



Description Rotary switch disconnecter

Code MSS 125

No. of poles 4P

Rated current 100 A

#### ELECTRICAL CHARACTERISTICS

|                                                   |                  |                                                            |                         |
|---------------------------------------------------|------------------|------------------------------------------------------------|-------------------------|
| Standard                                          | EN 60947-3       | Mechanical life                                            | 20.000 cycles           |
| AC Rated operational voltage (Ue)                 | 400V             | Maximum number of auxiliary contacts that can be installed | 2                       |
| DC Rated operational voltage (Ue)                 | 220 V            | Minimum cable size                                         | 4 mm <sup>2</sup>       |
| AC Maximum operational voltage (Ue max)           | 690 V            | Maximum cable size (rigid/flexible)                        | 50 / 35 mm <sup>2</sup> |
| DC Maximum operational voltage (Ue max)           | 440 V            | Maximum busbar width                                       | -                       |
| Rated insulation voltage (Ui)                     | 800 V            | Rated tightening torque                                    | 6 Nm                    |
| Rated impulse withstand voltage (Uimp)            | 8 kV             | Pre-arrangement for lock in OFF position                   | Yes (ø6 mm max)         |
| Rated short-time withstand current for 1s (Icw)   | 2,5 kA           | Height                                                     | 94 mm                   |
| Rated short-circuit current making capacity (Icm) | 12 kA            | Width (mm)                                                 | 108                     |
| Conditional short-circuit current with fuse (Icc) | 100 kA (gG 100A) | Depth                                                      | 50 mm                   |
| Power dissipation per pole                        | 3,1 W            | Weight (kg)                                                | 0.68                    |

#### AC RATED OPERATIONAL CURRENT (Ie)

|                           |               |                           |                                                     |
|---------------------------|---------------|---------------------------|-----------------------------------------------------|
| AC-20A / AC-20B (690V AC) | 100 A / 100 A | DC-20A / DC-20B (220V DC) | 100 A / 100 A                                       |
| AC-21A / AC-21B (400V AC) | 100 A / 100 A | DC-20A / DC-20B (400V DC) | -                                                   |
| AC-21A / AC-21B (500V AC) | 100 A / 100 A | DC-20A / DC-20B (440V DC) | 100 A / 100 A (2 poles in series for each polarity) |
| AC-21A / AC-21B (690V AC) | 80 A / 80 A   | DC-20A / DC-20B (500V DC) | -                                                   |
| AC-22A / AC-22B (400V AC) | 100 A / 100 A | DC-21A / DC-21B (220V DC) | 100 A / 100 A (2 poles in series for each polarity) |
| AC-22A / AC-22B (500V AC) | 100 A / 100 A | DC-21A / DC-21B (400V DC) | -                                                   |
| AC-22A / AC-22B (690V AC) | 40 A / 40 A   | DC-21A / DC-21B (440V DC) | 40 A / 40 A (2 poles in series for each polarity)   |
| AC-23A / AC-23B (400V AC) | 63 A / 63 A   | DC-21A / DC-21B (500V DC) | -                                                   |
| AC-23A / AC-23B (500V AC) | 50 A / 50 A   | DC-22A / DC-22B (220V DC) | 100 A / 100 A (2 poles in series for each polarity) |
| AC-23A / AC-23B (690V AC) | 25 A / 25 A   | 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

STANDARDS/APPROVALS

