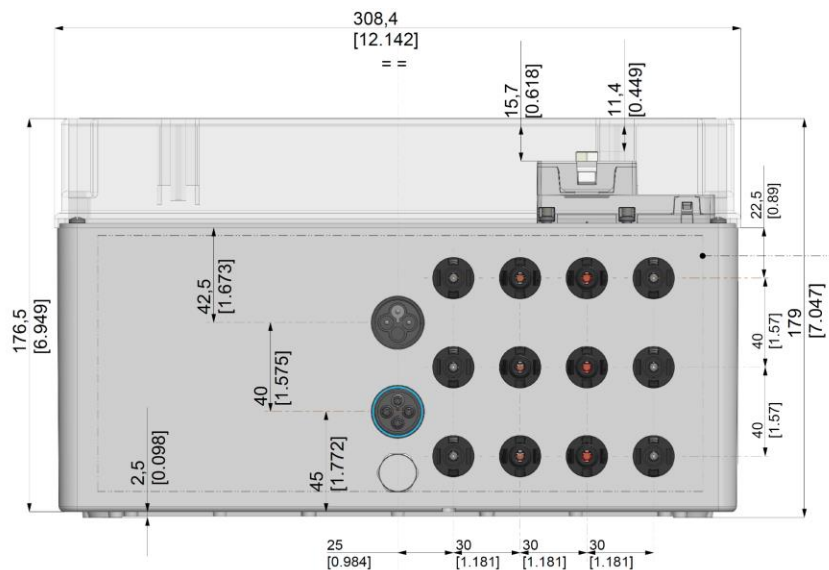
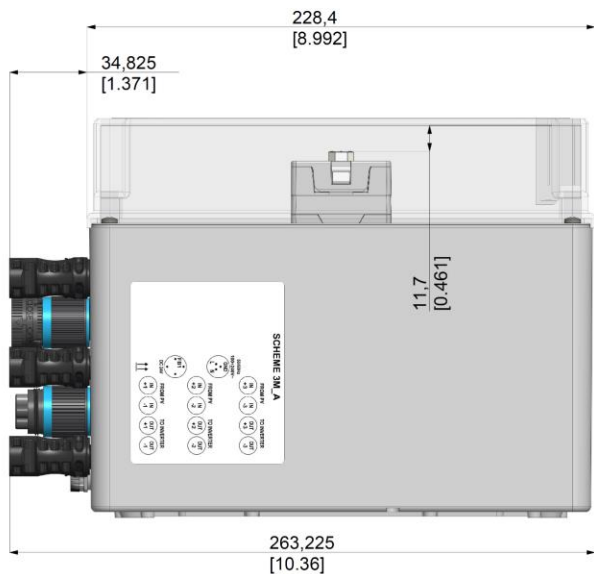
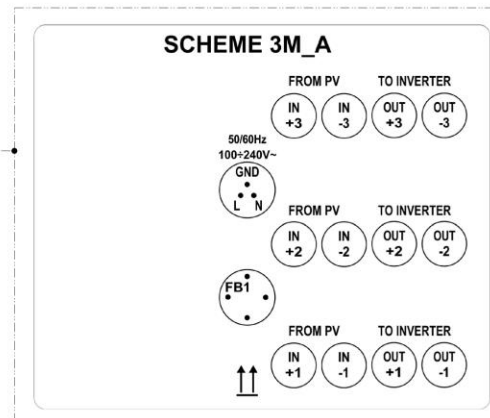


