FB150301MUA2MC

Enclosed solution – Plug and play

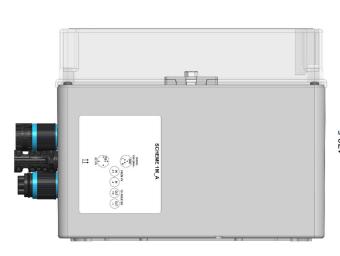


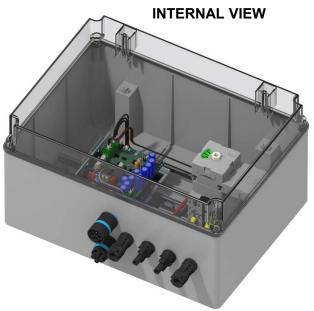
edition 04 : data 21/01/2025 BREMAS

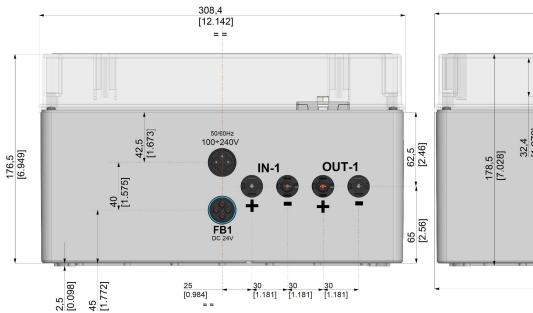
BETTER SWITCHES

228,4

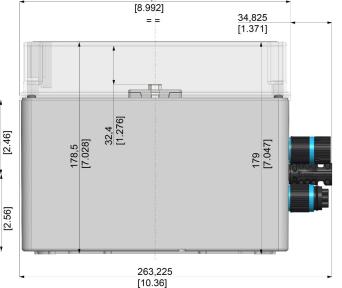
Via Castellazzo 9 - 20040 Cambiago (MI) Tel +39 02 95651611 Fax +39 02 95651639 www.bremas.it info@bremas.it ISO 9001 Certified Quality System





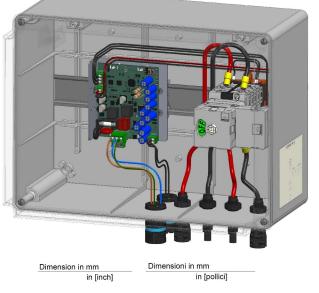


CE









@2017 Copyright Bremas Ersce. Subject to change without notice and errors excepted. Data reported in this paper are carefully checked and represent typical values of series productions. The descriptions of the device and its applications, contexts of use, details of external controls, information and operation are provided to the best of our knowledge. In any case, this does not mean from the features described it may derive legal responsibilities that extend beyond the "Terms and Conditions of sales" of Bremas Ersce. The customer / user must examine our information and recommendations and the relevant technical regulations before using the products its own purpose.

FB150301MUA2MC

Enclosed solution – Plug and play

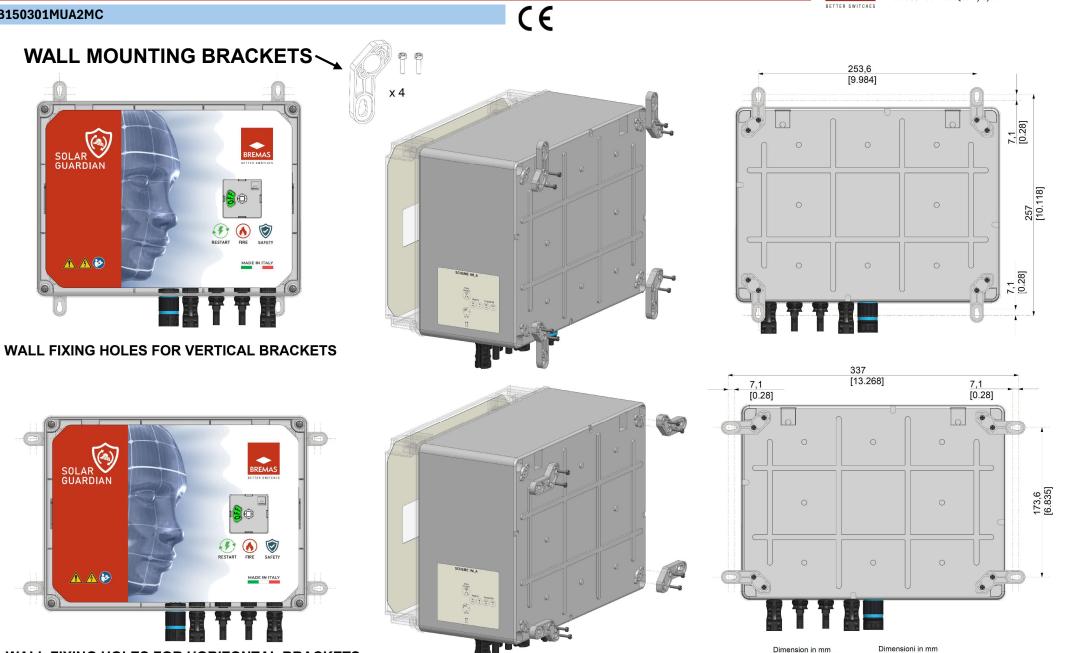


edition 04 : data 21/01/2025 BREMAS BETTER SWITCHES

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

in [pollici]

in [inch]



