



Combiner Boxes Zone Monitoring

16 up to 32 input - 1.500V

Technical data				
Type code	SB 1615	SB 2015	SB 2415	SB 3215
Combiner box	IA0.598.116	IA0.598.120	IA0.598.124	IA0.598.132
Max voltage (V _{cc})			1.500 V	
N° of DC+ input	16	20	24	32
N° of DC- input	16	20	24	32
Max. input short-circuit current (I _{sc} STC) ¹⁾			12,5 A	
Max. output short-circuit current (I _{sc} STC)	220 A		300 A	360 A
SPD protection			SPD Type II 15 kA / 40 kA	
Housing				
Housing	GRP (Glass fiber reinforced polyester)			
Door / Opening angle / Lock	Blind /> 120° / Standard			
Housing Dimensions (DxWxH mm)	550x270x650			618x325x822
Weight	22 Kg	24 Kg	26 Kg	36 Kg
External protection degree	IP65			
Open door protection degree	IP20			
Safety class	Class II			
Colour	RAL 7035			
Environmental data				
Operating temperature	-20° C / +50° C			
Storage	-40° C / +70° C			
Height above the sea ¹⁾	up to 4.000 m			
Humidity	0-95% (non condensing)			
DC input				
Input cable entry	Cable gland			
Input connection	Directly on fuse holder			
Conductor cross section	4 - 6 mmq			
Fuse Type	10x85 - gPV Type curve			
Fuse size (A _{bc})	Up to 20 A			
N° fuse	32	40	48	64
DC Output				
Output cable gland ¹⁾	nr 1 PG per pole			
Clamping Area	17-38 mm			
Conductor material	Copper or aluminium			
Terminal type	Copper bus-bar with M12 screw			
Voltage DC switch	1.500 V _{DC}			
Current DC switch (DC-21B) ¹⁾	250 A		400 A	

1) Derating of VN versus altitude. 1.0 % per 100 m from 2.001 m to 3.000 m.
1.2 % per 100 m from 3.001 m to 4.000 m.

(*) Contact factory for different value

Warnings: to feed the electronic devices of the string box control unit is required an

auxiliary external single-phase power supply 230 V_{ac} (L + N).
Please note that the string box doesn't contain blocking diodes.

Remark. Features not specifically listed in the present data sheet are not included in the product.



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