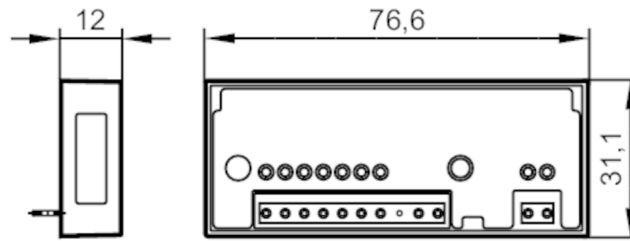


AS-Interface PCB module

PCB 4DI 3DO T W A/B



Application

Application	housing for panel mounting
-------------	----------------------------

Electrical data

Operating voltage	[V]	18...31.6 DC
Max. current consumption from AS-i	[mA]	180; (without sensors: < 30 mA; inputs and outputs active: < 180 mA)
Protection class		III
Max. current load total	[A]	0.15; (total current for all inputs and outputs supplied from AS-i: 150 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]	18...30; (DC)
Max. total current rating of inputs	[mA]	150
Input current High	[mA]	6...10
Input current Low	[mA]	0...2
Switching level high	[V]	> 11
Digital inputs protected against short circuits		yes

Outputs

Electrical design	PNP
Number of digital outputs	3
Circuit	PNP
Voltage range DC [V]	18...30; (DC)
Max. current load per output [mA]	100; (utilisation category DC-13 (control of electromagnets): 2,5 W (IEC 60947-5-1))
Max. current load outputs total [A]	0.15
Short-circuit proof	yes
Electrically separated	yes
Actuator supply outputs	AS-i



AS-Interface PCB module

PCB 4DI 3DO T W A/B

Operating conditions		
Ambient temperature	[°C]	-25...55
Protection		IP 20
Tests / approvals		
EMC	EN 50295	
MTTF	[years]	315
AS-i classification		
AS-i version		3.0
Extended addressing mode		yes
AS-i master profile		M2; M3; M4
AS-i profile		S-7.A.E
AS-i I/O configuration	[hex]	7
AS-i ID code	[hex]	A.E
AS-i certificate		102401
Mechanical data		
Weight	[g]	72.5
Type of mounting		installation in a surface-mounted housing
Dimensions	[mm]	31.1 x 12 x 76.6
Materials		housing: PC potted
Displays / operating elements		
Display	operation	LED, green
	errors	LED, red
	function	LED, yellow
Remarks		
Remarks	A watchdog function switches the outputs off if there is no communication on the AS-i line.	
	Install the unit so that exposed parts cannot be touched.	
	Installation in a surface-mounted housing with the dimensions of 68 x 136 x 53 mm (LxWxH), e.g. Schneider Electric Harmony, XALD03, XALD04	
	Do not connect any of the following points to an external potential:	
	0-, I+, I1, I2, I3, I4	
	The connections are electrically connected with the AS-i cable.	
	can be used up to a height of 2000 metres above sea level	
Pack quantity		1 pcs.
Electrical connection		
Cable: 0.2 m, PVC;,, PVC		
I1 WH	switching input sensor 1	
I2 WH	switching input sensor 2	
I3 WH	switching input sensor 3	
I4 WH	switching input sensor 4	
O1 YE	switching output actuator 1	
O2 YE	switching output actuator 2	
O3 YE	switching output actuator 3	
0- BK	sensor and actuator supply 0 V	
I+ RD	sensor and actuator supply 24 V	
AS-i - (FLT) BU	AS-i -	
AS-i + (PWR) BN	AS-i +	