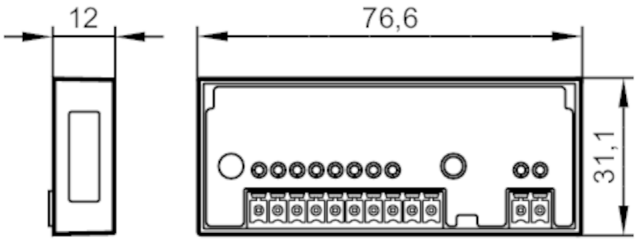
AC2752

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		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: 4
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		4
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

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Operating conditions		
Ambient temperature	[°C]	-25...55
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
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

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 +