

|   |                   |     |     |  |
|---|-------------------|-----|-----|--|
| Product designation                                       |                   |     |     | Enclosed rotary cam switch               |
| Product type designation                                  |                   |     |     | GN315                                    |
| <b>General characteristics</b>                            |                   |     |     |  |
| Switching diagram   |                   |     |     | 69 - Changeover switch without 0 4 poles |
| 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   | 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 |  |
| Rated short time current $I_{cw}$                         |                   |     | 1s  | A  |
|   |                   |     |     | 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 |  |
|   |                   |     |     |  |
| 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                                      |                   |     |     |  |

|  |                     |                 |  |
|--|---------------------|-----------------|--|
|  | 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>                          |
| <b>UL technical data</b>               |                     |                 |  |
| 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   |
| <b>Ambient conditions</b>              |                     |                 |  |
| Temperature                            |                     |                 |  |
| Operating temperature                  |                     |                 |  |
|  | min                 | °C              | -25  |
|  | max                 | °C              | +55  |
| Storage temperature                    |                     |                 |  |
|  | min                 | °C              | -40  |
|  | max                 | °C              | +70  |
| <b>Resistance &amp; Protection</b>     |                     |                 |  |
| Frontal IP degree                      |                     |                 | IP54                                       |
| Terminals IP degree                    |                     |                 | IP00                                       |
| <b>Dimensions</b>                      |                     |                 |  |
| <b>Wiring diagrams</b>                 |                     |                 |  |
| <b>Certifications and compliance</b>   |                     |                 |  |
| Compliance                             |                     |                 |  |
|  | IEC/EN/BS 60947-1   |                 |  |
|  | IEC/EN/BS 60947-3   |                 |  |
|  | IEC/EN/BS 60947-5-1 |                 |  |
| <b>ETIM classification</b>             |                     |                 |  |
| ETIM 8.0                               |                     |                 | EC001029 -<br>Selector switch,<br>complete |