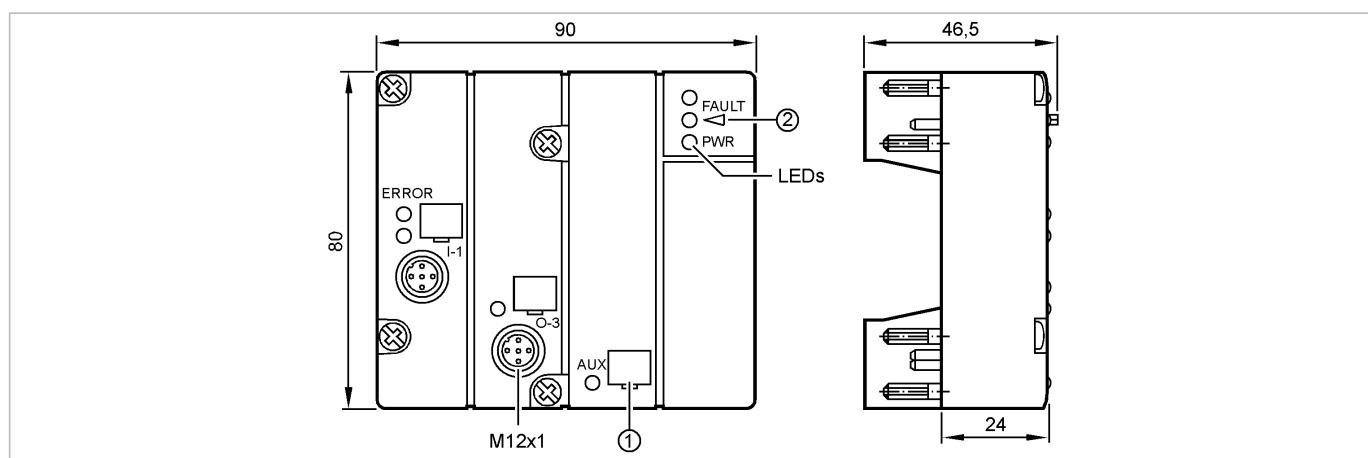




AC016S

CL90, Evaluation unit, AS-i

Bus system AS-Interface



Made in Germany



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
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Safety classification

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CL90, Evaluation unit, AS-i

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Mission time TM	[h]	87600
PFH		1 x 10E-8 / h
DC/CCF/Cat.		99 % / 70 % / 4
AS-i classification		
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
Mechanical data		
Cable length between module and mechanical contacts		< 5 m
Housing materials		PBT (Pocan)
Weight	[kg]	0.32
Displays / operating elements		
Operation	LED	green
Error	LED	Red
Function display	LED	yellow
Electrical connection		
Wiring		
1 5 — 4 3		Socket I-1 connection fail-safe sensor 1: L+ 2: clock input TE 3: L- 4: Output OUT 5: not used
1 5 — 4 3		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