WALL FIXING HOLES FOR HORIZONTAL BRACKETS

@2017 Copyright Bremas Ersce. Subject to change without notice and errors excepted. Data reported in this paper are carefully checked and represent typical values of series production. The descriptions of the device and its applications, contexts of use, details of external controls, information and operation are provided to the best of our knowledge. In any case, this does not mean from the features described it may derive legal responsibilities that extend beyond the "Terms and Conditions of sales" of Bremas Ersce. The customer / user must examine our information and recommendations and the relevant technical regulations before using the products its own purpose.

Enclosed solution – Plug and play

### FB150301MUA2MC



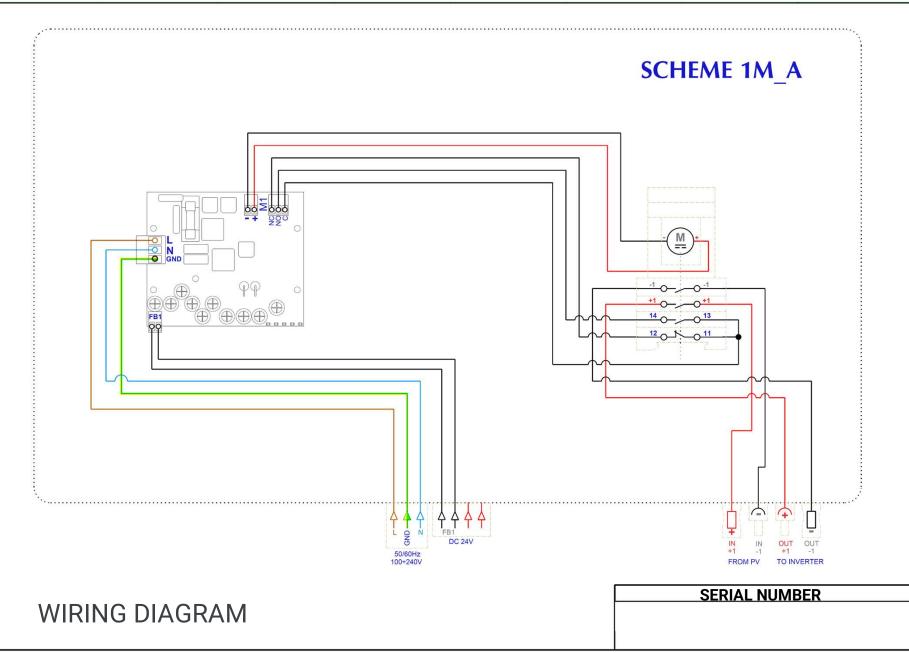
Bremas Ersce S.p.A. Via Castellazzo 9 – 20040 Cambiago (MI) Tel +39 02 95651611 Fax +39 02 95651639 www.bremas.it info@bremas.it ISO 9001 Certified Quality System

CE

| Ui<br>Uimp<br>Ith | V<br>kV                            | 15  | 00  |
|-------------------|------------------------------------|---|---|
|                   | kV                                 |   |   |
| lth               |                                    | 8   |   |
|                   | А                                  | 50  |   |
|                   | W                                  | 0,2 / 1,25  |   |
|                   |                                    |   |   |
|                   |                                    | 1   |   |
|                   |                                    | PV1   | PV2   |
| le                | А                                  | 20  | 8   |
| le                | А                                  | 25  | 10  |
| le                | А                                  | 30  | 12  |
| le                | А                                  | 50  | 20  |
| le                | А                                  | -   | 30  |
| le                | А                                  | -   | 40  |
|                   |                                    |   |   |
|                   | kA                                 | 5   |   |
| gPV               | А                                  | 50  |   |
| lcw               | А                                  | 780   |   |
| lcm               | kA                                 | 1,4   |   |
|                   |                                    |   |   |
|                   |                                    | MC4 plug-in connector   |   |
|                   |                                    |   |   |
|                   |                                    | IP56  |   |
|                   |                                    |   |   |
|                   |                                    | 2   |   |
|                   | °C                                 | -30 ÷ +85   |   |
|                   | °C                                 | -30 ÷ +85   |   |
|                   |                                    | 90-100% RH at +55 °C  |   |
|                   | le<br>le<br>le<br>le<br>gPV<br>lcw | Ie A   Icw A   Icm KA   Icm Icm | Image: Normal State |

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

#### FB150301MUA2MC



CE

@2017 Copyright Bremas Ersce. Subject to change without notice and errors excepted. Data reported in this paper are carefully checked and represent typical values of series production. The descriptions of the device and its applications, contexts of use, details of external controls, information and operation are provided to the best of our knowledge. In any case, this does not mean from the features described it may derive legal responsibilities that extend beyond the "Terms and Conditions of sales" of Bremas Ersce. The customer / user must examine our information and recommendations and the relevant technical regulations before using the products its own purpose.

