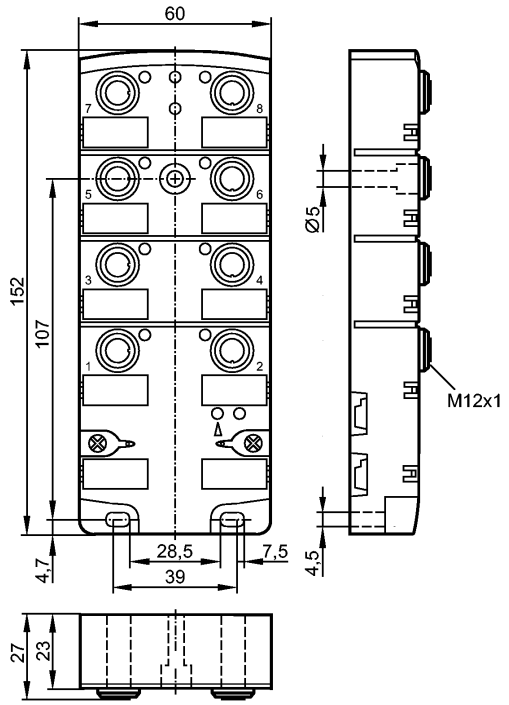
ecomat300

AC2452

CompactModule 4DI 4DOT M12 V4A

AS-Interface bus system



Product characteristics

Active CompactLine module		
AS-i flat cable connection		
Sockets M12 x 1		
IR addressing possible		
Metal parts from stainless steel		
Digital inputs and outputs		
Electrical data		
Electrical design		4 inputs / 4 outputs
Operating voltage	[V]	26.5...31.6 DC (AS-i) / 10...30 DC (AUX); cULus - Class 2 source required
Total current consumption from AS-i	[mA]	< 250
Max. current load per module	[mA]	4000
Inputs digital		
Circuit		PNP
Sensor supply		AS-i
Voltage range	[V]	20...30 DC
Max. current load for all inputs total	[mA]	200
Input current limitation	[mA]	15
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]	10...30 DC
External voltage supply		to PELV *)
Max. current load per output	[mA]	2000 **)

AC2452 - Active CompactLine module - eclass: 27259090 / 27-25-90-90

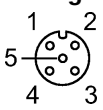
Electrically separated		yes
Integrated watchdog		yes
Short-circuit proof		yes
Environment		
Ambient temperature	[°C]	-25...80
Protection		IP 67; (enclosure type 1); when flat cables E7400x and E7401x are used
Tests / approvals		
EMC		EN 50295
AS-i classification		
Extended addressing mode possible		no
AS-i profile		S-7.0.E
I/O configuration [hex]		7
ID code [Hex]		0.E
AS-i certificate		46001

Data bits

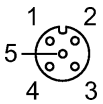
Data bit	D0	D1	D2	D3
Input	1	2	3	4
Socket	I-1	I-2	I-3	I-4
Pin	2+4	2+4	2+4	2+4
Output	1	2	3	4
Socket	O-1	O-2	O-3	O-4
Pin	4	4	4	4

Mechanical data		
Housing materials		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]	0.369
Displays / operating elements		
Power	LED	green
Error	LED	red
Function display	LED	yellow
Electrical connection		

Wiring



Inputs
Pin 1: Sensor supply L+
Pin 2+4: Data input 1 (internally bridged)
Pin 3: Sensor supply L-
Pin 5: functional earth



Outputs
Pin 3: External voltage AUX -
Pin 4: Switching output
Pin 5: functional earth (FE)
Pin 1, 2: not used

Accessories		
Accessories (optional)		stainless steel sleeve for installation in case of high mechanical stress (E70402)
Remarks		
Remarks		Inputs and outputs must be electrically isolated. 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. *) via black flat cable **) 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)
Pack quantity	[piece]	1