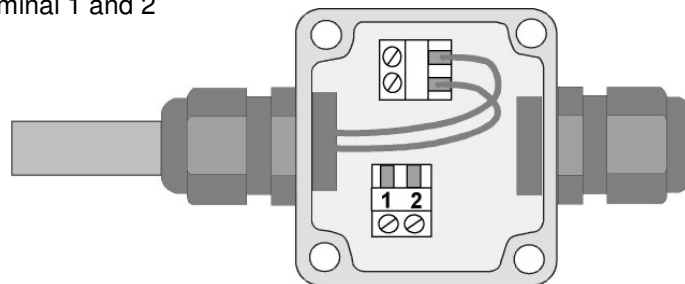


## H250 with mounted limit unit MS14

Operating instruction	Electrical equipment for hazardous locations
Category for instrument	II2G for use in hazardous locations zone 1
Norm conformity	The electrical equipment operates as a simple device. It is in conformity with intrinsic safety EN 60079-11:2007, para. 5.7
Ex marking	None (because it is not required in accordance to 60079-11, para. 5.7)
Reed-contact type	Bistable contact with integrated magnet
Temperature range	-20...+120 °C
Insolation	500 Vac against earth
Electrical data	Only for connection to certified intrinsically safe circuits. Peak values: U <sub>i</sub> = 30 V I <sub>i</sub> = 100 mA C <sub>i</sub> negligible L <sub>i</sub> negligible
Electrical connection	MS14 - type 1 with 1000mm cable connection, 2-wire MS14/A - type 2 with connection box, protection IP44
Terminals	Terminal 1 and 2



General	Follow the specification and the instructions of this operation manual.
Installation, startup	When applying this equipment pay attention to directives, standards and laws. The intrinsic safety is warranted only with appropriate intrinsic safe equipment. Prefer a galvanic isolation to avoid ignition hazard which arise from transient current of equipotential bonding.
Maintenance	A modification of the equipment in hazardous locations is not allowed.

## Electrical connection

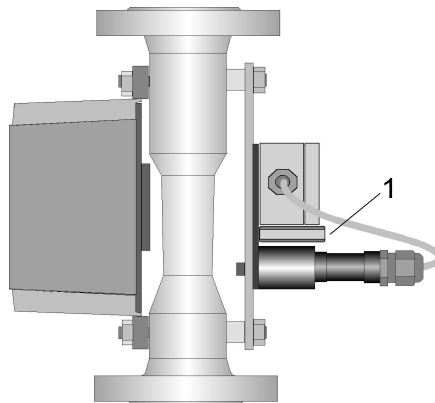
For the electrical connection, first unscrew the cover. Because the reed contact is potential-free, the terminals are not labeled. The intrinsically safe equipment may only be connected to separated intrinsically safe circuits.

## Setting

The MS14 is fixed to the flowmeter with a special support and is adjustable over the full measuring range.

The limit switch MS14 is a potential-free, bistable reed contact. It can be operated optionally as an NO or NC contact. Unless specified otherwise, it is supplied by the factory as an NO contact.

- Untighten support screw (1).
- Set operating point.
- Tighten support screw (1).



## Contact function

Two contact functions are available for limit monitoring:

Closing, at decreasing flow: Arrow on reed cartridge points away from measuring cone.

Closing, at increasing flow: Arrow on reed cartridge points towards measuring cone.

The contact function can be changed by changing over the reed cartridge screwed into the cartridge case:

