



EN Operating Instructionspages 1 to 2
Original


About this document


These operating instructions serve as a supplement to the operating instructions for AZM300. Deviating or additional instructions follow.

Purpose


The Bowden cable release is an accessory that can be used in connection with the solenoid interlock AZM300.-T or .-N.

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 (available as accessory) has been turned 80° back to its original position.

 Do not turn triangular key beyond end stop of AZM300.

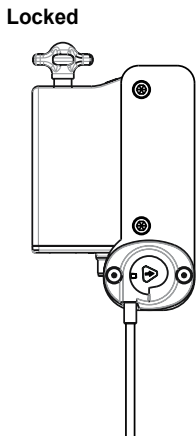


Figure 1

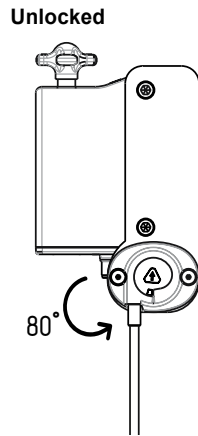




Figure 2

Ordering code

ACC-AZM300-BOW-2-①M-②M

No.	Description
①	Length of sheathed steel core (in meters)
②	Total length of Bowden cable (in meters)

 Ordering code ACC-AZM300-BOW-2-4M-6M: 103028145. Other versions upon request.

 The Bowden cable can only be mounted on the side of the solenoid interlock shown in figure 3.

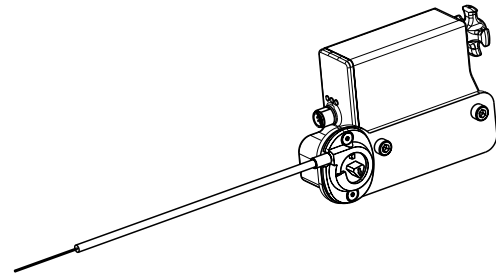


Figure 3

Accessories

(to be ordered separately)

Triangular key	TK-M5	101100887
T-grip (red)	ACC-AZM-BOW-H-1-RD	103027454

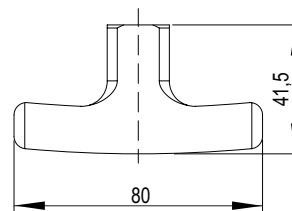


Figure 4

Dimensions

All measurements in mm.

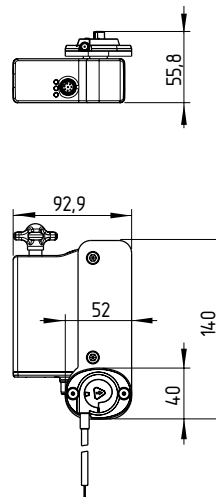


Figure 5

Mounting

1. Insert cylinder nipple A in the tab of adapter B and route the cable in groove of the adapter.

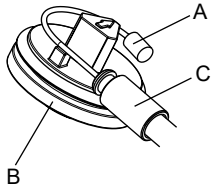


Figure 6

2. Position adapter cover D as shown.
Observe the following points:
 - Insert the protruding surface (triangle with arrow) in adapter cover D into the groove of hose fitting C (see Fig. 7).
 - Then, secure adapter cover D to the mounting plate with the two M4 countersunk screws supplied (tightening torque 1.2 Nm).
3. Note the alignment of the markings (arrows) on the triangle and adapter piece H (see Fig. 8).
4. Place spacer G on triangle H and M6 washers I on the attachment holes of the AZM300.
5. Position mounting plate F on the washers I and spacer G.

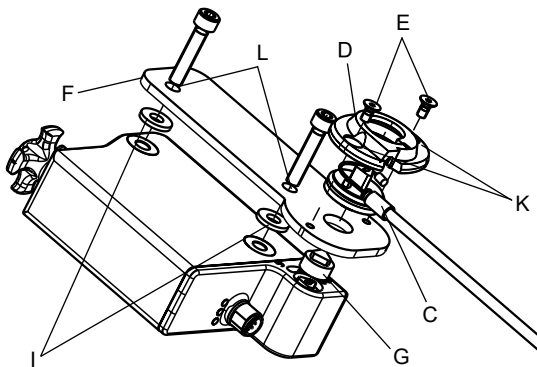


Figure 7

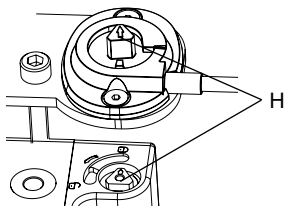


Figure 8

6. Fit the AZM300 incl. mounting plate and washers in the application.
 - Customer routing of the Bowden cable and attachment of the actuating element.
 - Supplied M5 set screw J for attachment at end of hose (see fig. 9).

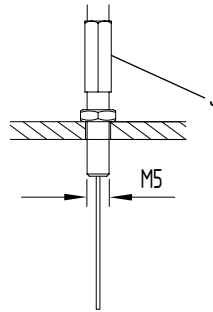


Figure 9

Key

- A: Cylinder nipple
- B: Adapter
- C: Hose fitting
- D: Adapter cover
- E: 2 x M4 countersunk screws
- F: Mounting plate
- G: Spacer
- H: Triangle on the AZM300 and on the adapter piece
- I: 2 x washers M6
- J: M5 set screw with nut
- K: 2 x M4 holes for securing Bowden cable release
- L: 2x M6 holes (screws not included in delivery)

In addition to the information in the operating instructions for AZM300, 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.

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