

|   |                      |          |     |   |      |
|---|----------------------|----------|-----|---|------|
| Product designation                                       |                      |          |     | Rotary cam switches                       |      |
| Product type designation                                  |                      |          |     | GN315                                     |      |
| <b>General characteristics</b>                            |                      |          |     |   |      |
| Switching diagram   |                      |          |     | 136 - Multi-step<br>0-1-2-3 3 poles       |      |
| N° of elements  |                      |          |     | 5   |      |
| Mounting form   |                      |          |     | O - Rear<br>mounting with<br>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  |   |      |
|   |                      |          |     |   |      |
|   | Single-phase AC-3    | 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 |   |      |
|   |                      |          | 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 |          | 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<br>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 |

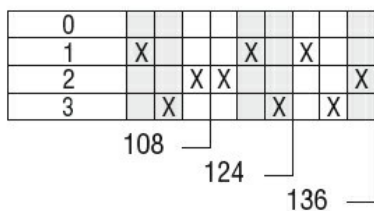
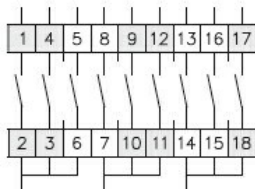
**Resistance & Protection**

|                   |      |
|-------------------|------|
| 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 |
|----------|--------------------------------------|