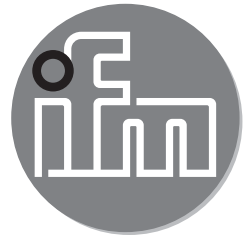


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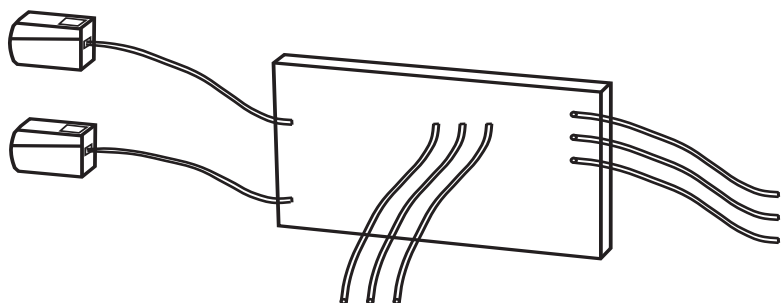
Installation instructions
AS-i PCB

AS interface

E70529

UK

7390948/00 08/2012



Functions and features


The AS-i PCB detects up to two unsafe switching states, e.g. 1 or 2-channel mechanical contacts.

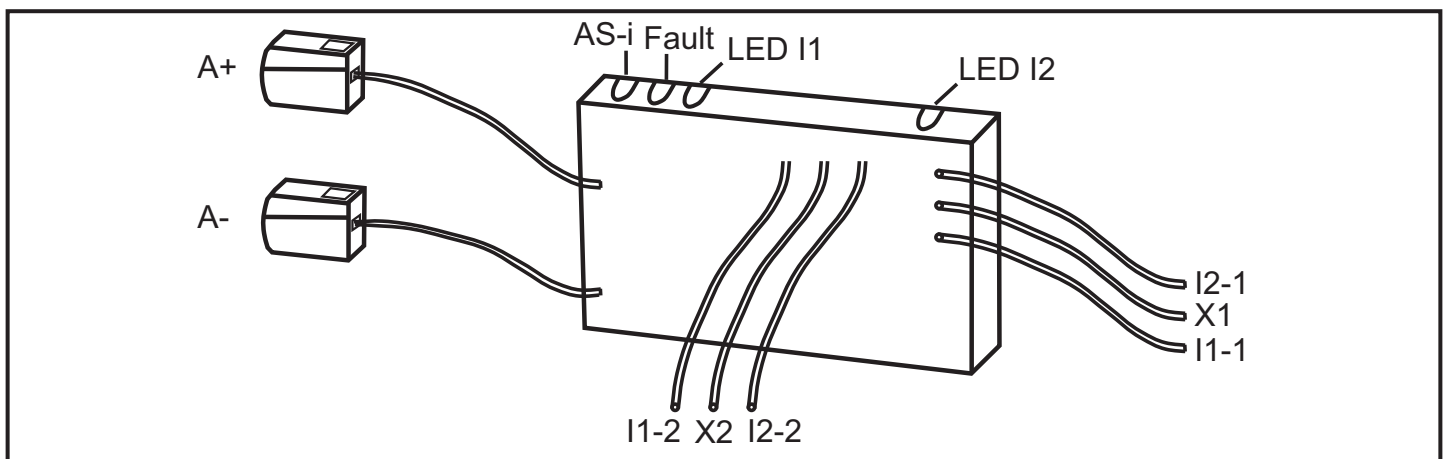
Installation

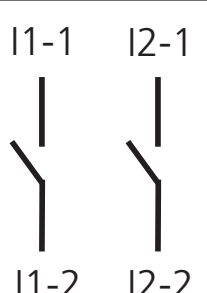
Install the AS-i safety PCB in a protected location (e.g. control cabinet, housing). The appropriate housing must have a protection rating of at least IP 54. Carry out a set-up test after installation of the AS-i PCB.

Electrical connection

Connect the AS-i PCB to two mechanical NO or NC contacts. In doing so, the two outer black connection wires are connected to one side of the contacts. The other side of the contacts is connected with the other two black wires.

 Insulate unused open wires. The connection wires of the AS-i PCB must not be extended.



Wiring		
A+:	AS-i +	
A-:	AS-i -	
I2-1 / I2-2:	Switching input mechanical contact I1 / I2	

Wiring		
LEDs 1:	Switching status indication inputs I1, I2	
LEDs 2:	AS-i, FAULT	
X1-X2:	External LED output	

Data bits

Data bit	D0	D1	D2	D3
In/Out	I-1 / O-1	I-2	-	-

UK

Operation

Check whether the unit operates correctly. Display by LEDs:

LEDs 1 yellow:	Inputs switched (I1, I2)
LED 2 green:	Supply voltage OK (PWR)
LED 2 red lit:	AS-i communication error, slave does not participate in the "normal" exchange of data, e.g. slave address 0 (FAULT)
External LED output (X1-X2):	Output O-1 (The output LED can be set as a static or dynamic output by the host system.)

Addressing

When mounted and wired the PCB can be addressed via the addressing unit AC1154 using the cable (E70032). Assign a free address between 1A/1B and 31A/31B. At the factory the address is set to 0.

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.

* default setting

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.

Technical data

Technical data and further information at www.ifm.com