30  |  |      |
|   |                   |     |     |  |      |
|   |                   |     |     |  |      |
|   |                   |     |     |  |      |
|   |                   |     |     |  |      |
| 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   | 64.5                                     |      |
| <b>Mechanical features</b>                                |                   |     |     |  |      |
| Terminals screw   |                   |     |     | M10                                      |      |
| Tightening torque for terminals max                       |                   |     |     | Nm 10                                    |      |
| Conductor size  | AWG - Rigid cable |     |     |  |      |
|   |                   | Max | AWG | 1XMCM350                                 |      |
| AWG - Flexible cable                                      |                   |     |     |  |      |

|                                       |     |     |          |
|---------------------------------------|-----|-----|----------|
| Conductor size (IEC) - Flexible cable | Max | AWG | 1XMCM350 |
|---------------------------------------|-----|-----|----------|

|                                    |     |                 |       |
|------------------------------------|-----|-----------------|-------|
| Conductor size (IEC) - Rigid cable | Max | mm <sup>2</sup> | 1X185 |
|------------------------------------|-----|-----------------|-------|

|                 |     |                 |                   |
|-----------------|-----|-----------------|-------------------|
| Mechanical life | Max | mm <sup>2</sup> | 1X185             |
|                 |     | 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

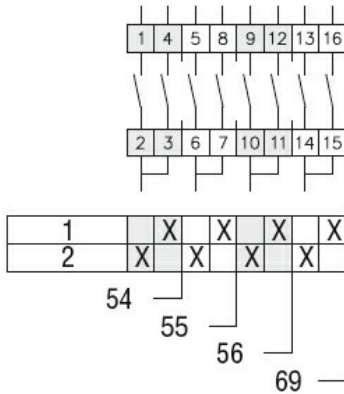
IP40

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

ROTARY CAM SWITCH GN SERIES, CHANGEOVER SWITCH WITHOUT 0, 4 POLES 315A,  
FOR REAR MOUNTING WITH BLACK HANDLE, FRONT PLATE 132X132MM