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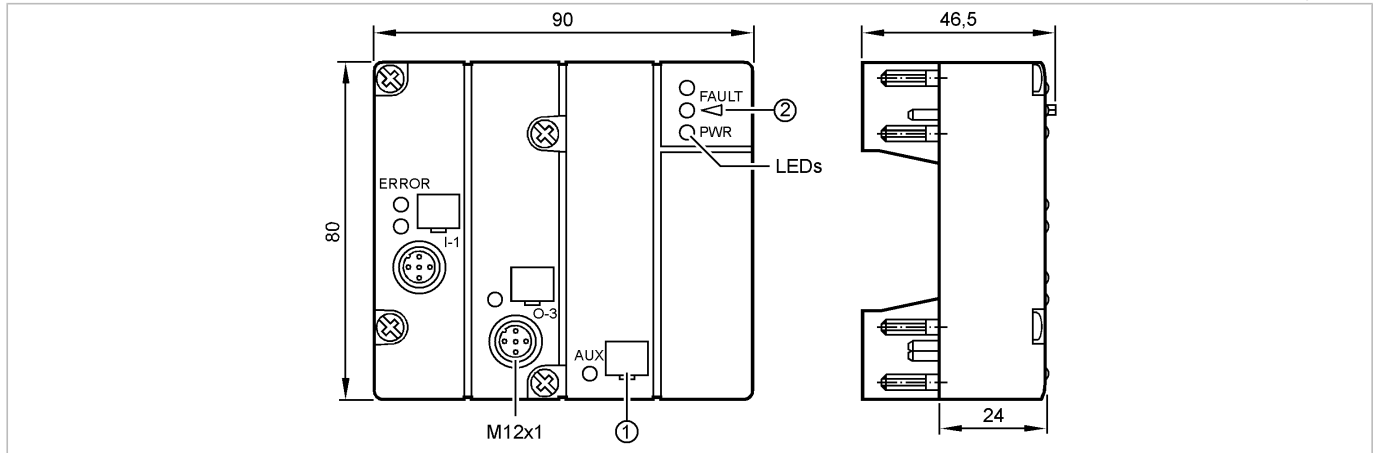
**ecomat300**

AC016S



CL90, Evaluation unit, AS-i

AS-Interface bus system



Product characteristics

Safe active AS-i ClassicLine module

AS-i interface to FC/FC-E lower parts

Sockets M12 x 1

AS-i version 2.1

IR addressing possible

Control category 4 according to EN954-1

For the connection of fail-safe inductive sensors of the control category 4

Complies with the requirements:

EN ISO 13849-1: Category 4 PL e

IEC 61508: SIL 3

Electrical data

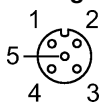
Electrical design	1 safe input / 1 unsafe output	
Operating voltage [V]	26.5...31.6 DC	
Current consumption [mA]	< 250	
Inputs		
digital		
Circuit	DC PNP	
Sensor supply	AS-i	
Input current [mA]	10	
Short-circuit detection	ja	
Cross-bridging detection	ja	
Overload protection	no	
Outputs		
External voltage supply	24 V DC	
Max. current load per output [mA]	500	
Integrated watchdog	yes	
Environment		
Ambient temperature [°C]	-20...55	
Protection	IP 67	
Tests / approvals		
EMC	EN 50295	
Safety classification		
Mission time TM [h]	87600	
PFH	1 x 10E-8 / h	
DC/CCF/Cat.	99 % / 70 % / 4	
AS-i classification		

**AC016S - Safe active AS-i ClassicLine module - eclass: 27259090 / 27-25-90-90**

AS-i version	2.1
Extended addressing mode possible	no
AS-i profile	S-7.B.E
I/O configuration [hex]	7
ID code [Hex]	B.E
AS-i certificate	61801
Max. number of safety modules per master	31
<b>Mechanical data</b>	
Cable length between module and mechanical contacts	< 5 m
Housing materials	PBT (Pocan)
Weight [kg]	0.32
<b>Displays / operating elements</b>	
Power LED	green
Error LED	red
Function display LED	yellow

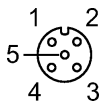
**Electrical connection**

**Wiring**



Socket I-1 connection fail-safe sensor

- 1: L+
- 2: clock input TE
- 3: L-
- 4: Output OUT
- 5: not used



Socket O-3 Switching output PNP

- 1: not used L+
- 2: not used
- 3: GND
- 4: Output O-3
- 5: not used

**Remarks**

Pack quantity [piece]	1
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