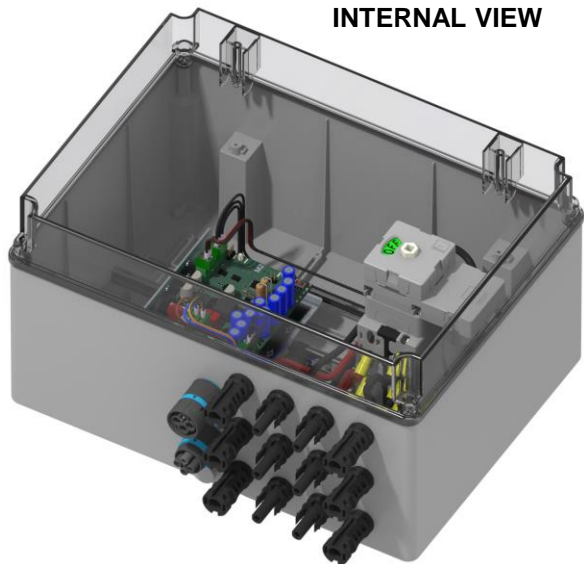
FB150303MUA2MC



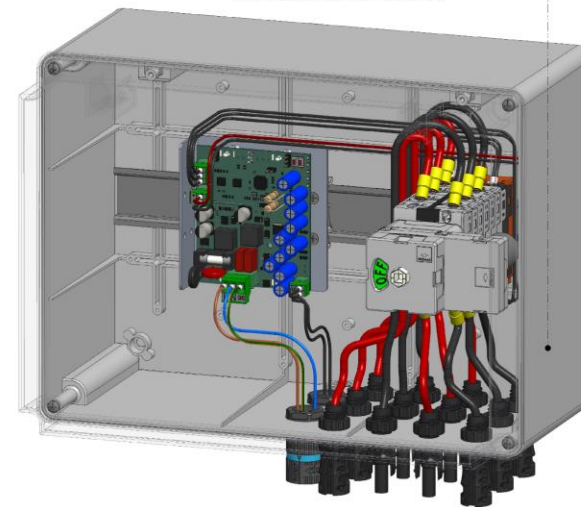
ELECTRICAL CONNECTION INDICATIONS LABEL



INTERNAL VIEW



INTERNAL VIEW



Dimension in mm
in [inch]

Dimensioni in mm
in [pollici]

FB150303MUA2MC



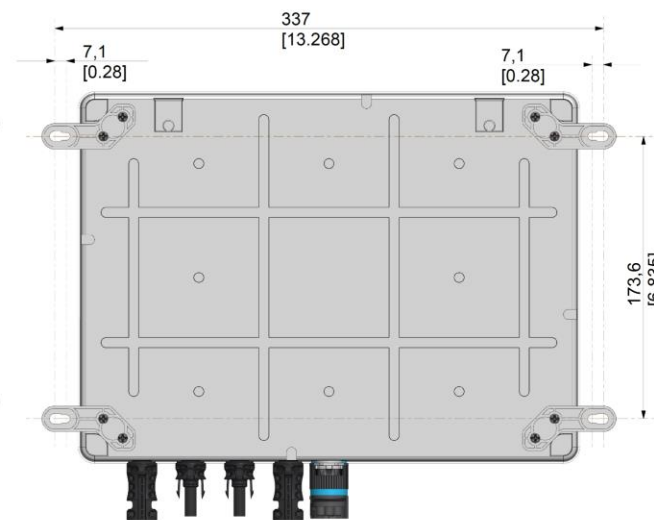
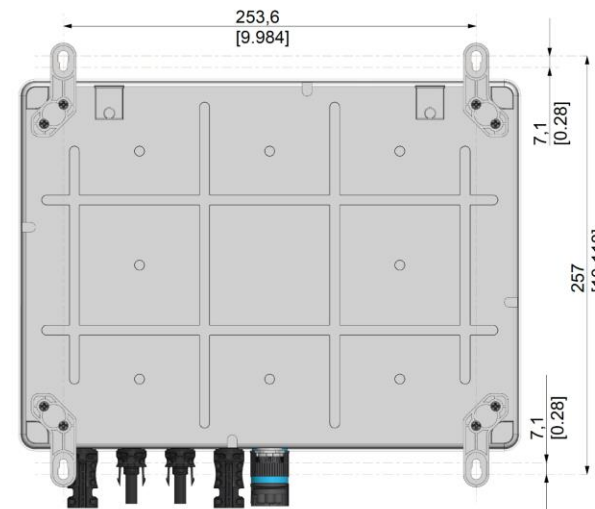
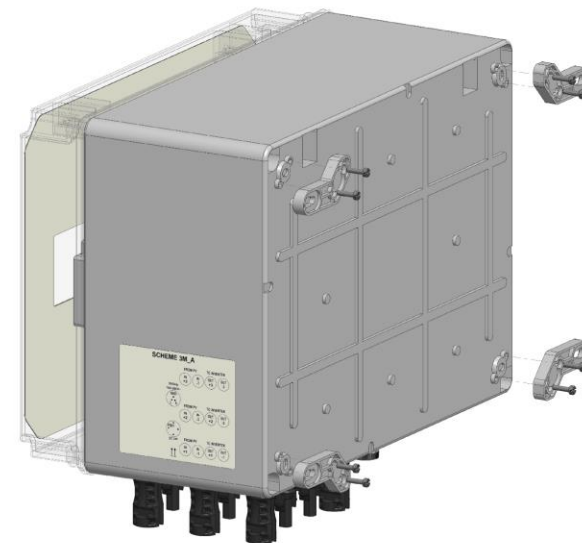
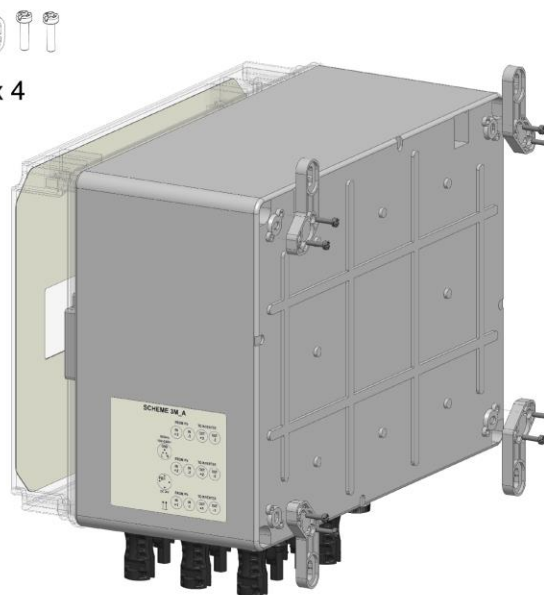
WALL MOUNTING BRACKETS



