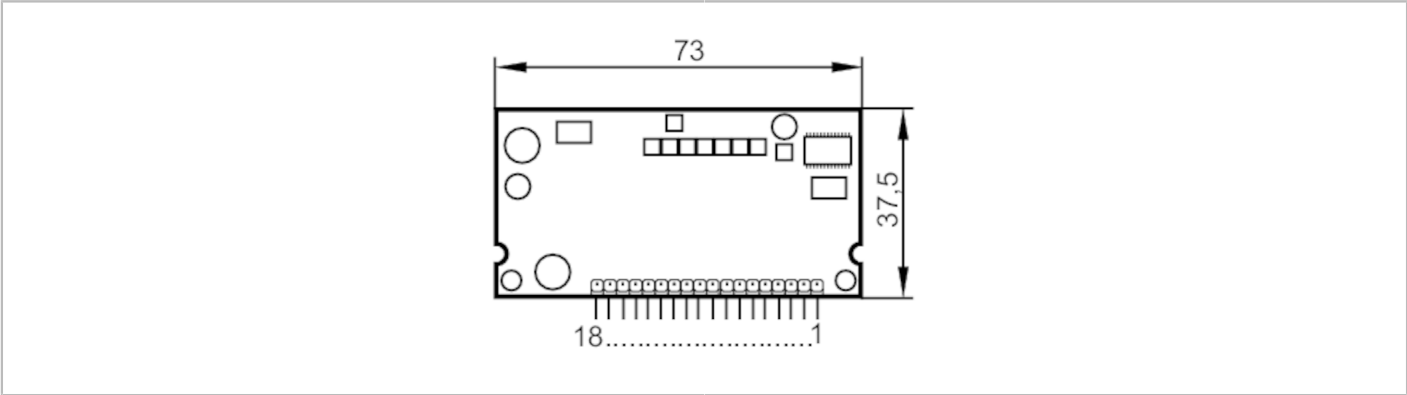




AS-Interface PCB module

Circuit board

Article no longer available - archive entry



Application		
Application	Housing for panel mounting	
Electrical data		
Operating voltage	[V]	26.5...31.6 DC
Current consumption	[mA]	< 200
Max. current load total	[A]	0.18
Integrated watchdog		yes
Inputs / outputs		
Number of inputs and outputs	Number of digital inputs: 4; Number of digital outputs: 4	
Inputs		
Number of digital inputs		4
Sensor supply of the inputs		AS-i
Voltage supply	[V]	20...30
Max. total current rating of inputs	[mA]	180
Input current High	[mA]	> 1.5
Input current low	[mA]	< 5
Digital inputs protected against short circuits		yes
Outputs		
Electrical design		PNP
Number of digital outputs		4
Voltage range DC	[V]	30...18
Max. current load per output	[mA]	100; (note current load for all inputs and outputs)
Short-circuit proof		yes
Actuator supply outputs		AS-i
Operating conditions		
Ambient temperature	[°C]	-25...70
Protection		IP 00



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Tests / approvals

EMC	EN 50295	
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AS-i classification

AS-i version	2.1					
Extended addressing mode	no					
AS-i master profile	M2; M3; M4					
AS-i profile	S-7.0.F					
AS-i I/O configuration [hex]	7					
AS-i ID code [hex]	0.F					
Data bits	Data bit	D0	D1	D2	D3	
	Input	I-1	I-2	I-3	I-4	
	Output	O-1	O-2	O-3	O-4	
Parameter bits	Parameter bit	Function				
	P0	not used				
	P1	not used				
	P2	not used				
	P3	not used				

Mechanical data

Weight [g]	28.7
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Remarks

Remarks	The AS-i module is a PCB solution for an AS-i slave, supply via AS-i. A watchdog function switches the outputs off if there is no communication on the AS-i line.
Pack quantity	1 pcs.

Electrical connection

screw terminals:	
1	AS-i +
2	AS-i -
3	off
4	+
5	0V
6	Output 4
7	Input 4
8	0V
9	Output 3
10	Input 3
11	0V
12	Output 2
13	Input 2
14	0V
15	Output 1
16	Input 1
17	+
18	n.c.