AS-i OEM-Module for building services engineering

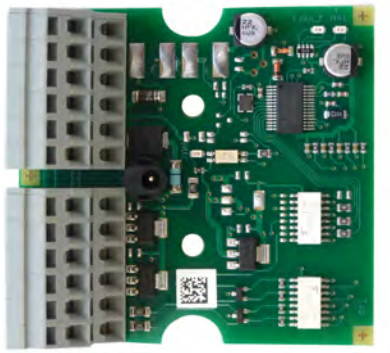
Bihl + Wiedemann
THE AS-INTERFACE MASTERS

AS-i OEM-Module

AS-i Specification 3.0

AB Slave (up to 62 slaves)

In- and outputs supllied by ext. 24V



The AS-i 4I/3O Module, which meets the requirements of the new AS-i Specification 3.0 is the board based solution for an AS-i slave with 4 inputs and 3 outputs.

The inputs and outputs are powered out of separated 24V. They are short circuit and overload protected and can each be loaded with up to 500mA (outputs). If bus communication is interrupted (master failure), the outputs are switched to their currentless switching state by the watchdog. Connection by spring-type terminals.

Article no.	BW2128
Connection	
Connection	cage clamp terminals
Length of connector cable	I/O: max. 15 m
AS-i	
Profile	S-7.A.E
voltage	20 … 30V DC
Operating voltage	via AS-i
Operating current	≤ 70mA
Quiescent current (Input = 0, Output = 0)	≤20mA
Input	
Number	4 (electronic)
Output	
Number	3 (electronic)
Capacity	500mA per output from 24V supply
Display	
LED AS-i (green)	LED on: voltage at the AS-i clamp LED flashing: error, e.g. slave on adress 0 (default setting) or peripheral fault
LED FLT/FAULT (red)	LED on:AS-i communication error LED flashing: AS-i peripheral fault, e.g. no 24V or short circuit at an output, fuse
LED AUX (green)	LED on: 24V available LED off: absence 24V
Environment	
Applied standards	EN 61 000-6-2 EN 61 000-6-4
Operating temperature	-25°C … +70°C
Storage temperature	-40°C … +70°C
Protection category DIN EN 60 529	IP00
Maximum tolerable shock and vibration stress	≤ 15 g, T ≤ 11 ms 10 … 55 Hz, 0,5 mm amplitude
Dimensions (W / H / D in mm)	68 / 70 / 32
Weight	40 g

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Programming	Bit setting			
	D0	D1	D2	D3
	Input			
	I1	I2	I3	I4
	Output			
	O1	O2	O3	–
	Parameter bit			
	P0	P1	P2	P3
	0 = Off/1 = On (watchdog)	0 = On/1 = Off (data input filter 128 µs)	0 = On/1 = Off (synchronous I/O mode)	not used

Programming notes:	
IO-Code	7
ID-Code	A
ID1-Code	7 (default)
ID2-Code	E