



EN Operating instructions. pages 1 to 2
Original

About this document

These operating instructions serve as a supplement to the operating instructions for AZM400. Deviating or additional instructions follow.

Purpose

The Bowden cable release is an accessory that can be used in connection with the solenoid interlock AZM400Z-...-BOW.

The Bowden cable release facilitates remote release via a pull cable. If deployed within the hazardous zone, the Bowden cable can be used as an emergency exit; if deployed outside a hazardous zone, it can be used as an emergency release (max. pull force 500 N, with use of the T-grip max. 250 N).



To make sure that the Bowden cable release functions correctly, the protective guard/safety door must not be in a mechanically stressed condition.



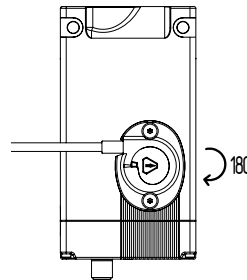
The function can only be assured if the pull cable is routed correctly and a suitable actuating element (handle, lever, etc.) is correctly attached. Both are the responsibility of the machine and plant construction engineer.

The normal locking function is not restored until the triangular key has been turned 180° back to its original position.

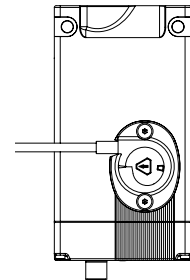


Do not turn triangular key beyond end stop.

Unlocked



Locked



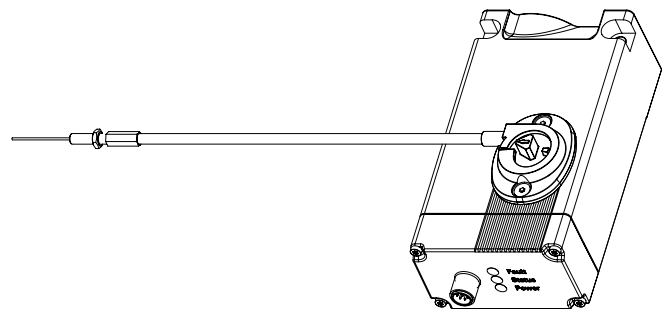
Triangular key, 101100887, available as an accessory.

Ordering code

ACC-AZM400-BOW-(1)M-(2)M

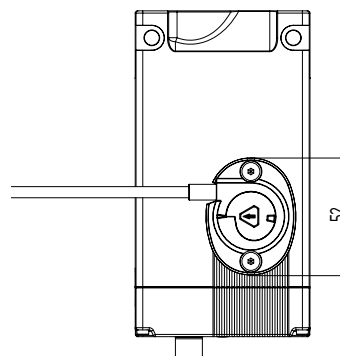
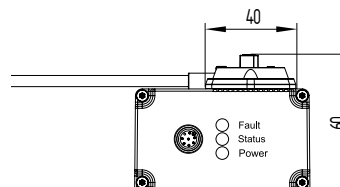
No. | Description

- ① Length of sheathed steel core (in meters)
- ② Total length of Bowden cable (in meters)



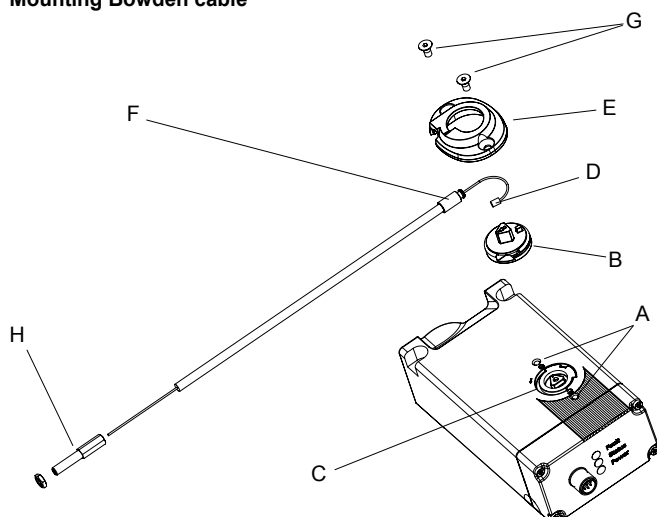
Dimensions

All measurements in mm.



Mounting

Mounting Bowden cable



Key

- A: 2 x M4 holes for securing Bowden cable release
- B: Adapter
- C: Triangle
- D: Cylinder nipple
- E: Adapter cover
- F: Hose fitting
- G: 2 x M4 counter sunk screws with special coating
- H: M5 set screw with nut

1. Remove protective adhesive label above both holes A
2. Fit adapter B, ensuring that triangle C and adapter are positioned correctly
Caution: Alignment of markings (arrows) on devices and adapter triangle varies

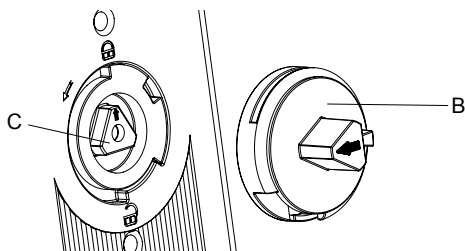


Fig. Position of triangle and adapter

3. Insert cylinder nipple D in tab of adapter and route cable in groove of adapter
4. Fit adapter cover E as shown (observe following points when doing so)
 - Insert protruding surface of adapter cover in groove of hose fitting F
 - Then secure cover with both screws G supplied (tightening torque 1.2 Nm)

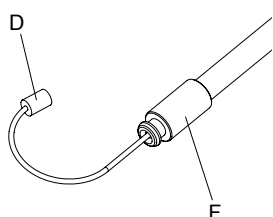


Fig. Hose fitting with cylinder nipple

5. Customer routing of Bowden cable and attachment of actuating element
6. Supplied M5 set screw H for attachment at end of hose (see fig. wall assembly)

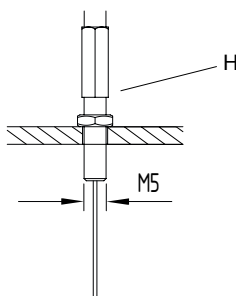


Fig. Wall assembly



The M4 screws supplied may only be used once to ensure that the enclosure remains leak-tight.

In addition to the information in the operating instructions for AZM400, observe the following:

- Following assembly, check function of Bowden cable.
- Minimum bend radius of cable is 100 mm. As a rule, the number of bends should be kept as low as possible.
- Check system for ease of movement.

Perform a visual and function check of the system at regular intervals.

Accessories (to be ordered separately):

T-grip (red) **ACC-AZM-BOW-H-1-RD** Ordering code 103027454

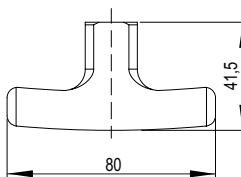


Fig. T-grip

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