



Description Rotary switch disconnector

Code MSS 125

No. of poles 4P

Rated current 100 A

#### ELECTRICAL CHARACTERISTICS

|   |                  |
|---|------------------|
| Standard  | EN 60947-3       |
| AC Rated operational voltage (Ue)                 | 400V             |
| 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)   | 2,5 kA           |
| Rated short-circuit current making capacity (Icm) | 12 kA            |
| Conditional short-circuit current with fuse (Icc) | 100 kA (gG 100A) |
| Power dissipation per pole                        | 3,1 W            |

#### AC RATED OPERATIONAL CURRENT (Ie)

|                           |               |
|---------------------------|---------------|
| AC-20A / AC-20B (690V AC) | 100 A / 100 A |
| AC-21A / AC-21B (400V AC) | 100 A / 100 A |
| AC-21A / AC-21B (500V AC) | 100 A / 100 A |
| AC-21A / AC-21B (690V AC) | 80 A / 80 A   |
| AC-22A / AC-22B (400V AC) | 100 A / 100 A |
| AC-22A / AC-22B (500V AC) | 100 A / 100 A |
| AC-22A / AC-22B (690V AC) | 40 A / 40 A   |
| AC-23A / AC-23B (400V AC) | 63 A / 63 A   |
| AC-23A / AC-23B (500V AC) | 50 A / 50 A   |
| AC-23A / AC-23B (690V AC) | 25 A / 25 A   |

|   |   |
|---|---|
| - | - |
| - | - |
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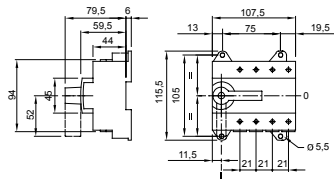
#### MECHANICAL CHARACTERISTICS

|  |                         |
|--|-------------------------|
| Mechanical life  | 20.000 cycles           |
| Maximum number of auxiliary contacts that can be installed | 2                       |
| Minimum cable size   | 4 mm <sup>2</sup>       |
| Maximum cable size (rigid/flexible)                        | 50 / 35 mm <sup>2</sup> |
| Maximum busbar width                                       | -                       |
| Rated tightening torque                                    | 6 Nm                    |
| Pre-arrangement for lock in OFF position                   | Yes (ø6 mm max)         |
| Height   | 94 mm                   |
| Width (mm)   | 108                     |
| Depth  | 50 mm                   |
| Weight (kg)  | 0.68                    |

#### DC RATED OPERATIONAL CURRENT (Ie)

|                           |   |
|---------------------------|---|
| DC-20A / DC-20B (220V DC) | 100 A / 100 A                                       |
| DC-20A / DC-20B (400V DC) | -   |
| DC-20A / DC-20B (440V DC) | 100 A / 100 A (2 poles in series for each polarity) |
| DC-20A / DC-20B (500V DC) | -   |
| DC-21A / DC-21B (220V DC) | 100 A / 100 A (2 poles in series for each polarity) |
| DC-21A / DC-21B (400V DC) | -   |
| DC-21A / DC-21B (440V DC) | 40 A / 40 A (2 poles in series for each polarity)   |
| DC-21A / DC-21B (500V DC) | -   |
| DC-22A / DC-22B (220V DC) | 100 A / 100 A (2 poles in series for each polarity) |
| DC-22A / DC-22B (400V DC) | -   |
| DC-22A / DC-22B (440V DC) | 32 A / 32 A (2 poles in series for each polarity)   |
| DC-22A / DC-22B (500V DC) | -   |
| DC-23A / DC-23B (220V DC) | 63 A / 63 A (2 poles in series for each polarity)   |
| DC-23A / DC-23B (400V DC) | -   |
| DC-23A / DC-23B (440V DC) | 32 A / 32 A (2 poles in series for each polarity)   |
| DC-23A / DC-23B (500V DC) | -   |

### DIMENSIONAL





Product Data Sheet

GW97725

97 MSS Range

STANDARDS/APPROVALS

