1 - TDST animeo Din Rail (1)
TECHNICAL DATASHEET

DOC192737		
TDST 1 - TDST animeo Din Rail (1)		
Date	Index	Page
8/03/2024-09:14:2		1/1

Animeo Din Rail
Ref.   1871430

included in the Animeo Pack ref 1871451

OVERVIEW

The Animeo Din Rail is designed to connect all the devices part of a Animeo suite, an intuitive ecosystem with added-value services to automate solar shading on small- and mid-sized commercial buildings.

Application scope

▪ External solar shading controlled:
  - Roller Shutter,
  - Awning,
  - Screen,
  - External venetian blind

▪ Interior solar shading Controlled:
  - Screen

MAIN FUNCTIONALITIES

INSTALLATION FEATURES

- DIN rail mounting with a width of 7 DIN units
- Modern push-in CAGE CLAMP® connectors for quick installation

FUNCTIONAL FEATURES

- Optimize management of solar shadings for comfort, energy saving and security.
- Full compatibility with Animeo Suite
- Status feedback through color LED
- Push-buttons on the device ease the commissioning
- Wireless communication: io, Zigbee

Technical features

Electrical

Supply voltage / Frequency	110 - 240 V AC / 50 - 60 Hz
Current consumption in normal operation	0.26 A
Stand-by power (IEC 62301)	< 1.5 W

Protection class	II
USB Supply output	5 V DC / 2 A
Maximal input current	2 A

Ethernet	10-100 Mb/s

Temperatures - humidity

Operating temperature range	-10 ° C ... + 50 ° C
Storage temperature range	-20 ° C ... + 70 ° C
Relative humidity	5% ... 90% @25°C

Radio

Radio	Frequency	ERP
io-homecontrol with LBT		
band 1	868.000-868.600 MHz	< 25 mw
band 2	868.700-869.200 MHz	< 25 mw
band 3	869.200-870.000 MHz	< 25 mw
WIFI (IEEE 802.11b/g/n)	2.4000 - 2.4845 GHz	< 100 mw
ZigBee 3.0 (in EU)	2.4000 - 2.4835 GHz	< 10 mw
ZigBee 3.0 (outside EU)	2.4000 - 2.4835 GHz	< 100 mw

Terminals

Terminals	Type	Cables	Shielded	Twisted	Max. Length
Mains	push-in CAGE CLAMP®	Rigid 0.75 mm² / 18AWG - 1.5 mm² / 15AWG	-	-	-
LAN	RJ45	min. Cat. 6	Min FUTP	-	<100m
USB	Type A	-	-	-	<1 m

Specifications

Housing dimensions (w x h x d)	123.5 x 90 x 61 mm
Material of housing	PC-ABS V0
Shock indicator	IK07
Pollution degree	2
Weight	194 g
Max operating altitude	2000m

Certifications / Declarations

CE   UKCA   ACT FOR GREEN   REACH COMPLIANT   RoHS

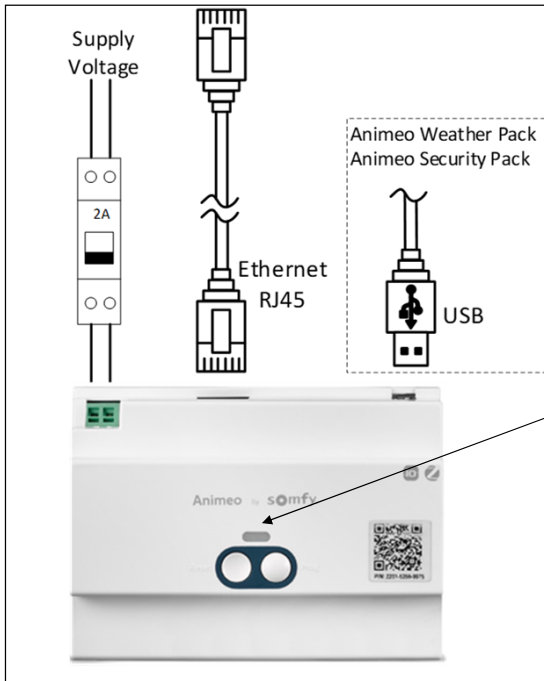| **Conformity declaration**	www.somfy.com/ce

Restrictions

Must be protected by a breaker by respecting of local regulation
Must be installed on din rail in plastic Electrical Cabinet
Max io devices paired: refer to Animeo select and Installation guide

Optional accessories

Animeo Weather Station Pack	ref: 1871452
Animeo building Security Pack	ref: 1871453

Wiring

LED

LED	STATUS	WHAT
Orange	Fix	Reboot
Blue	Breathing	WI-FI Credential waiting
White	Flashing Twice	WI-FI Connection on going
White	Flashing once	Connection to the server on going
White	Fix	Normal running
Red	Flashing twice	Connection to WI-FI failed
Red	Flashing one	Connection to server failed or lost
Geen	Breathing	Ready to be paired to WI-FI PRO APP
Orange	Breathing	Firmware update on going