



# Combiner Boxes Zone Monitoring with fuse up to 50A

8 up to 10 input - 1.500V

Technical data			
Type code	SB 0815-50	SB 0925-50	SB 015-50
Combiner box	IA0.591.108	IA0.591.109	IA0.591.110
Max voltage (V <sub>cc</sub> )	1.500 V		
N° of DC+ input	8	9	10
N° of DC- input	8	9	10
SPD protection	SPD 1.500V <sub>dc</sub> Class II		
SPD I <sub>scpv</sub>	6.000 A		
<b>Housing</b>			
Housing	GRP (Glass fiber reinforced polyester)		
Door / Opening angle / Lock	Blind /> 120° / Standard		
Housing Dimensions (DxWxH mm)	550x270x650		
Weight	24 Kg	25 Kg	25 Kg
External protection degree	IP65		
Open door protection degree	IP20		
Safety class	Class II		
Colour	RAL 7035		
<b>Environmental data</b>			
Operating temperature	-20° C / +50° C		
Storage	-25° C / +60° C		
Height above the sea <sup>1)</sup>	up to 2.000 m		
Humidity	0-95% (non condensing)		
<b>DC input</b>			
Input cable entry	Nr 8 M32 with 2 input each one	Nr 9 M32 with 2 input each one	Nr 10 M32 with 2 input each one
Sealing range cable antry (per input)	6 - 11 mm		
Input connection	Directly on fuse holder		
Conductor cross section	10 mm <sup>2</sup>		
Fuse Type	22x65 - gPV Type curve		
Fuse size (A <sub>bc</sub> )	From 30 up to 50 A		
N° fuse	16	18	20
<b>DC Output</b>			
Output cable gland <sup>2)</sup>	nr 1 M50x1.5 (with reduction) per pole		
Clamping Area	17-38 mm		
Conductor material	Copper or aluminium		
Terminal type	Copper lug on copper bus-bar with M12 screw		
Voltage DC switch	1.500 V <sub>dc</sub>		
Max Output short-circuit current I <sub>scBTC</sub>	300 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<sub>ac</sub> (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.**



For more information please contact your local FIMER representative or visit:

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