

# animeo IP BMS Interface



The BMS Interface provides communication between Building Management Systems and Somfy motorized shading systems. It is compatible with Stand-alone SDN, animeo IP/io and animeo IP/RS485 shade systems.

This interface communicates through a direct connection to the building automation IP network or uses a BACnet translator box to send and receive signals. The BACnet to animeo IP provides third party communication to stand-alone SDN systems and animeo IP.

When utilizing the interface Somfy motorized system devices provide feedback and could be controlled by the BACnet network.

## Installation Advantages

> RJ45 connector for false prove connections.

> LED indicators providing information about the status of the product, the normal operation or a system error.

## Functional Advantages

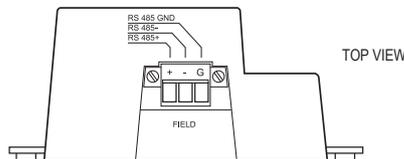
- > Supports up to 1 500 data points.
- > Integration capabilities: Modbus, BACnet MS/TP, BACnet IP.
- > Programmable through user-friendly interface.
- > Auto device discovery for animeo IP.
- > System control for stand-alone SDN - controls individual or motors groups:
  - Position (%) - feedback on motors only
  - Position (absolute) - feedback on motors only

- Intermediate position
- Up, Stop and Down control
- > System control for animeo IP - controls individual or motor groups, sensors and virtual keypads:
  - Position (%) - feedback on motors only
  - Up, Stop and Down control/commands
  - Priority control
  - Sensor data - provides single direction information to BMS system



Ref. 1822558

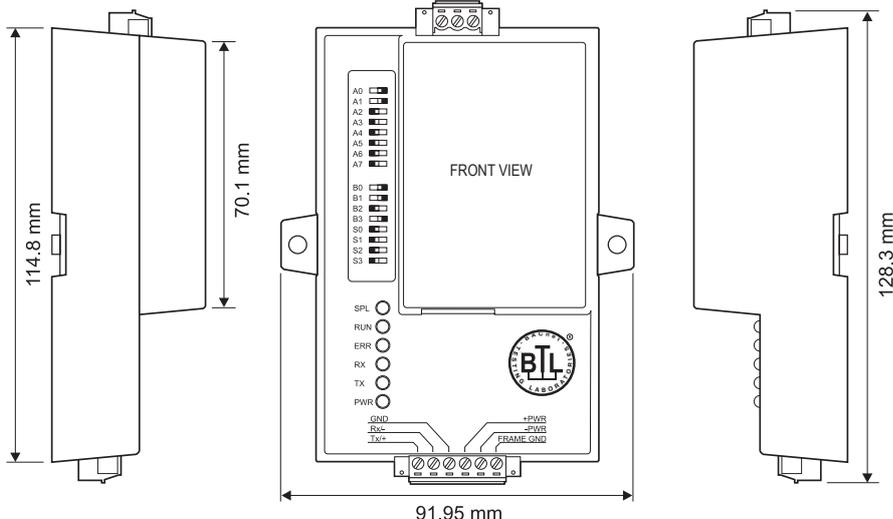
### Field Pinout



TOP VIEW

SIDE VIEW

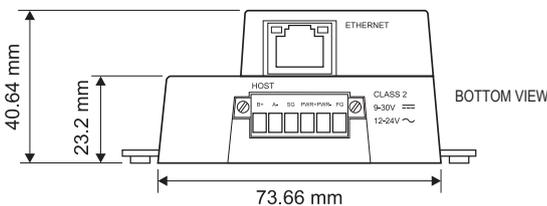
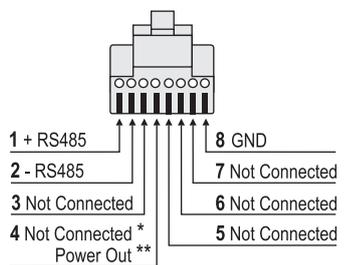
SIDE VIEW



FRONT VIEW

91.95 mm

### Somfy Digital Network Pinout



BOTTOM VIEW

## Characteristics

BMS Interface	Ref. 1822558
Supply voltage	24 V DC
Stand-by current (IEC 62301)	250 mA
Stand-by power (IEC 62301)	2,5 W
Terminals	Screw and RJ45 connectors
Operating temperature	0° C to 50° C
Relative humidity	5 - 90 % RH, non-condensing
Material of housing	ABS plastic
Housing dimensions (w x h x d)	115 x 92 x 41 mm
Weight	450 g
Degree of protection	IP20
Conformity	www.somfy.com/ce

## Wiring

Connection	Cables	Twisted pairs	Max. distance
Somfy Digital Network	CAT5	Required	see "SDN Bus wiring guide" in Somfy Digital Network (RS485) section at <a href="http://www.somfy.com/projects/downloads">www.somfy.com/projects/downloads</a>
Power	Max.: 0.8 mm <sup>2</sup> /18 AWG Min.: 0.5 mm <sup>2</sup> /20 AWG	-	
Ethernet Port	RJ45 CAT5	Required	
Field	Max.: 0.8 mm <sup>2</sup> /18 AWG Min.: 0.32 mm <sup>2</sup> /22 AWG	Required	