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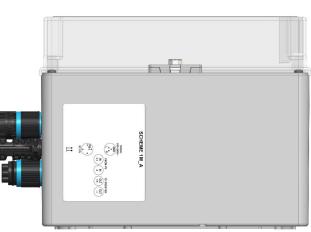
Enclosed solution – Plug and play

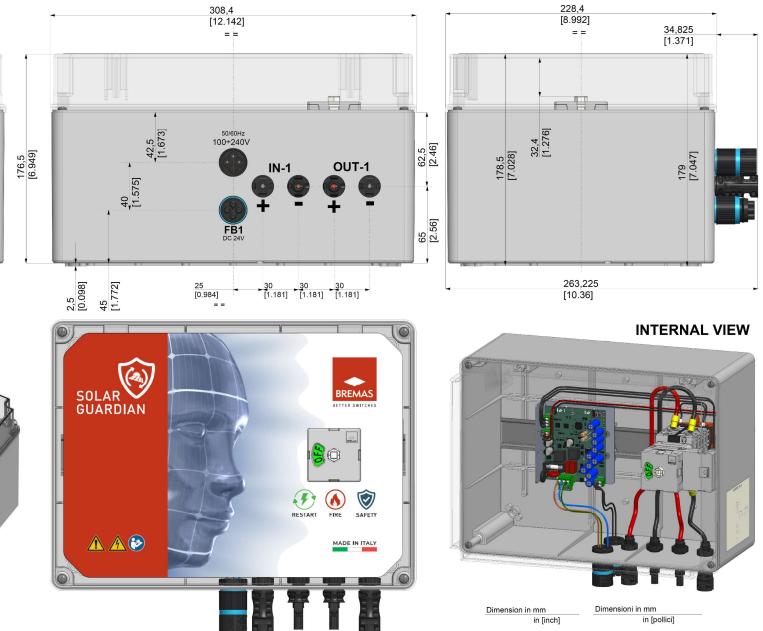


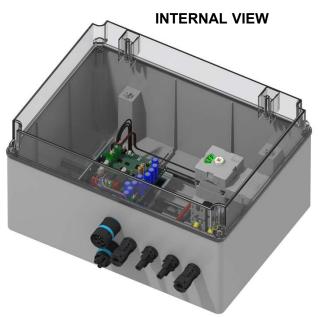
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CE

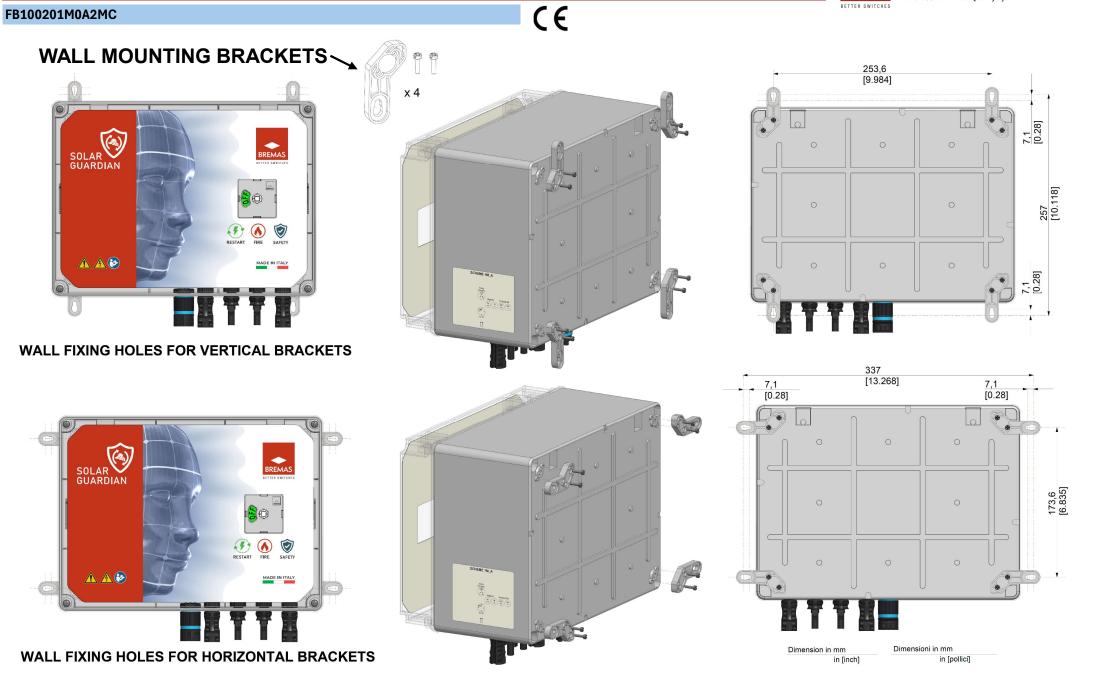
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### Enclosed solution – Plug and play

