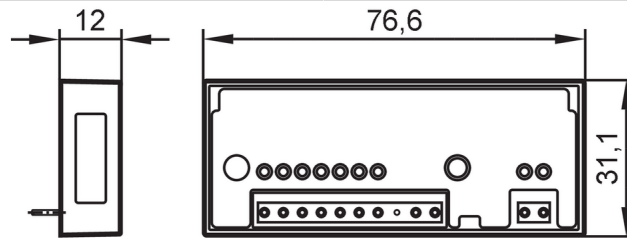


AC2751



AS-Interface PCB module

PCB 4DI 3DO T W A/B



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



AS-Interface PCB module

PCB 4DI 3DO T W A/B

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	
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			
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 +		