WALL FIXING HOLES FOR VERTICAL BRACKETS



WALL FIXING HOLES FOR HORIZONTAL BRACKETS



Dimension in mm in [inch] Dimensioni in mm in [pollici]

FB150303MUA2MC

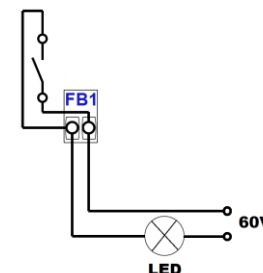
POWER CONNECTORS(DC)

Technical data according to IEC 60947-3				
Rated insulation voltage	Ui	V	1500	
Rated impulse withstand voltage	Uimp	kV	8	
Rated thermal current	Ith	A	50	
DC inputs				
Number of inputs			1	
Utilization category			PV1	PV2
Rated operational current at 1500 V	Ie	A	20	8
Rated operational current at 1300 V	Ie	A	25	10
Rated operational current at 1250 V	Ie	A	30	12
Rated operational current at 1000 V	Ie	A	50	20
Rated operational current at 800 V	Ie	A	-	30
Rated operational current at 700 V	Ie	A	-	40
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	A	780	
Rated short-circuit making capacity	Icm	kA	1,4	
Terminals on the products				
Panel MC4 plug-in connectors STAUBLI EVO2		Female	32.0346P0001	
Panel MC4 plug-in connectors STAUBLI EVO2		Male	32.0347P0001	
Terminals recommended for the installation				
Coupler MC4 plug-in connectors STAUBLI EVO2		Female	32.0318P0001	
Coupler MC4 plug-in connectors STAUBLI EVO2		Male	32.0319P0001	
Protection degree IEC EN 61439-2				
Solution in box			IP56	
Ambient conditions				
Pollution degree			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	
Protection Temperature				
Temperature for automatic shutdown		°C	+100	