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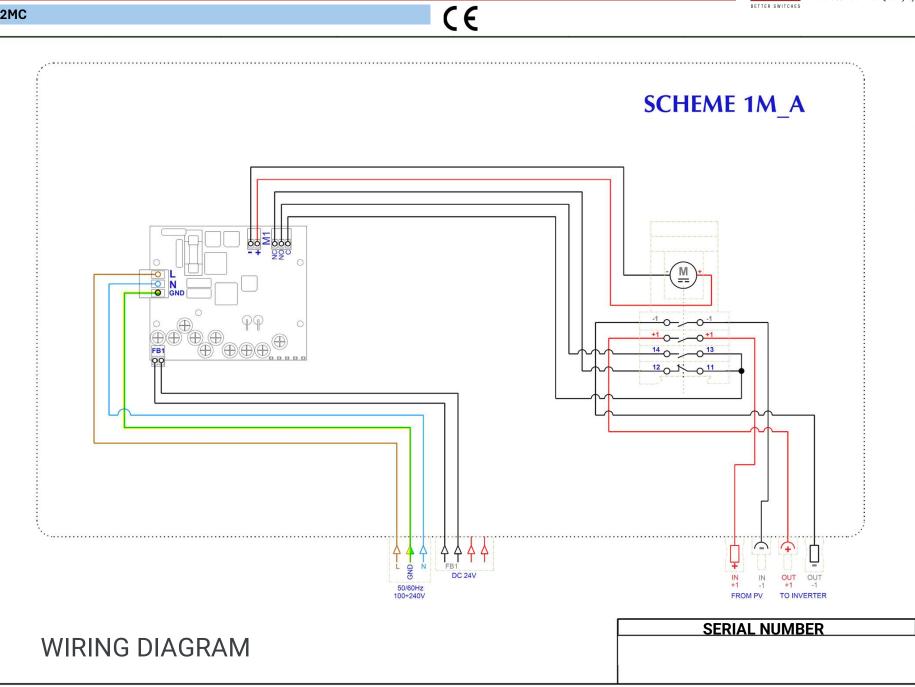
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Rated insulation voltage	Ui	V	1500	
Rated impulse withstand voltage	Uimp	kV	8	
Rated thermal current	lth	А	50	
Power loss per layer at 20 A / 50 A		W	0,2 / 1,25	
DC inputs				
Number of inputs				1
Utilization category			PV1	PV2
Rated operational current at 1100 V	le	A	12	5
Rated operational current at 1000 V	le	А	20	10
Rated operational current at 750 V	le	А	32	18
Rated operational current at 700 V	le	А	40	20
Rated operational current at 500 V	le	А	50	-
Short circuit protection				
Rated conditional short-circuit current		kA	5	
Max fuse size for short circuit protection	gPV	A	50	
Rated short-time withstand current (1 s)	Icw	А	780	
Rated short-circuit making capacity	lcm	kA	1,4	
Terminals				
Connection type			MC4 plug-in connector	
Protection degree IEC EN 61439-2				
Solution in box			IP56	
Ambient conditions				
Pollution degree			2	
Operational ambient temperature		°C	-30 ÷ +85	
Storage ambient temperature		°C	-30 ÷ +85	
Damp heat test IEC 60068-2-30			90-100% RH at +55 °C	

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



			N	
	Z.			
M		U.	1	
	2			

Number of poles	4	2 - 3 - 4 poles
Type of contact		Screw / Piercing
Rated current	17.5A AC (IEC) 15A AC (UL / CSA)	
Nominal Tension	500V AC 250V AC (use class II) 600V AC / DC (UL / CSA)	
Impulse withstand voltage	4kV	
Degree of protection (IP6x)	IP66 / IP68 (30m / 3h)	
Conductor section rigid / flexible 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> ) Connector / gasket materials		PA66 GF UL94 V0 / V2 TPE Halogen Free / Silicone Free
Ambient Temperature min max.		-40°C/+125°C
Norm	EN61984 UL2238 C22.2 No 182.3	

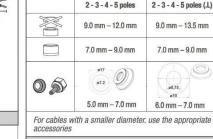
#### ASSEMBLY ILLUSTRATIONS



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

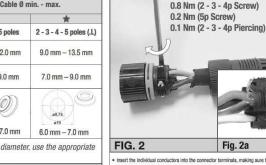
U

IT 24 mm

FIG. 1b

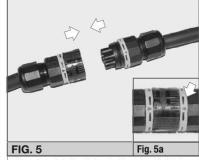
Cable Ø min. - max.

max. 2.5 Nm



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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.

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	S Visible ring	
FIG. 3	Fig. 3a	FIG. 4
Then, insert the gromme make sure to insert the g orientation: the indicated	ie connector, then turn it clockwise (max. 2.0 Nm). t into the cable gland (Fig. 3a – in case of a double grommet, grommet into the cable gland according to the correct ring must be visible). I is installed and screwed correctly onto the connector (Fig. 3b).	There, join the nut and notable it clockwise using the quick lightnoing wrench max. 2.5 Nm 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	



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