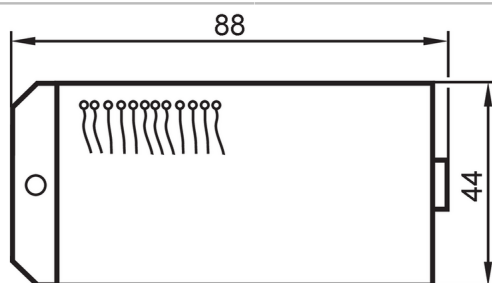




AS-Interface PCB module

Valvehead module 4DI 3DO T



Application

Application	For integration of mechanical switches into AS-i networks
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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
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Inputs

Number of digital inputs	4
Input circuit of digital inputs	PNP
Sensor supply of the inputs	AS-i
Voltage 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
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AS-i classification

AS-i version	2.1
Extended addressing mode	yes
AS-i master profile	M2; M3; M4
AS-i profile	S-7.A.F

AC2730



AS-Interface PCB module

Valvehead module 4DI 3DO T

AS-i I/O configuration	[hex]	7			
AS-i ID code	[hex]	A.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	-

Mechanical data					
Weight	[g]	80			
Housing		rectangular			
Dimensions	[mm]	88 x 41 x 16			
Material		housing: plastics potted			

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