


## ASi Safety Circuit Board Module

Connection of 2 safe switching contacts

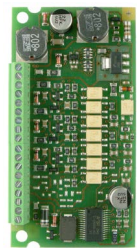
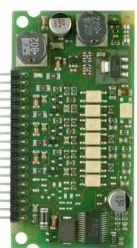
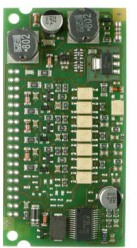

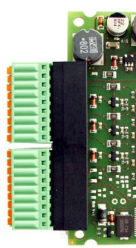
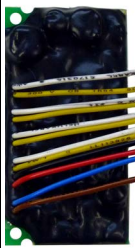


(figure similar)





Figure	Type	Inputs Safety, SIL 3, cat. 4	Safety signal inputs	Outputs digital	Connection <sup>(1)</sup>	Coating <sup>(2)</sup>	ASi address <sup>(3)</sup>	Article no
	circuit board 73mm x 37,5mm	1 x 2 channels	floating contacts	1 x electronic	wiring pins, straight	no	1 Single address	<b>BWR4787</b>

(1) **Connection:** further connection options are available on request.

screw terminals nominal cross section 0,5 mm <sup>2</sup>	wiring pins contact spacing 2,54 mm	solder lugs contact spacing 2,54mm	socket board nominal cross section 0,65 mm <sup>2</sup>	plug-in spring type terminals nominal cross section 0,5 mm <sup>2</sup>	connecting wires nominal cross section 0,34 mm Length 100 / 200 mm (other lengths available on request)
					

(2) **Coating:** Coating protects components and circuit boards when touched.

thin coated	thick coated
	

(3) **ASi address:** 1 AB address (max. 62 AB addresses/ASi network), 2 AB addresses (max. 31 modules with 2 AB addresses), Single addresses (max. 31 Single addresses/ASi network), mixed use allowed.

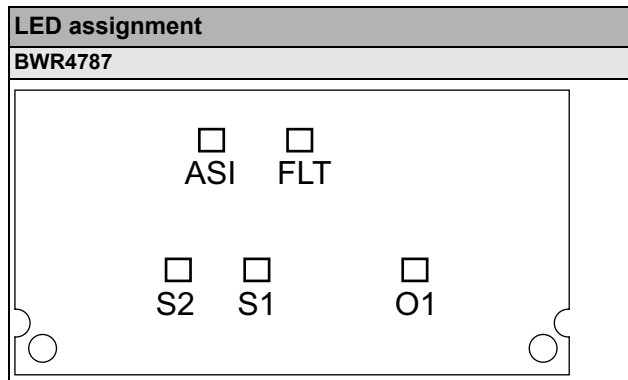
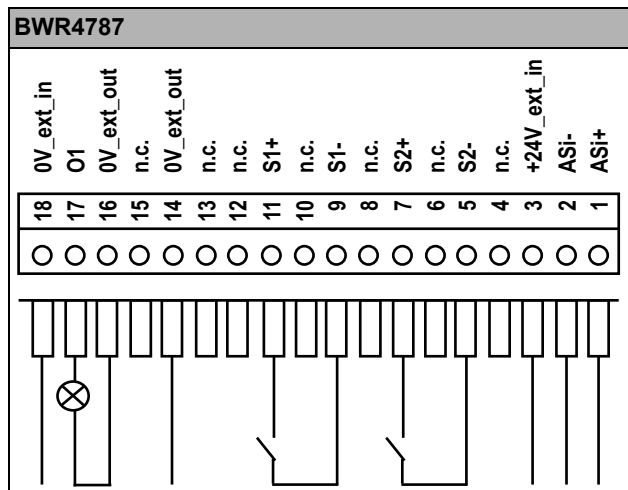
# Circuit Board Module ASi, Safety PCB Solutions

<b>Article no.</b>	<b>BWR4787</b>
<b>Connection</b>	
Connection	wiring pins, straight
Length of connector cable	I/O: max. 15 m <sup>(1)</sup>
<b>ASi</b>	
Profile, S-IO.ID.ID2	S-7.B.0
Address	1 single address
Required Master profile	≥ M0
Since ASi specification	2
Voltage	22 .... 31,6V
Max. current consumption	< 80 mA
<b>AUX</b>	
Voltage	24 V (20 ... 30 V <sub>DC</sub> ) (PELV)
Max. current consumption	1,5 A at output short-circuit
<b>Input</b>	
Number	1 x 2 channels
Safety signal	floating contacts
Power supply	out of ASi
Switching threshold	U <sub>in</sub> < 2 V low, U <sub>in</sub> > 10 V high
Max. loop resistance (switch)	200 Ω
<b>Output</b>	
Number	1 x electronic, short-circuit protected
Power supply	out of AUX
Max. output current	100 mA per output
<b>Display</b>	
LED FLT (red)	ASi communication error
LED ASi (green)	ASi voltage
LED S1, S2 (yellow)	state of safe inputs
LED Out1 (yellow)	state of output
<b>Environment</b>	
Applied standards	EN 60529 EN 61000-6-2 EN 61000-6-4 EN 62061 SIL 3 EN ISO13849-1 PLe
Ambient temperature	-30 °C ... +75 °C no condensation permitted
Storage temperature	-25 °C ... +85 °C
Protection category	IP00
Coated	no
Allowable shock and vibration stress	≤15g, T ≤11 ms 10 ... 55 Hz, 0,5 mm amplitude
Weight	27 g
Dimensions (W / H / D in mm)	73 / 37,5 / 12

<sup>(1)</sup> loop resistance: ≤ 150Ω

# Circuit Board Module ASI, Safety PCB Solutions

Programming:	ASi Bit-setting			
	D3	D2	D1	D0
	Safe input			
BWR4787	S2	S2	S1	S1
	Output			
BWR4787	not used	not used	not used	O1
	Parameter bit			
	P3	P2	P1	P0
BWR4787	not used	not used	not used	not used



### Accessories:

- ASI-5/ASI-3 Address Programming Device (art. no. BW4925)
- Bihl+Wiedemann Safety Suite License - Safety Software for Configuration, Diagnostics and Commissioning (art. no. BW2916)