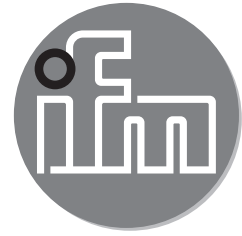


ifm electronic



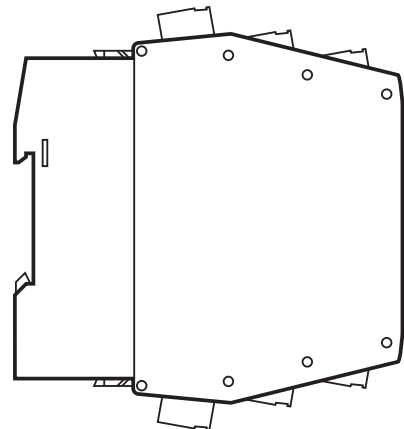
Installation instructions
AS-i module

AS interface

AC2266

UK

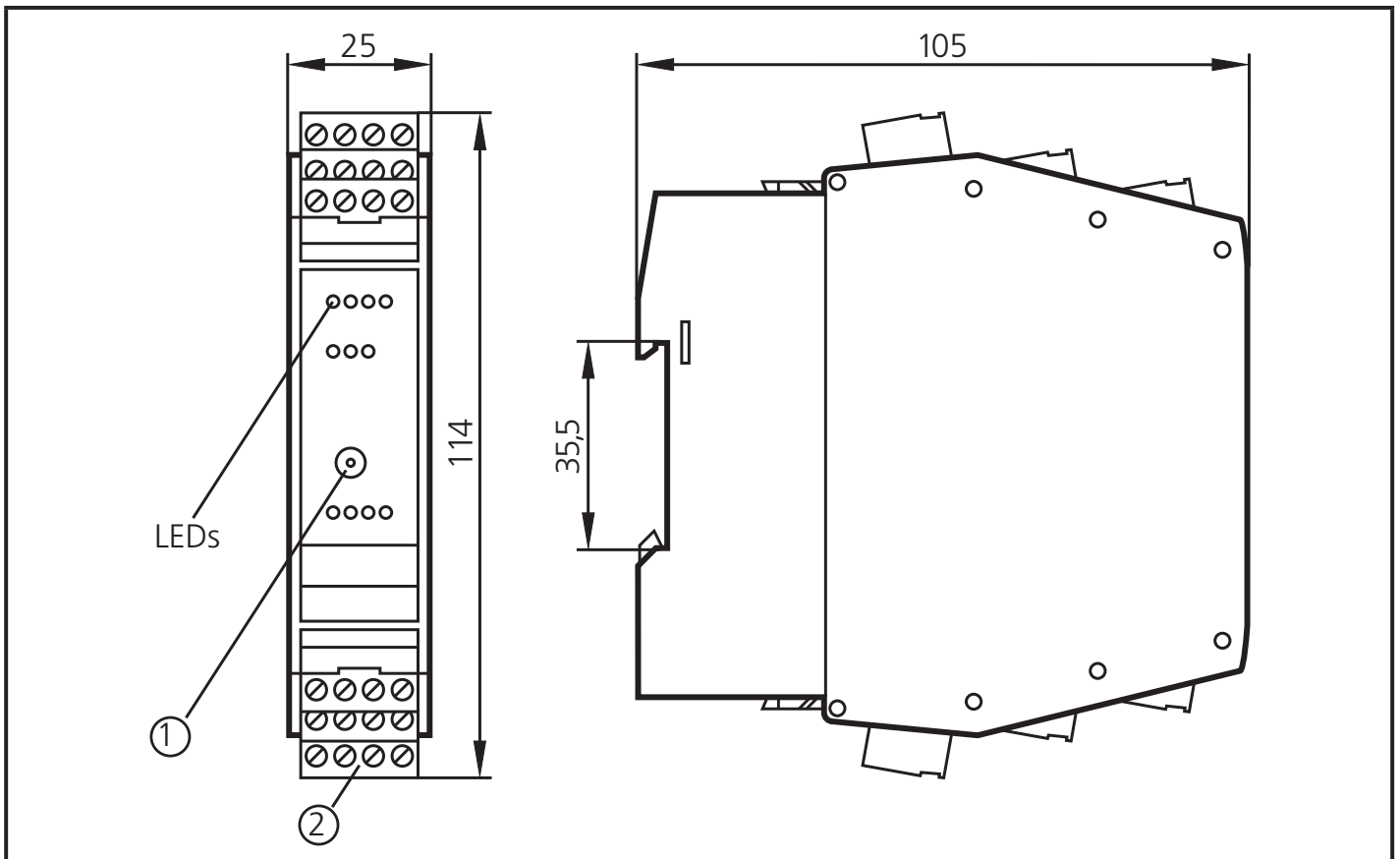
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Function and features

- AS-i profile S-7.A.E
- maximum number of modules per master: 62
- AS-Interface version 3.0, downward compatible, extended addressing mode
- external PELV voltage supply for inputs

Operating and display elements



- 1: addressing socket
2: Combicon plug with screw terminals (optional)

Mounting

Mount the module onto a 35 mm rail or fasten it onto a mounting device.

Technical data


You can download the data sheet from the Internet if required (www.ifm.com).

Addressing

At the factory the address is set to 0.

Addressing with the addressing unit AC1154

When mounted and wired the module can be addressed by connecting the addressing cable (E70213) to the implemented addressing socket.

 Do not remove the addressing plug while live.

If a slave with the extended addressing mode is used in combination with a master of the first generation (version 2.0), the parameter P3 must be 1 and the output bit D3 must be 0*.


The output bit D3 and the parameter bit P3 must not be used.

UK

If a slave with the extended addressing mode is used in combination with a master of the first generation (version 2.0), an address between 1A and 31A must be assigned to this slave.

*) default setting

Electrical connection

 Disconnect power! Connect the sensors and actuators with the terminals.
The sensors must be supplied with external PELV voltage.

The device shall be supplied from an isolating transformer having a secondary Listed fuse rated as noted in the following table.

Overcurrent protection		
Control-circuit wire size		Maximum protective device rating Ampere
AWG	(mm²)	
26	(0.13)	1
24	(0.20)	2
22	(0.32)	3
20	(0.52)	5
18	(0.82)	7
16	(1.3)	10

Connection			
A+:	AS-i +		
A-:	AS-i -		
I+:	sensor supply +24 V		
I-:	sensor supply 0 V		
E+:	external sensor supply for sensors / actuators		
E-:	external sensor supply for sensors / actuators		
I1 ... I4:	switching inputs sensors 1...4		
O1 ... O3:	switching outputs actuators 1...3		
O-:	switching output actuator 0 V		
LEDs 1:	switching status indication sensor inputs		
LEDs 2:	AS-i, FAULT, AUX		
LEDs 3:	switching status indication actuator outputs		
ADR	addressing socket		

Operation

Check the safe functioning of the unit. Display by LEDs:

- LED green (AS-i): voltage supply via the AS-i network o.k.
- LED green (AUX): external voltage supply o.k.
- LED yellow: input/output switched
- LED red is lit (FAULT): AS-i communication error, e. g. slave address 0
- LED red flashing (FAULT): peripheral error, e.g. no auxiliary voltage