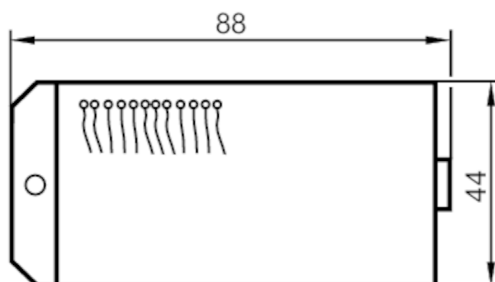




AS-Interface PCB module

Valvehead module 4DI 3DO T



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; (total current for all inputs and outputs supplied from AS-i: 180 mA)
Integrated watchdog		yes
Inputs / outputs		
Number of inputs and outputs	Number of digital inputs: 4; Number of digital outputs: 3	
Inputs		
Number of digital inputs		4
Input circuit of digital inputs		PNP
Sensor supply of the inputs		AS-i
Power supply	[V]	20...30; (DC)
Digital inputs protected against short circuits		yes
Outputs		
Electrical design		PNP
Number of digital outputs		3
Voltage range DC	[V]	18...30; (DC)
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 20
Tests / approvals		
EMC	EN 50295	
AS-i classification		
AS-i version		2.1
Extended addressing mode		yes



AS-Interface PCB module

Valvehead module 4DI 3DO T

AS-i master profile	M2; M3; M4				
AS-i profile	S-7.A.F				
AS-i I/O configuration	[hex]	7			
AS-i ID code	[hex]	A.F			
Assignment of the data bits	data bit	D0	D1	D2	D3
	input	I-1	I-2	I-3	I-4
	Output	O-1	O-2	O-3	-

Mechanical data

Weight [g]	80
Housing	potted plastic housing
Dimensions [mm]	16 x 88 x 41

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

Cable: 0.2 m

brown	AS-i +
blue	AS-i -
red	+
black	0 V
white	I-4
yellow	O-3
white	I-3
yellow	O-2
white	I-2
yellow	O-1
white	I-1