



Solar Monitor SM3-4ADIO Module Specification

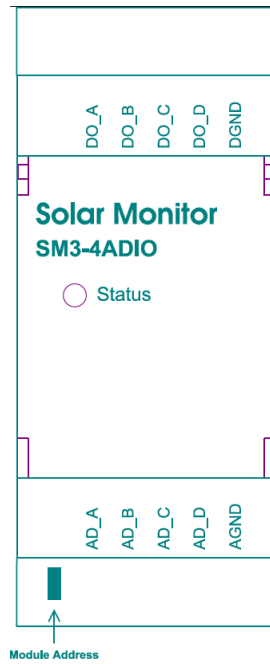
Inputs	
4 x analog	0 – 10 V / 0 – 20 mA ¹
Outputs	
4 x analog	0 – 10 V / 0 – 20 mA ¹
4 x SSR relay	500 mA, 30 V, unipolar, NO ²
Control	
Parametric	From control unit Smx-MU web interface. Outputs can be controlled by power of inverters / MPP trackers / batteries / meters, by sensors or by analog inputs.
Software	Lua scripts via standard API
Interface	
RS485	HBUS (DIN rail, bottom pluggable, no external wires needed)
Max. distance	1200 m
Max. number of modules	2 modules per 1 control unit SMx-MU
Electrical parameters	
Power supply	9 – 39 V DC, max. 50 mA ³ (DIN rail HBUS)
Mechanical parameters	
Dimensions	35,6 x 89,7 x 62,2 mm
Mounting	DIN rail, wall
Screw terminals	Replaceable clamp (Push-in spring connection, direction 0° / 45° / Screw connection with tension sleeve / Screw connection with wire protector, H1L Philips recess with slotted Torx), 0,5 mm ² – 1,5 mm ² cable cores
Protection rating	IP20
Operating temperature	-25 .. +60 °C
LED diodes	Status

1 The terminal can be software configured as an analog input or output, either voltage 0 – 10 V or current 0 – 20 mA.

2 SSR relay 60V, 700mA_{DC}, on-resistance (max) 0.55 Ω, fuse 500 mA, 30 V.

3 For 12V power supply.

Terminal layout



Mechanical dimensions