AUXILIARY CONNECTORS

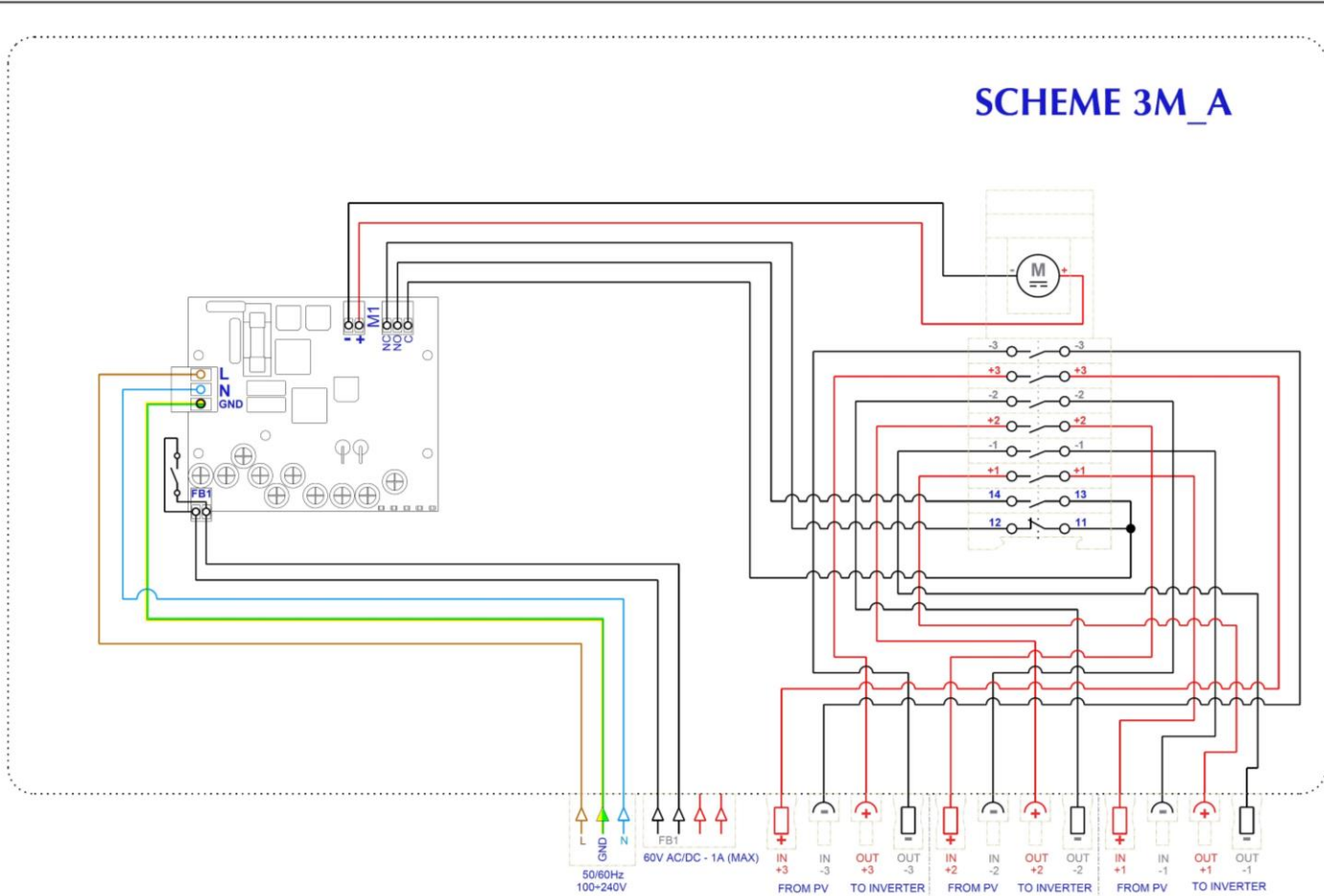
L-N-GND Connector			
Rated operational voltage	Ui	VAC	500
Working frequency		Hz	50÷60
Rated impulse withstand voltage	Uimp	kV	4
Rated operational current	Ie	A	17,5
Nominal operating voltage	Un	VAC	100÷240
Nominal power dissipation	Max	W	10
Nominal current	In	mA	40 (at 230V)
Degree of protection			IP68
Connection type			M3 screws
Tightening torque	Max	Nm	0,8
Cross-section of flexible/solid wires	Min-Max	mmq	0,5 ... 4
Cable diameter	Min-Max	mm	7... 12
Operational ambient temperature		°C	-40 ÷ +125
FB1 Connector			
Rated operational voltage	Ui	VAC/DC	500
Working frequency		Hz	50÷60
Rated impulse withstand voltage	Uimp	kV	4
Rated operational current	Ie	A	17,5
Nominal operating voltage of contact	Max	VAC/DC	60
Nominal external power of contact	Max	W	60
Nominal current of contact	Max	A	1
Degree of protection			IP68
Connection type			M3 screws
Tightening torque	Max	Nm	0,8
Cross-section of flexible/solid wires	Min-Max	mmq	0,5 ... 4
Cable diameter	Min-Max	mm	7... 12
Operational ambient temperature		°C	-40 ÷ +125

