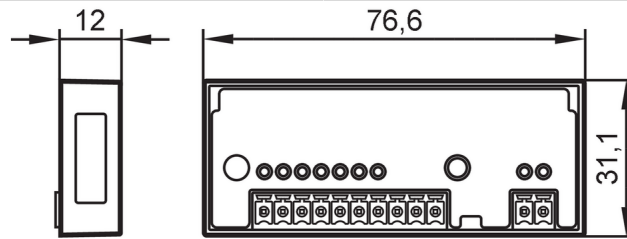


AC2753



AS-Interface PCB module

PCB 4DI 3DO T C A/B



Application

Application	For integration of mechanical switches into AS-i networks
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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
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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]	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; (utilization 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

Operating conditions

Ambient temperature	[°C]	-25...55
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AS-Interface PCB module

PCB 4DI 3DO T C A/B

Protection		IP 20	
Tests / approvals			
EMC		EN 50295	
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]		68	
Housing		rectangular	
Type of mounting		Installation in a surface-mounted housing	
Dimensions [mm]		31.1 x 76.6 x 12	
Material		housing: PC potted	
Displays / operating elements			
Display		Power	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			
screw terminals:			
I1	Switching input sensor 1		
I2	Switching input sensor 2		
I3	Switching input sensor 3		
I4	Switching input sensor 4		
O1	Switching output actuator 1		
O2	Switching output actuator 2		
O3	Switching output actuator 3		
0-	sensor- and actuator supply 0 V		
I+	sensor- and actuator supply 24 V		
AS-i - (FLT)	AS-i -		
AS-i + (PWR)	AS-i +		