Enclosed solution – Plug and play

### MINI-PLUG-SOCKET CONNECTOR IP66/IP68



|   |    |    | N |  |
|---|----|----|---|--|
|   | Z. |    |   |  |
|   |    |    |   |  |
| M |    | U. | 1 |  |
|   | 2  |    |   |  |

| Number of poles   | 2 - 3 - 4 poles   |                  |  |
|---|---|------------------|--|
| Type of contact   | Screw / Piercing  |                  |  |
| Rated current   | 17.5A AC (IEC)<br>15A AC (UL / CSA)   |                  |  |
| Nominal Tension   | 500V AC<br>250V AC (use class II)<br>600V AC / DC (UL / CSA)                              |                  |  |
| Impulse withstand voltage                                     | 4kV   |                  |  |
| Degree of protection (IP6x)                                   | IP66 / IP68 (30m / 3h)  |                  |  |
| Conductor section<br>rigid / flexible<br>min. – max.          | $0.5\ \text{mm}^2-4.0\ \text{mm}^2$ (Screw) $0.5\ \text{mm}^2-1.5\ \text{mm}^2$ (Piercing |                  |  |
| Cable diameter  | ٠   | 7.0 mm – 12.0 mm |  |
| min. – max. <sup>e</sup> )<br>Connector / gasket<br>materials | PA66 GF UL94<br>V0 / V2 TPE<br>Halogen Free / Silicone Free                               |                  |  |
| Ambient<br>Temperature<br>min max.                            |   | -40°C/+125°C     |  |
| Norm  | EN61984<br>UL2238 C22.2 No 182.3  |                  |  |

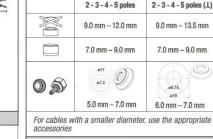
#### ASSEMBLY ILLUSTRATIONS



20 mm (X) Peeling of the 6 mm conductor (Y) FIG. 1

Remove the insulation from the cable and conductors according to the specifications indicated. Insert the cable through the nut, the grommet and the body of the cable gland. Check the correct use of the grommet with respect to the cable to be installed in the connector as indicated in Fig. 1b.





Grommet /

Adapter

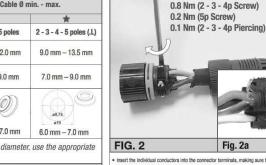
U

IT 24 mm

FIG. 1b

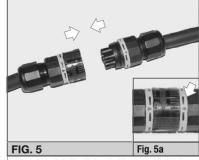
Cable Ø min. - max.

max. 2.5 Nm



edition 04 : data 21/01/2025

Fig. 2a Insert the individual conductors into the connector terminals, making sure they are correctly positioned (Fig. 2a - example of incorrect installation). Turn the cable tightening screws clockwise (max. 0.2 Nm) for the 5 poles, (max. 0.8 Nm) for the 2 - 3 - 4 poles Screw and (max. 0.1 Nm) for Piercing versions.



 Make sure the correct orientation of the plug and socket connectors as indicated by the arrow (Fig. 5a). · Join the pre-wired connectors together, until reaching the limit switch ensuring correct coupling.

## 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



BREMAS

BETTER SWITCHES

|  | S Visible ring   |   |
|--|--|---|
| FIG. 3   | Fig. 3a  | FIG. 4  |
| Then, insert the gromme<br>make sure to insert the g<br>orientation: the indicated | ie connector, then turn it clockwise (max. 2.0 Nm).<br>t into the cable gland (Fig. 3a – in case of a double grommet,<br>grommet into the cable gland according to the correct<br>ring must be visible).<br>I is installed and screwed correctly onto the connector (Fig. 3b). | There, join the nut and notable if clockwise using the quick lightnoing wrench max. 2.5 Nm<br>The key will alig when you have reached the optimum torque. It is possible fix the nut also by using common use bode (24 mm – max. 2.5 Nm). |
|  | max. 1.0 Nm  |   |



@2017 Copyright Bremas Ersce. Subject to change without notice and errors excepted. Data reported in this paper are carefully checked and represent typical values of series production. The descriptions of the device and its applications, contexts of use, details of external controls, information and operation are provided to the best of our knowledge. In any case, this does not mean from the features described it may derive legal responsibilities that extend beyond the "Terms and Conditions of sales" of Bremas Ersce. The customer / user must examine our information and recommendations and the relevant technical regulations before using the products its own purpose.