FB1 EXAMPLE OF CONNETION:





SCHEME 3M_A



WIRING DIAGRAM

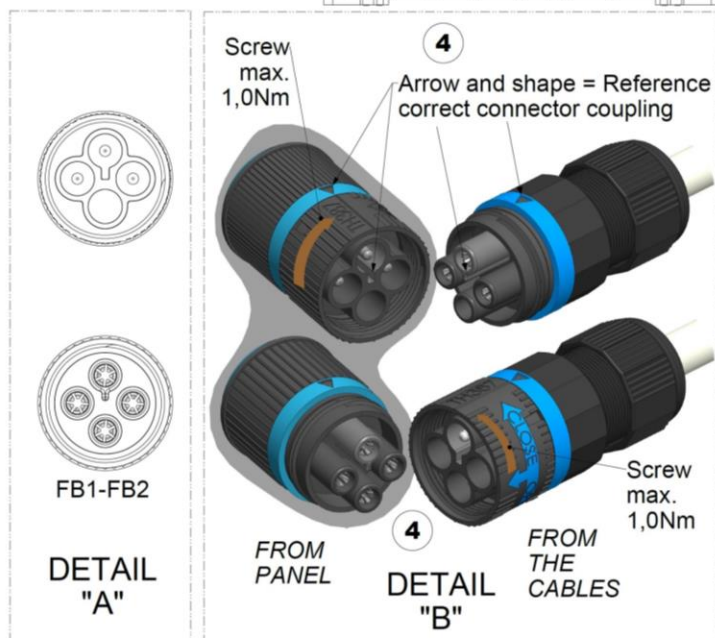
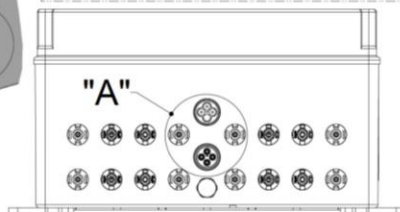
SERIAL NUMBER

MINI-PLUG-SOCKET CONNECTOR IP66/IP68

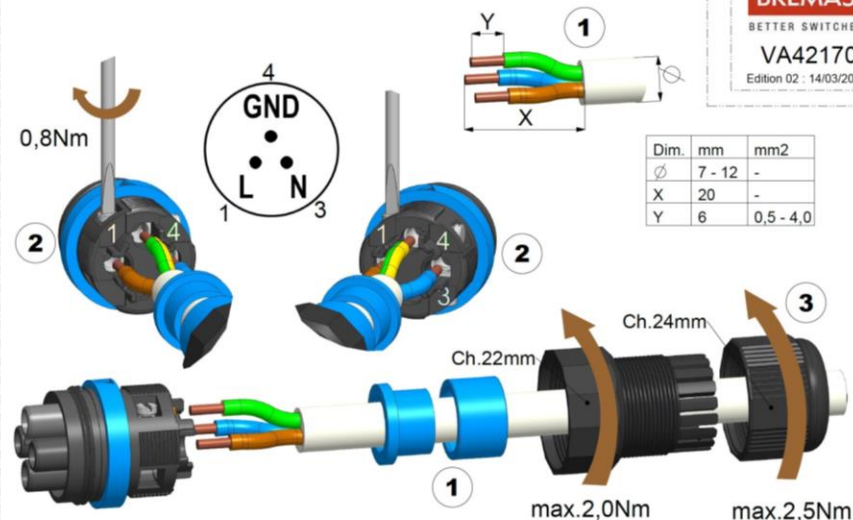
SOLAR GUARDIAN - Plug and play Bremas Series FB



- 1 Strip the wire and insert components on the cable
- 2 Wiring cables
- 3 Assemble connector
- 4 Pair panel connectors with cable connectors



INSTRUCTIONS FOR WIRING POWER CONNECTOR



INSTRUCTIONS FOR WIRING FB1 and FB2 SIGNAL CONNECTOR

