arfiStat ExSR-1356
MFX_4 RFID
ATEX / IECEx® Zone 1certified
Access Control & Time Attendance
HF/NFC Reader
RS485 Interface

Product:	ATEX/IECEx® certified HF/NFC RFID Low Range Reader with integrated antenna and RS485-Interface for short distance reading of 13.56 MHz HF/NFC ISOCards or KeyFob-TAGs. This reader is perfect for access control and time attendance applications in hazardous areas in oil & gas and chemical industries.	
RFID HF/NFC TAGs/Chips supported:	13.56 MHz: ISO15693 NXP ICODE-SLI-X, ISO14443A Mifare-1K S50, 4K S70, Ultralight	
Typical Read Range:	about 20 mm	(Depends on RFID TAG type/shape)
Frequency: **Standards:**	13.56 MHz (At room temperature 20°C) ISO15693, ISO14443, ISO18000-3,	
ATEX Marking:	II 2G Ex mb IIB T4	
Dimensions / Housing / Weight:	125 x 75 x 50 mm 300 g	IP66 Black housing Cable length: 80 cm
Interface (Protocols):	RS485 (Serial RS422 / RS485)	A bus coupler unit allows the adaption to customers network.
Outputs:	1 digital output (Passive MOSFET)	30 V / 100 mA
Power Supply: **Output Power:**	12 ± 10% V DC or 24 ± 10% V DC P_{typ} = 0.6 W P_{typ} = 1.5 W	24.5 dBm
LED Signalling:	Yellow: Power; Green: TAG READ; Red: No read (Default Multi Tag Detect)	
Operating/Storage Temperature:	-20°C ... + 60°C	-25°C ... + 70°C
Certification:	CE ATEX / IECEx Zone 1	RoHS ✔
Part Description:	arfiStat-ExSR-1356-MFX_4RFID	

"IECEx" is a Registered Trade Mark of the International Electrotechnical Commission

Made in Germany

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Rev. 01

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This ATEX certified RFID reader is used by system integrators or end-users in hazardous area to read HF RFID TAGs and to send the data to a PC/host by RS485 interface.

By using an additional EX certified RS485 to TCP/IP converter the Ethernet option allows easy integration into your office or industrial 4.0 IoT computer network.

Suitable ATEX certified ISOCards or Keyfobs are also available. We are looking forward to your request.

APPLICATIONS:

- Reading of HF ISOCard or Keyfob RFID TAGs
- Access Control
- Industrial ID
- Industrial Access Switch
- Time Attendance
- Your application

PINOUT:

The electrical connections of the MFX_4 RFID are exclusively over/via the connector cable.

Cable number	Symbol	Comments
1	+ V	Supply voltage
2	GND	Grounding
3	Out -	Digital output
4	A	T+ (RS485)
5	B	T- (RS485)
6	Z	R- (RS485)
7	Y	R+ (RS485)
Shield		Shielding

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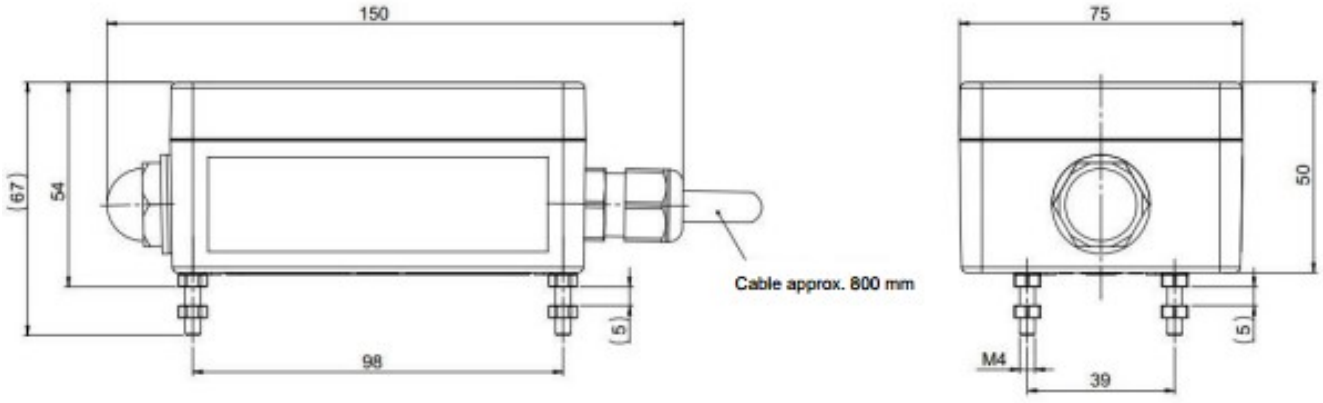
DIMENSIONS [mm]:



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