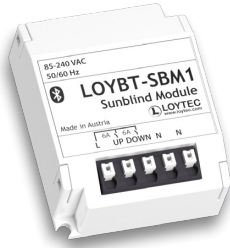


LOYBT-SBM1

Datasheet #89097901



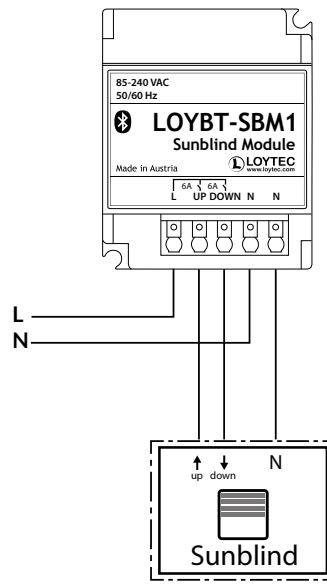
The LOYBT-SBM1 is a compact actuator for sunblinds in a Bluetooth Mesh ecosystem. It is based on a Bluetooth SIG qualified stack and integrates perfectly into the LOYBT product line and LOYTEC controllers with Bluetooth Mesh interface. The device is mains-powered and comes with 2 built-in relay contacts, which are suitable to switch currents of up to 6A at 250 V AC.

The module uses a vendor server model for sunblind control which provides a command set that includes direction and duration information for the blinds connected to the relay outputs. This allows LOYTEC controllers with Bluetooth Mesh interface to control sunblinds wirelessly.

The LOYBT-SBM1 is suited to control a single sunblind-motor.



Sunblind control



Specifications

Dimensions (mm)	51 x 41 x 21 (L x W x H), DIM042
Installation	Distribution box
Power supply	Mains voltage (85V-240V AC), 50/60Hz, typ. 4 mA (@230 V AC), eff. power consumption 200 mW
Maximum switching power	1500 VA @ 250 V AC
Nominal switching capacity	6A @ 250 V AC / inrush currents up to 10A
Relay contact switching voltage	250 V AC
Switching cycles	150000
Interval times	min. switching interval: 200 ms switch-on duration: 70 ms - 655340 ms, infinite resolution: 50 ms
Operating conditions	0 °C to 50 °C, 10 – 90 % RH, noncondensing, degree of protection: IP40, IP20 (terminals)
Interfaces	1 x Bluetooth Interface 2 x Relay
Bluetooth protocol conformance	Declaration ID: Design Number (DN) Q301729 contains qualified designs: 239299 (controller subsystem Bluetooth 5.4), 239354 (host subsystem Bluetooth 5.4) and 226841 (Mesh Protocol 1.1, Mesh Model 1.1)
Bluetooth & RF characteristics	Maximum output power: + 8 dBm Frequency range: 2402 - 2480 Mhz
Terminal blocks	Push Terminals
Connection wires profile	0.2 – 1.5 mm ² (AWG 24 - AWG 16)
Wiring stripping length	8 mm [0.31 in]
For use with	Bluetooth Mesh enabled LOYTEC controller (e.g. LPAD-7)

Order number

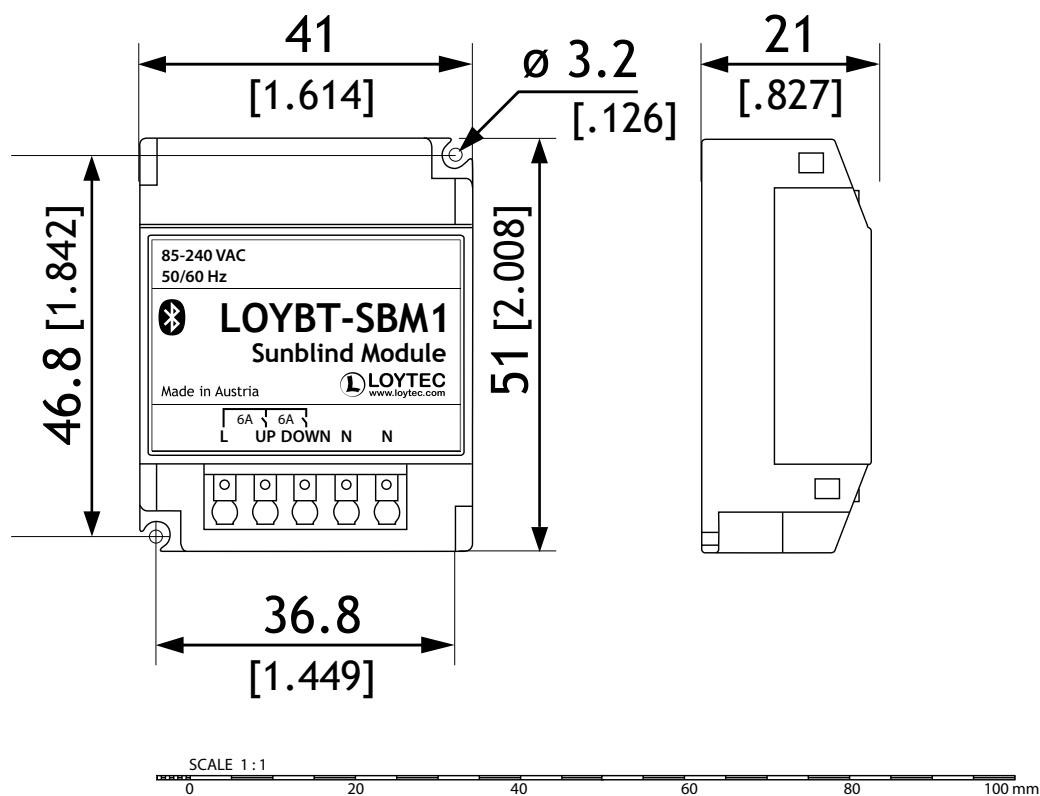
LOYBT-SBM1

Product description

Bluetooth SIG Mesh qualified Sunblind Module, 2 x 6A/250 V AC

Dimensions of the devices in mm and [inch]

DIM042 LOYBT-SBM1



The products of LOYTEC electronics GmbH are subject to constant development. Therefore, LOYTEC reserves the right to modify technical specifications at any time without prior notice. The most recent datasheet can be downloaded from www.loytec.com.