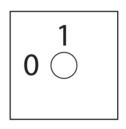


# Cod. IBX1503012UARMC





# Position



# Standard and Approvals

• Switch according to IEC 60947-3:2021

CE

# Technical features: Enclosure

- ABS double insulation thermoplastic enclosure, UV resistant
- Yellow plate 36x36 mm and red padlockable knob (up to 3 padlocks)
- Switching angle: 90°
- Cover interlock in "ON" position
- Front drive
- IP65 Protection degree
- Fixing enclosure: 4 screws at 60x115 mm or 97x142 mm
- Cover fixing screws tightening torque: 1,4 Nm ±10%
- 4x MC4 connectors (2x each side), model STAUBLI EVO2 reference 32.0347P0001 and 32.0346P0001
- IN+/- and OUT+/- markings

# Technical features: DC disconnect switch

- Rated operational current in the enclosure (Ie): 50 A
- Rated operational voltage in the enclosure (Ue): 1000 V
- Rated thermal current (Ith): 50 A
- Rated insulation voltage (Ui): 1500 V
- Switching angle: 90°
- Class V0 self-extinguishing thermoplastic housing
- Assembled with metal shaft to ensure maximum operating reliability

#### Layer 3 4 1 2 Marking +1 -1 Е Е м 6 9 Р lo 0 т т 8 a Y Marking -1 +1 0/OFF I/ON Х Х

### Electrical diagram

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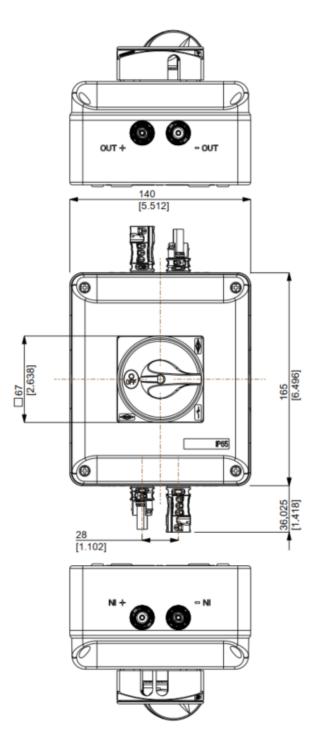


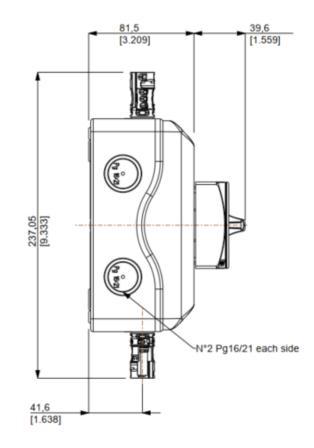
Bremas Ersce S.p.A. Via Castellazzo 9 – 20040 Cambiago (MI) Tel +39 02 95651611 Fax+39 02 95651639 www.bremas.it info@bremas.it ISO 9001 Certified Quality System

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## Dimensions

measures in mm [in]





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# **IBX1503012UARMC**

#### Technical data of the DC disconnect switch

#### Technical data according to IEC 60947-3:2021

| rechnical uata according to rec 60947-3.2021              |      |      |                      |      |
|---|------|------|----------------------|------|
| Utilization category                                      |      |      | PV1 (DC-21B)         | PV2  |
| Rated operational voltage                                 | Ue   | V dc | 1500                 | 1500 |
| Rated operational current                                 | le   | Adc  | 20                   | 8    |
| Rated operational voltage (second rating)                 | Ue   | V dc | 1300                 | 1300 |
| Rated operational current (second rating)                 | le   | Adc  | 25                   | 10   |
| Rated operational voltage (third rating)                  | Ue   | V dc | 1250                 | 1250 |
| Rated operational current (third rating)                  | le   | Adc  | 30                   | 12   |
| Rated operational voltage (fourth rating)                 | Ue   | V dc | 1000                 | 1000 |
| Rated operational current (fourth rating)                 | le   | Adc  | 50                   | 20   |
| Rated operational voltage (fifth rating)                  | Ue   | V dc | 800                  | 800  |
| Rated operational current (fifth rating)                  | le   | Adc  | -                    | 30   |
| Rated operational voltage (sixth rating)                  | Ue   | V dc | 700                  | 700  |
| Rated operational current (sixth rating)                  | le   | A dc | -                    | 40   |
| Rated thermal current                                     | lth  | Α    | 50                   |      |
| DC Poles  |      | Nr.  | 2                    |      |
| Rated conditional short-circuit current                   |      | kA   | 5                    |      |
| Rated insulation voltage                                  | Ui   | V dc | 1500                 |      |
| Rated impulse withstand voltage                           | Uimp | kV   | 8                    |      |
| Rated short-time withstand current (1 s)                  | Icw  | Α    | 780                  |      |
| Rated short-circuit making capacity                       | Icm  | kA   | 1,4                  |      |
| Power loss per layer at 20 A / 50 A                       |      | W    | 0,2/1,25             |      |
| Maximum size of the fuse for the short-circuit protection | gPV  | Α    | 50                   |      |
| Ambient conditions  |      |      |                      |      |
| Pollution degree ins.                                     |      |      | 2                    |      |
| Operational ambient temperature                           |      | °C   | -30 ÷ +50            |      |
| Storage ambient temperature                               |      | °C   | -30 ÷ +85            |      |
| Damp heat test IEC 60068-2-30                             |      |      | 90-100% RH at +55 °C |      |
|   |      |      |                      |      |

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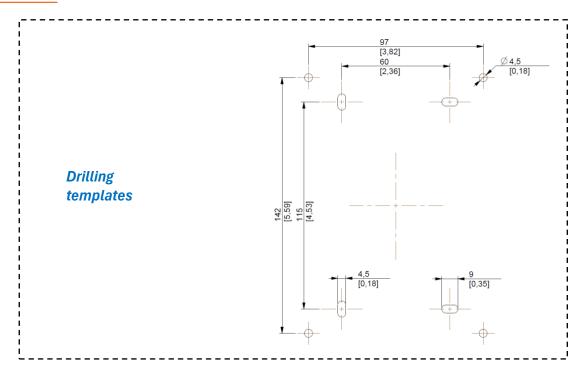
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CE



#### Dimensions



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