

AC-ABF-SL1

Display and Acknowledgement Device

Art-No. 607058



Function

The display and acknowledgement device AC-ABF-SL1 is designed for muting applications. It realizes the indication of the muting state by a LED indicator on top of the device as well as the reset of the start/restart interlock and the muting restart (override) after a muting error. The device is suitable for application with both, external muting controllers of the MSI-m series and for multiple light beam safety devices and safety light curtains of the COMPACTplus-m series with integrated muting function. AC-ABF-SL1 can be mounted directly to a protective fence by a sheet metal included in delivery.

Attention!

This display and acknowledgement device must be mounted at a place, where the activated muting indicator can be clearly seen by a person who enters the danger zone and the complete danger zone is visible from the mounting place.

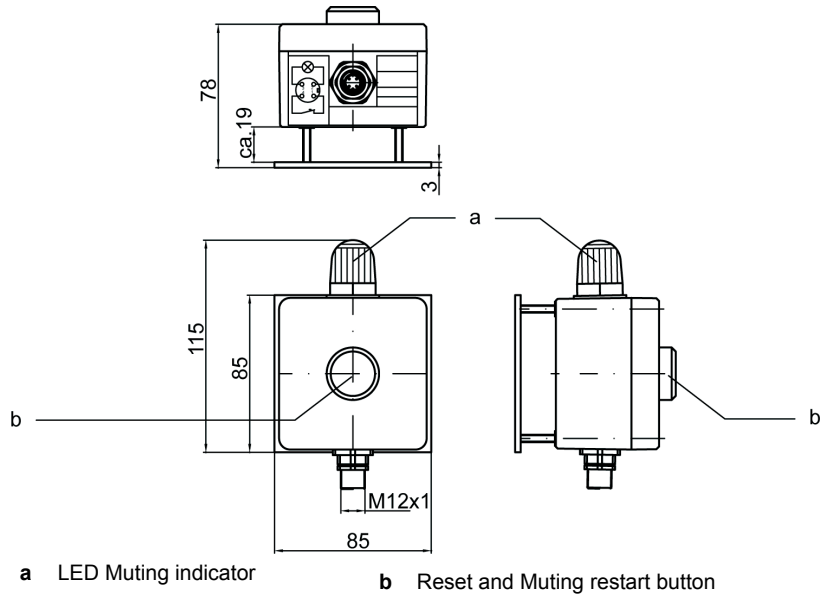
Features

- Display of muting state by LED indicator
- Acknowledgement and muting restart (override) by button
- Easy mounting at protective fence by mounting sheet metal
- 4-pole M12 connector

Mounting

- Loosen the 4 screws in the housing cover and take off the cover.
- Loosen the 4 screws of the backside mounting plate and take off the mounting sheet metal
- Fix the device at the fence by putting the fence between mounting sheet metal and the device and tightening the screws.
- Fix the housing cover by the 4 screws
- Carry out the electrical connection at the M12 plug.

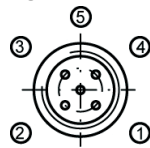
Dimensional Drawing



Electrical Connection

Via suitable connection cable to MSI-m or CP-m

Plug:



Pin	Color	Input / Output
1	Brown	Acknowledgement button
2	White	LED indicator
3	Blue	LED indicator
4	Black	Acknowledgement button

AC-ABF-SL1	MSI-m/R	MSI-mx/Rx	CP-m	CP-mx
Pin	via CB-M12-xx000-5GF		via AC-SCM1 – X5 or X6	to socket X5 with cable
1	+24V		with cable	CB-M12-x000-5GF/GM
2	Terminal 28		CB-M12-x000-5GF/GM	
3	0V			
4	Terminal 13			

Technical Data

Mechanical Data

Housing	Plastics
Mounting sheet metal	Aluminum
Weight	250 g

Electrical Data

Operating voltage U_B	24VDC \pm 20%
Current consumption LED indicator	45 mA
Switching current through button	1 mA ... 1 A

Environmental Data

Temperature range (operation/storage)	-25°C ... +60°C / -30°C ... + 70°C
VDE protection class	III

Order Information

Art. No.	Article	Description
426363	AC-ABF-SL1	Display and Acknowledgement Unit
429087	CB-M12-5000-5GF	Cable 5-pole for MSI, 5 m
429088	CB-M12-15000-5GF	Cable 5-pole for MSI 15 m
429089	CB-M12-25000-5GF	Cable 5-pole for MSI, 25 m
548361	CB-M12-1000-5GF/GM	Cable 5-pole for CP, 1 m
548362	CB-M12-2000-5GF/GM	Cable 5-pole for CP, 2 m
548365	CB-M12-5000-5GF/GM	Cable 5-pole for CP, 5 m

Subject to change without prior notice