L-DALI Sunblind Module

LOY-DALI-SBM1

BACnet
CEA-709
SMI
✓ DALI
OPC

Datasheet #89087203



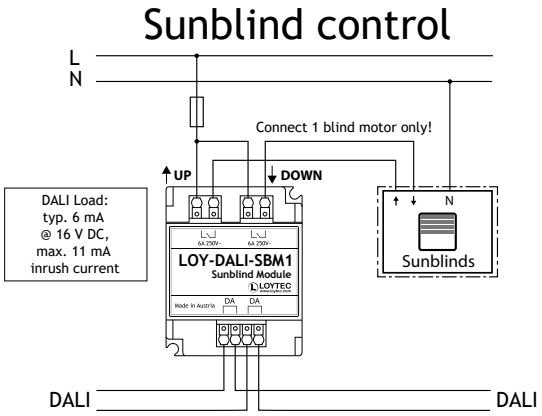
DALI-2

The LOY-DALI-SBM1 is a DALI module for controlling sunblinds. The device is bus powered and comes with 2 built-in relay contacts, which are suitable to switch currents of up to 6A at 250 V AC or 30 V DC.

The device provides 2 operating modes:

The Sunblind-Mode (manufacturer specific operating mode 0x80) is well suited for sunblind control due to an extended command set that includes direction and duration information for the blinds connected to the relay outputs. On LOYTEC controllers the device is automatically configured to be used in this mode.

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

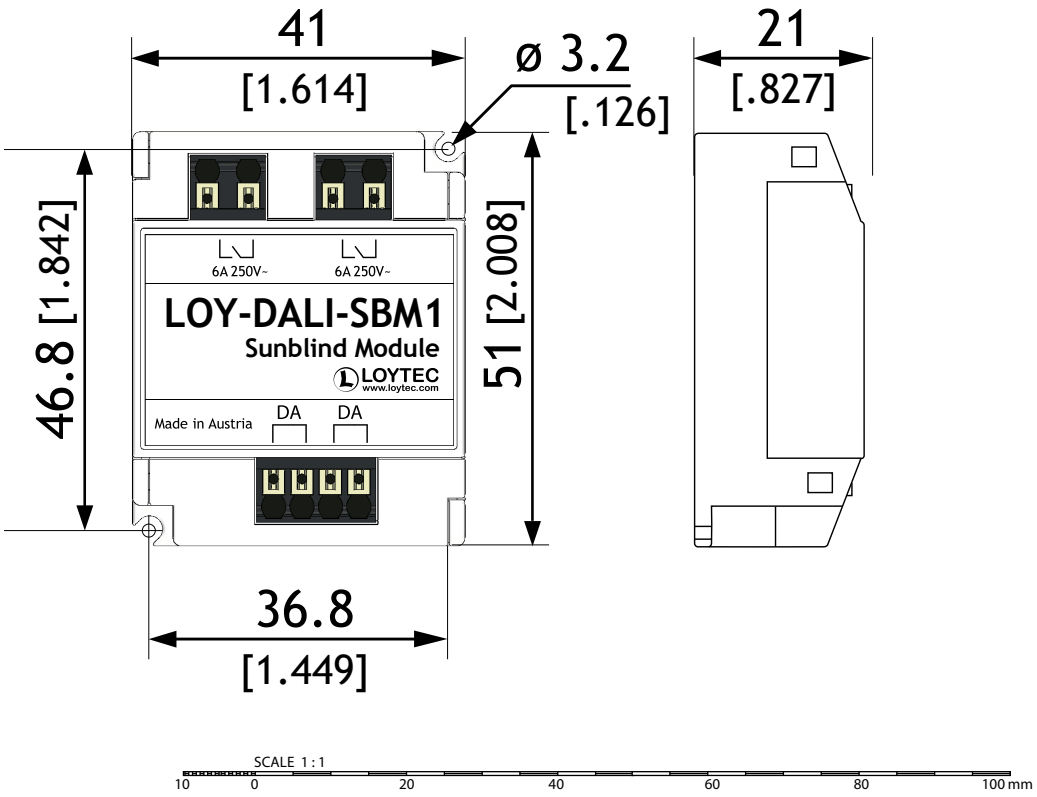


In Relay-Mode (operating mode 0x00) the module acts as DALI-2 certified relay module with 2 interlocked contacts: normally open and normally closed.

Specifications	
Dimensions (mm)	51 x 41 x 21 (L x W x H), DIM084
Installation	Distribution box
Power supply	DALI-bus, idle 3.5 mA (@16 V DC) / typ. 6 mA (@ 16 V DC) / max. 11 mA inrush current
Maximum switching power	1500 VA @ 250 V AC / 180 W @ 30 V DC
Nominal switching capacity	6A @ 250 V AC / 6A @ 30 V DC / inrush currents up to 10A
Relay contact switching voltage	250 V AC / 30 V DC
Switching cycles	150000
Interval times	Relay-Mode (operating mode 0x00): min. switching interval: 200 ms Sunblind-Mode (operating mode 0x80, factory default): min. switching interval: 200 ms switch-on duration: 70 ms - 161840 ms resolution: 10 ms
Operating conditions	0 °C to 50 °C, 10 – 90 % RH, noncondensing, degree of protection: IP40, IP20 (terminals)
Interfaces	1 x DALI, protected against overvoltage (mains)
Certificates	DALI-2
DALI protocol conformance (IEC 62386 parts)	101 ed2, 102 ed2, 208 ed1 (in operating mode 0x00)
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	LDALI-3E10x-U , LDALI-ME20x-U, LDALI-PLCx, LROC-40x, LIOB-591
Resource limits	
Number of LOY-DALI-SBM1	64 per DALI-channel, with sufficient dimensioned DALI bus power supply
Order number	**Product description**
LOY-DALI-SBM1	DALI Sunblind Module, DALI, 2 x 6A/250 V AC

Dimensions of the devices in mm and [inch]

DIM085 LOY-DALI-SBM1



Products of Delta Intelligent Building Technologies (Europe) GmbH are subject to ongoing development, and technical specifications may change without notice. The most recent datasheet can be downloaded from www.loytec.com.