

Accessories

Battery adapter for multi-turn encoder AEMT-12/16 L

Part No.: 6501.00368

6501.00368

Temperature range:		
– Operating temperature	– 40 ... + 85	°C
Dimension and Weight:		
– Dimension (L x B x H)	65 x 58 x 23,6	mm
– Mass	56	g

Note: All switches are in "OFF" position in the as-delivered condition. These switches must be set accordingly depending on the application.

General information

If the power supply fails or is switched off, the AEMT-12/16 L multi-turn encoder automatically switches to a battery mode with greatly reduced energy consumption.

In combination with a suitable backup battery, the battery adapter ensures that the multi-turn functionality of the encoder is temporarily maintained.

In addition to the buffer function, the adapter also contains a preset connection for resetting the revolution counter when commissioning or during maintenance work.

For details on the functionality, see the technical manual of the AEMT-12/16 L.

The adapter can be mounted on both a base plate as well as on a top-hat rail.

In addition to the adapter itself, two connection cables are available for the motor and controller side, which are not included in the delivery contents of the adapter.

6501.00369 combination with MC 50xx, L = 150 mm

6501.00370 combination with multi-turn encoder AEMT-12/16 L, L = 2000 mm

Description of the setting options via the DIP switch (S1)

1: Preset	ON	AEMT power supply switched on.
	OFF	AEMT power supply switched off.
2: GND	ON	AEMT preset input switched to U _{DD} .
	OFF	AEMT power supply switched to GND.

NOTE: The battery is not included in the delivery contents of the adapter. Recommended battery types: SL-350, ER 14259, LS 14250.

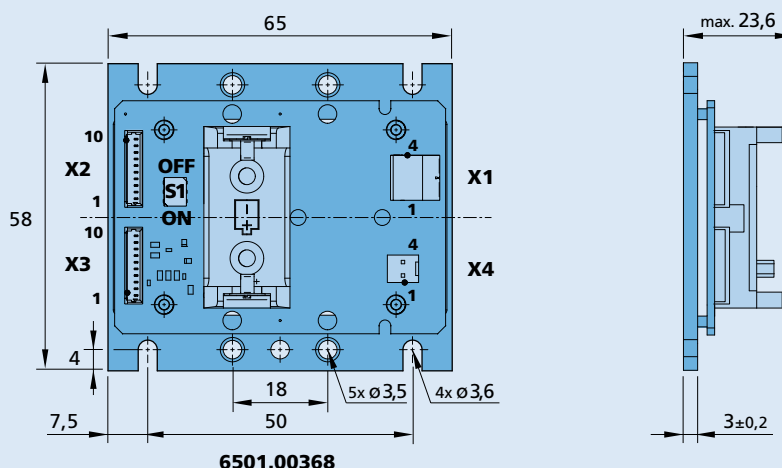
As an alternative to these battery types, a pre-assembled battery with connector can be connected to X4. Recommended type: LS 14250 MLB

Pin assignment

Pin	Connection X1	Pin	Connection X3
1	Preset	1	Preset
2	GND	2	U _{DD}
		3	GND
		4	U _{BAT}
Pin Connection X2		Pin Connection X4	
1	N.C.	1	GND
2	U _{DD}	2	U _{BAT}
3	GND		
4	CS		
5	CS		
6	DATA		
7	DATA		
8	CLK		
9	CLK		
10	N.C.		

Dimensional drawing and connection information

scale reduced



Connection

No.	Function
X1	Preset
X2	Controller MC 50xx
X3	Encoder AEMT-12/16 L
X4	Battery

No.	Switch
S1	DIP-Switch