

Product characteristics

Active CompactLine module

AS-i flat cable connection

Sockets M12 x 1

IR addressing possible

Metal parts from stainless steel

Digital inputs

Electrical data

Electrical design

Operating voltage [V]

Total current consumption from AS-i [mA]

Inputs

digital

Circuit

Sensor supply

Voltage range [V]

Max. current load for all inputs total [mA]

Input current limitation [mA]

Input current High/Low [mA]

Switching level High signal 1 [V]

Short-circuit proof

Environment

Ambient temperature [°C]

Protection

Tests / approvals

EMC

AS-i classification

AS-i version

Extended addressing mode possible

4 inputs

26.5...31.6 DC; cULus - Class 2 source required

< 250

PNP

AS-i

20...30 DC

200

15

6...10 / 0...2

> 11

yes

-25...80

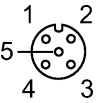
IP 67; (enclosure type 1); when flat cables E7400x and E7401x are used

EN 50295

2.11 + 3.0

no

# AC2451 - Active CompactLine module - eclass: 27259090 / 27-25-90-90

AS-i profile	S-0.0.E				
I/O configuration [hex]	0				
ID code [Hex]	0.E				
AS-i certificate	40501				
Data bits	<b>Data bit</b>	<b>D0</b>	<b>D1</b>	<b>D2</b>	<b>D3</b>
	Input	1	2	3	4
	Socket	I-1	I-2	I-3	I-4
	Pin	2+4	2+4	2+4	2+4
Mechanical data					
Housing materials	PA; socket: stainless steel 316L / 1.4404; threaded inserts in the lower part: stainless steel 316L / 1.4404; screws: stainless steel (1.4578/316LCu); Piercing contacts: CuSn6 surface nickel and tin-plated; O-Ring (socket): EPDM				
Weight [kg]	0.247				
Displays / operating elements					
Power LED	green				
Error LED	red				
Function display LED	yellow				
Electrical connection					
<b>Wiring</b>					
	<p>Inputs</p> <p>Pin 1: Sensor supply L+</p> <p>Pin 2+4: Data input 1 (internally bridged)</p> <p>Pin 3: Sensor supply L-</p> <p>Pin 5: functional earth</p>				
Accessories					
Accessories (optional)	stainless steel sleeve for installation in case of high mechanical stress (E70402)				
Remarks					
Remarks	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.				
Pack quantity [piece]	1				