

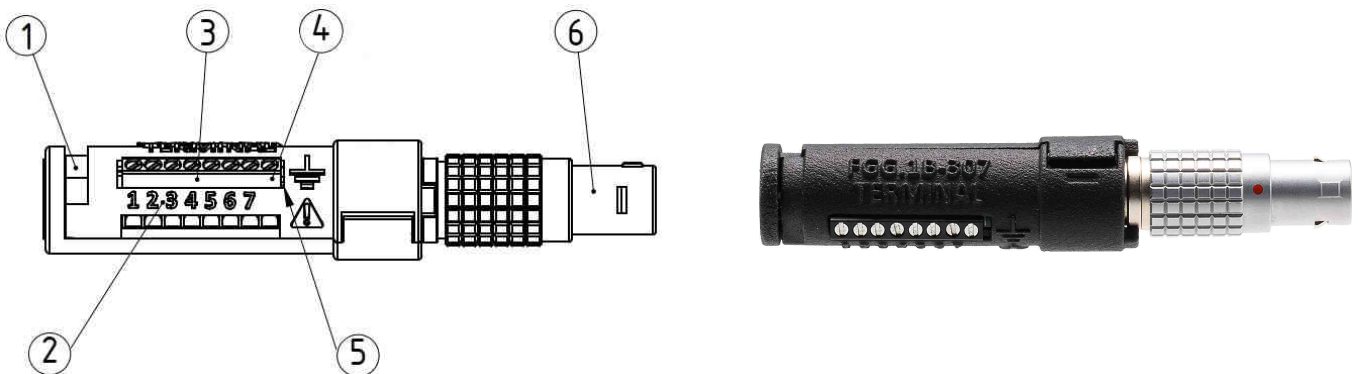
# FGG.1B.307 Terminal

## LEMO connector adapted to screw terminal



This terminal connector facilitates the use of the 7-pin LEMO.1B connection technology, which is widely used in measurement technology, in such a way that no complex cable assembly (soldered or crimped) is necessary, but instead stripped cable ends can be manually connected directly via screw terminals. The ACC/FGG.1B.307-TERMINAL is designed for use with imc measurement instruments.

A separate shield connection, strain relief via cable ties and a cable outlet arranged at a 45° angle ensure a robust and compact instrumentation that allows very flexible and fast solutions, e.g. for prototypes and provisional setups.



Legend:			
1	notch for cable tie, mounting element	4	shield terminal
2	pin labeling	5	cable outlet 45°
3	8-pin screw terminal, 7x signal + shield	6	round plug LEMO (7-pin) imc standard

Order code	article no.	Remarks
ACC/FGG.1B.307-TERMINAL	13500418	LEMO terminal connector 1B (7-pin, imc standard) adapted to screw terminal (8-pin)

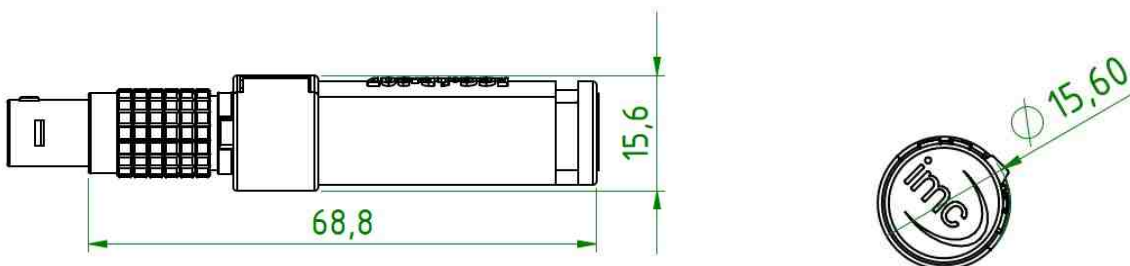
ACC/FGG.1B.307-TERMINAL is designed for use under normal ambient conditions in accordance with EN 61010-1. Use a slotted screwdriver 1.8 mm to connect the wires.

Parameter	Value	Remarks
Terminal connection	LEMO.1B.307 screw terminal block 8-pin	suitable for imc measurement devices (imc standard) MPT 0.5, grid dimension: 2.54 mm screw connection with tension sleeve screw engagement form: longitudinal slit
Nominal current	1 A	
Conductor cross-section	solid / flexible 0.14 mm <sup>2</sup> - 0.5 mm <sup>2</sup>	with conductor end sleeve 0.25 to 0.34 mm <sup>2</sup>

Included accessory: Cable tie 100x2.5 mm black

Pinning: This is a 1:1 assignment, i.e. the respective LEMO pin is assigned to the screw terminal pin with the same number. Pin 8 is to be used for the cable shield (ground symbol).

Dimension:



### Attention! General danger zone!



It cannot be guaranteed by the manufacturer that connections at the terminals can never be touched. Depending on ambient conditions and applied signal, there may be a risk of electric shock. Please observe the rated data.

The product is intended for voltages within the limits for touchable parts (according to EN 61010-1). Always observe the max. permissible voltages of the encoder as well.

In addition to the notes in this document, please observe the operating instructions of the imc measuring instruments with which you intend to use ACC/FGG.1B.307-TERMINAL.

ACC/FGG.1B.307-TERMINAL facilitates the use of imc measurement technology in the development phase of measurement setups and for frequently changing measurement tasks. The following restrictions must be observed:

- The use of ACC/FGG.1B.307-TERMINAL should be left to trained personnel only.
- Contact with or short-circuiting of active conductors cannot be excluded. This applies in particular when connecting a cable, if the ferrules are too long or with regard to any protruding stranded wires.
- A deterioration of the characteristics of the measuring circuit cannot be excluded (e.g. noise, EMC).
- A deterioration of the immunity of the measuring circuit cannot be excluded (e.g. ESD directly into the measuring circuit).
- Deterioration of the noise emission is hardly significant when used correctly, but cannot be ruled out.