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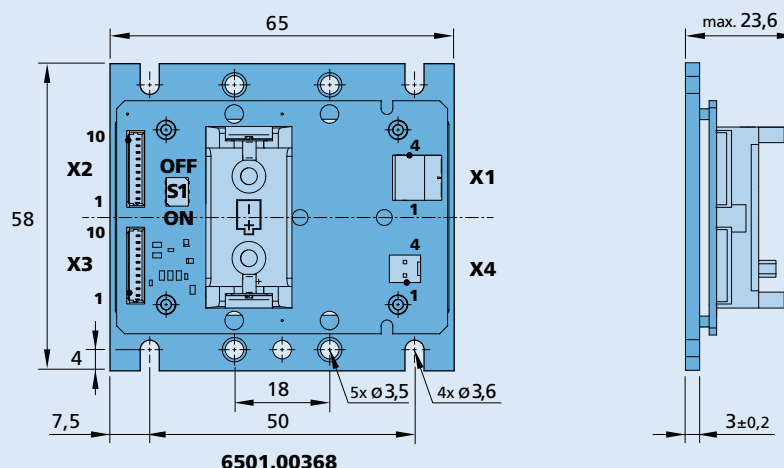
As an alternative to these battery types, a pre-assembled battery with connector can be connected to X4. Recommended type: LS 14250 MLB

Pin assignment

Pin	Connection X1
1	Preset
2	GND

Pin	Connection X2
1	N.C.
2	U_{DD}
3	GND
4	$\overline{CS}$
5	CS
6	$\overline{DATA}$
7	DATA
8	$\overline{CLK}$
9	CLK
10	N.C.

Pin	Connection X3
1	Preset
2	U_{DD}
3	GND
4	U_{BAT}
5	$\overline{CS}$
6	CS
7	$\overline{DATA}$
8	DATA
9	$\overline{CLK}$
10	CLK

Pin	Connection X4
1	GND
2	U_{BAT}

Dimensional drawing and connection information

scale reduced

6501.00368

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

No.	Switch
S1	DIP-Switch

For detailed information regarding FAULHABER accessories please refer to the instruction manuals.
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