

Alternative article: AC505S

When selecting an alternative article and accessories please note that technical data may differ!

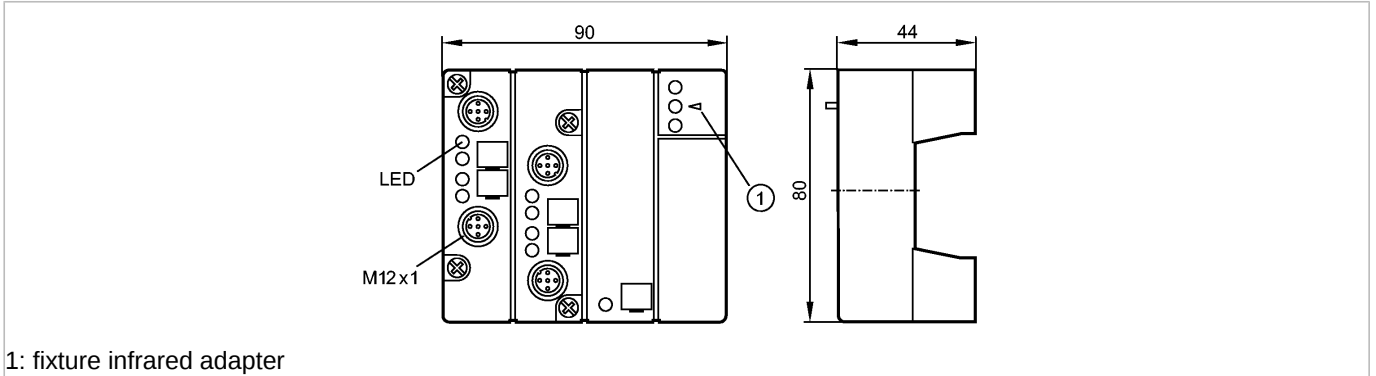
ecomat300

AC006S



ClassicL90 2SI 2DO T M12

AS-Interface bus system



1: fixture infrared adapter



Product characteristics

Safe active AS-i ClassicLine module

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

Sockets M12 x 1

IR addressing possible

Performance Level e
to EN ISO 13849-1

for the connection of mechanical contacts

Complies with the requirements:

EN ISO 13849-1: Category 4 PL e

IEC 61508: SIL 3

Electrical data

Electrical design

2 safe inputs / 2 non-safe LED outputs / 2 non-safe transistor outputs

Operating voltage [V]

26.5...31.6 DC

Current consumption [mA]

< 250

Max. current load per module [mA]

2000

Inputs

digital

Circuit

DC PNP

Sensor supply

AS-i

Short-circuit detection

yes

Input current [mA]

10

Cross-bridging detection

yes

Outputs

LED output / supply via AS-i
digital

yes

Output function

Transistor outputs

Voltage range [V]

18...30 DC

Actuator supply

24 V DC

Max. current load per output [mA]

1000

Electrically separated

yes

Integrated watchdog

yes

Short-circuit proof

yes

Environment

Ambient temperature [°C]

-25...55

Protection

IP 67; in conjunction with FC lower part and AS-i flat cable

Tests / approvals

EMC

EN 50081-1

EN 50295

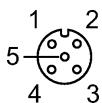
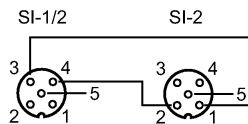
AC006S - Safe active AS-i ClassicLine module - eclass: 27279215 / 27-27-92-15

Safety classification

Mission time TM [h]	87600, (10 years), calculation basis: ambient temperature 40° C
Safety-related reliability PFHd [1/h]	2.2E-09
MTTFd [Years]	8513
DC/CCF/Cat.	98 % / 65 % / 4
AS-i classification	
AS-i version	2.1
Extended addressing mode possible	no
Max. number of safety modules per master	31
AS-i profile	S-7.B.E
I/O configuration [hex]	7
ID code [Hex]	B.E
AS-i certificate	75501
Mechanical data	
Cable length between module and mechanical contacts	< 10
Housing materials	PBT (Pocan)
Weight [kg]	0.332
Displays / operating elements	
Power LED	green
Error LED	red
Function display LED	yellow

Electrical connection

Wiring



Socket SI-1/2

- Pin 1: S-11
- Pin 2: S-12
- Pin 3: S-21
- Pin 4: S-22
- Pin 5: not used

Socket SI-2

- Pin 1: S-21
- Pin 2: S-22
- Pin 3: not used
- Pin 4: not used
- Pin 5: not used

Socket O-3/4

- Pin 1: supply + 24 V
- Pin 2: not used
- Pin 3: supply 0 V
- Pin 4: Output (p)
- Pin 5: not used

Remarks

Pack quantity [piece]	1
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