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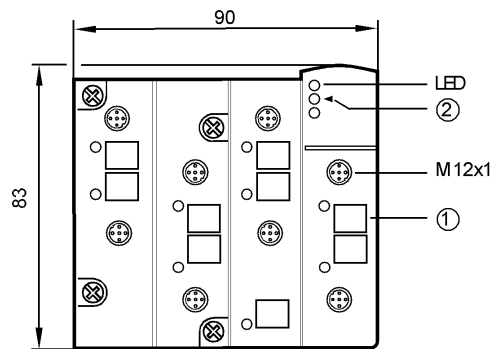
**ecomat300**

AC2509



ClassicLine90 4DI 4DO T M12

AS-Interface bus system



1: label

2: fixture infrared adapter



Product characteristics

Active ClassicLine module

AS-i interface to FC-E lower parts

Sockets M12 x 1

IR addressing possible

Version 2.1

Digital inputs and outputs

Electrical data

Electrical design

4 inputs / 4 outputs

Operating voltage [V]

26.5...31.6 DC

Total current consumption from AS-i [mA]

< 250

Max. current load per module [mA]

2000

Inputs

digital

Circuit

DC PNP

Sensor supply

AS-i

Voltage range [V]

18...30 DC \*\*)

Max. current load for all inputs total [mA]

200

Input current High/Low [mA]

6...10 / 0...2

Switching level High signal 1 [V]

> 11

Short-circuit proof

yes

Outputs

digital

Output function

transistor PNP

Voltage range [V]

24DC (15...30 DC) \*\*\*) \*\*\*\*)

External voltage supply

according to PELV

Max. current load per output [mA]

1000\*) \*\*\*)

Electrically separated

yes

Integrated watchdog

yes

Short-circuit proof

yes

Environment

Ambient temperature [°C]

-25...70

Protection

IP 67

# AC2509 - Active ClassicLine module - eclass: 27259090 / 27-25-90-90

## Tests / approvals

EMC	EN 50295
MTTF [Years]	171
AS-i classification	
AS-i version	2.1
Extended addressing mode possible	version 2.1 / no
AS-i profile	S-7.0.E
I/O configuration [hex]	7
ID code [Hex]	0.E
AS-i certificate	39301

Data bit	D0	D1	D2	D3
Input	1	2	3	4
Socket	I-1	I-2	I-3	I-4
Pin	2+4	2+4	2+4	2+4
Output	1	2	3	4
Socket	O-1	O-2	O-3	O-4
Pin	4	4	4	4

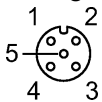
## Mechanical data

Housing materials	PBT (Pocan)
Weight [kg]	0.192
Displays / operating elements	
Power LED	green
Error LED	red
Function display LED	yellow

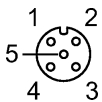
## Electrical connection

Connection	Contact pins at FK-E lower part
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## Wiring



- Inputs
- 1: Sensor supply L+
  - 2+4: Data input (internally bridged)
  - 3: Sensor supply L-
  - 5: not used



- Outputs
- 1: not used
  - 2: not used
  - 3: External voltage AUX -
  - 4: Switching output +
  - 5: not used

## Accessories

Accessories (optional)	Module lower part
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## Remarks

Remarks	<p>*) Utilisation category (DC13): The switch-on and switch-off capacity for the triggering of solenoids is rated up to 20 W (to IEC 60947-5-1) Inputs and outputs must be electrically isolated. **) via flat cable ***) 700 mA according to cULus ****) for cULus the voltage must comply with the values specified in "Limited Voltage/Current" Do not connect any of the points I-, I+, I1, I2, I3, I4 to an external potential since they are electrically connected to the AS-i cable.</p>
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Pack quantity [piece]	1
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