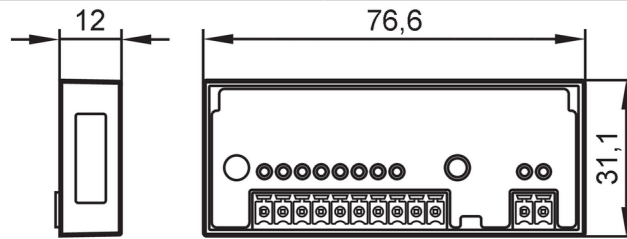




AS-Interface PCB module

PCB 4DI 4DO T C A/B



Application		
Design		Only for operation with AS-i masters with the profile M4
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: 4
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		4
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
Operating conditions		
Ambient temperature	[°C]	-25...55



AS-Interface PCB module

PCB 4DI 4DO T C A/B

Protection	IP 20	
Tests / approvals		
EMC	EN 50295	
MTTF [years]	220	
AS-i classification		
AS-i version	3.0	
Extended addressing mode	yes	
AS-i master profile	M4	
AS-i profile	S-7.A.7	
AS-i I/O configuration [hex]	7	
AS-i ID code [hex]	A.7	
AS-i certificate	102301	
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	
O4	Switching output actuator 4	
0-	sensor- and actuator supply 0 V	
I+	sensor- and actuator supply 24 V	
AS-i - (FLT)	AS-i -	
AS-i + (PWR)	AS-i +	