



Description Rotary switch disconnector

Code MSS 160

No. of poles 3P

Rated current 160 A

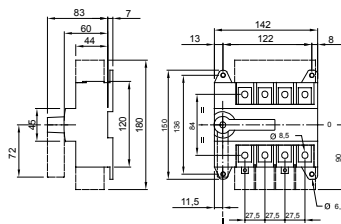
#### ELECTRICAL CHARACTERISTICS

|   |                  |
|---|------------------|
| Standard  | EN 60947-3       |
| AC Rated operational voltage (Ue)                 | 400 V            |
| DC Rated operational voltage (Ue)                 | 220 V            |
| AC Maximum operational voltage (Ue max)           | 690 V            |
| DC Maximum operational voltage (Ue max)           | 440 V            |
| Rated insulation voltage (Ui)                     | 800 V            |
| Rated impulse withstand voltage (Uimp)            | 8 kV             |
| Rated short-time withstand current for 1s (Icw)   | 4 kA             |
| Rated short-circuit current making capacity (Icm) | 16 kA            |
| Conditional short-circuit current with fuse (Icc) | 50 kA (gG 160 A) |
| Power dissipation per pole                        | 3,3 W            |
| <b>AC RATED OPERATIONAL CURRENT (Ie)</b>          |                  |
| AC-20A / AC-20B (690V AC)                         | 160 A / 160 A    |
| AC-21A / AC-21B (400V AC)                         | 160 A / 160 A    |
| AC-21A / AC-21B (500V AC)                         | 160 A / 160 A    |
| AC-21A / AC-21B (690V AC)                         | 160 A / 160 A    |
| AC-22A / AC-22B (400V AC)                         | 160 A / 160 A    |
| AC-22A / AC-22B (500V AC)                         | 160 A / 160 A    |
| AC-22A / AC-22B (690V AC)                         | 160 A / 160 A    |
| AC-23A / AC-23B (400V AC)                         | 160 A / 160 A    |
| AC-23A / AC-23B (500V AC)                         | 160 A / 160 A    |
| AC-23A / AC-23B (690V AC)                         | 63 A / 80 A      |
| -   | -                |
| -   | -                |
| -   | -                |
| -   | -                |
| -   | -                |
| -   | -                |
| -   | -                |
| -   | -                |

#### MECHANICAL CHARACTERISTICS

|  |                         |
|--|-------------------------|
| Mechanical life  | 10.000 cycles           |
| Maximum number of auxiliary contacts that can be installed | 2                       |
| Minimum cable size   | 10 mm <sup>2</sup>      |
| Maximum cable size (rigid/flexible)                        | 95 / 70 mm <sup>2</sup> |
| Maximum busbar width                                       | 240 mm <sup>2</sup>     |
| Rated tightening torque                                    | 9 Nm                    |
| Pre-arrangement for lock in OFF position                   | Yes (ø6 mm max)         |
| Height   | 120 mm                  |
| Width (mm)   | 142                     |
| Depth  | 51 mm                   |
| Weight (kg)  | 1                       |
| <b>DC RATED OPERATIONAL CURRENT (Ie)</b>                   |                         |
| DC-20A / DC-20B (220V DC)                                  | 160 A / 160 A           |
| DC-20A / DC-20B (400V DC)                                  | -                       |
| DC-20A / DC-20B (440V DC)                                  | -                       |
| DC-20A / DC-20B (500V DC)                                  | -                       |
| DC-21A / DC-21B (220V DC)                                  | -                       |
| DC-21A / DC-21B (400V DC)                                  | -                       |
| DC-21A / DC-21B (440V DC)                                  | -                       |
| DC-21A / DC-21B (500V DC)                                  | -                       |
| DC-22A / DC-22B (220V DC)                                  | -                       |
| DC-22A / DC-22B (400V DC)                                  | -                       |
| DC-22A / DC-22B (440V DC)                                  | -                       |
| DC-22A / DC-22B (500V DC)                                  | -                       |
| DC-23A / DC-23B (220V DC)                                  | -                       |
| DC-23A / DC-23B (400V DC)                                  | -                       |
| DC-23A / DC-23B (440V DC)                                  | -                       |
| DC-23A / DC-23B (500V DC)                                  | -                       |

### DIMENSIONAL





Product Data Sheet

GW97727

97 MSS Range

## STANDARDS/APPROVALS



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