


Special variants on request



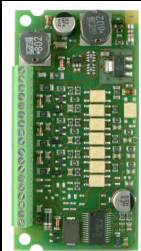
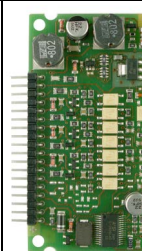
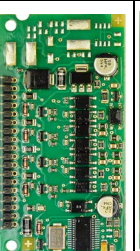
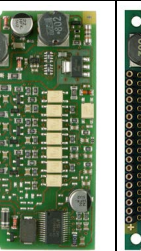
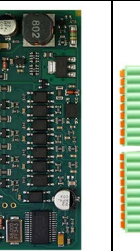
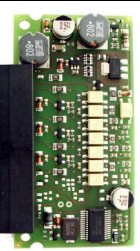

(Figure similar)





Figure	Circuit board dimensions <sup>(1)</sup>	Inputs digital	Outputs digital	Connec-tion <sup>(2)</sup>	Coated <sup>(3)</sup>	LED status display <sup>(4)</sup>	Input voltage (sensor supply) <sup>(5)</sup>	Output voltage (actuator supply) <sup>(6)</sup>	ASi address <sup>(7)</sup>	Art.no.
	73mm x 37,5mm	4	4 x electronic	screw terminals	yes	yes	out of ASi	out of AUX	1 AB address	<b>BWR3219</b>

(1) **Circuit board dimensions:** 2 holes for assembly angles.

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

screw terminals nominal cross section 0,5 mm <sup>2</sup>	wiring pins, angled contact spacing 2,54 mm	wiring pins, straight 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)
						

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

coated	thick coated
	

(4) **LED status display:** status of in- and outputs is indicated by LEDs. In addition to that, both ASi LEDs (PWR green and FAULT red) show - as usual regarding the ASi slaves - the status of the ASi slaves. Uaux is indicated by a green LED.

(5) **Input voltage (sensor supply):** inputs are supplied by ASi or by AUX (auxiliary 24 V power). If supplied by ASi, inputs shall not be connected to earth or to external potential.

(6) **Output voltage (actuator supply):** outputs are supplied by ASi or by AUX (auxiliary 24 V power). If supplied by ASi, outputs shall not be connected to earth or to external potential.

(7) **ASi address:** 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. For modules with two ASi nodes the second ASi node is turned off as long as the first ASi node is addressed to address "0". Upon request, ASi node are available with specific ASi address profiles.

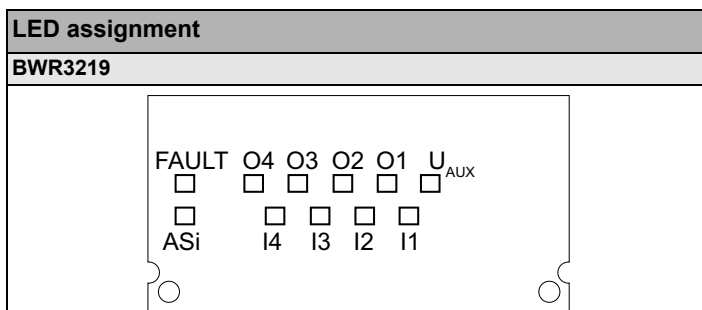
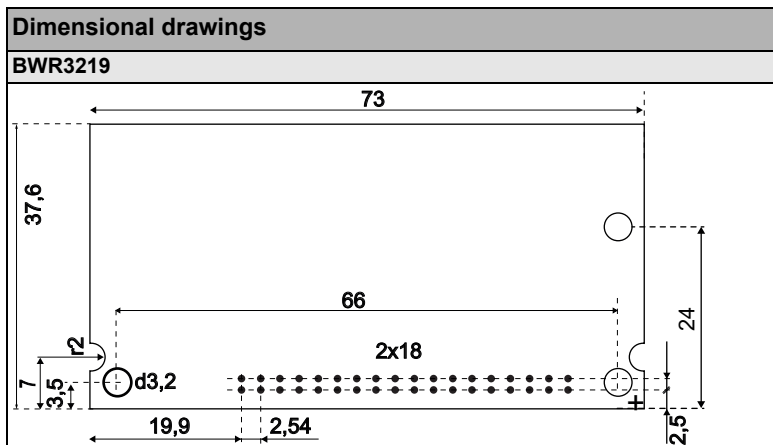
<b>Article no.</b>		<b>BWR3219</b>
<b>Connection</b>		
ASi / AUX connection		screw terminals
Peripheral connection		screw terminals
Length of connector cable		I/O: max. 1,5 m <sup>(1)</sup>
<b>ASi</b>		
Profile		S -7.A.7, ID1=7 (fixed)
Address		1 AB address
Required Master profile		≥M4
Since ASi specification		3
Operating voltage		18 ... 31,6 V
Max. current consumption		230 mA
<b>AUX</b>		
Voltage		24 V (18 ... 30 V)
Max. current consumption		500 mA
<b>Inputs digital</b>		
Number		4
Power supply		out of ASi
Power supply of attached sensors	up to 50 °C	max. 180 mA
	at 55 °C	
	at 70 °C	
Input level		$U_{in} < 2 \text{ V low}, U_{in} > 10 \text{ V high}$
<b>Outputs digital</b>		
Number		4
Power supply		out of AUX
Max. current consumption	up to 50 °C	250 mA per output $\sum \leq 500 \text{ mA}$
	at 55 °C	
	at 70 °C	
<b>Display</b>		
LED indicators		yes
<b>UL Recognized Component</b>		
In general		RU mark does not provide UL certification for any functional safety rating or aspects of the above devices
External protection		The input to the devices need to be provided with a fuse rated 4 A max or else the devices need to be powered from a class 2 or a SELV limited power source.
<b>Environment</b>		
Applied standards		EN 61000-6-2 EN 61000-6-3 EN 60529
Operating altitude		max. 2000 m
Ambient temperature		-25 °C ... +60 °C
Storage temperature		-25 °C ... +85 °C
Protection class		IP00
Coating		yes
Allowed 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 / 13

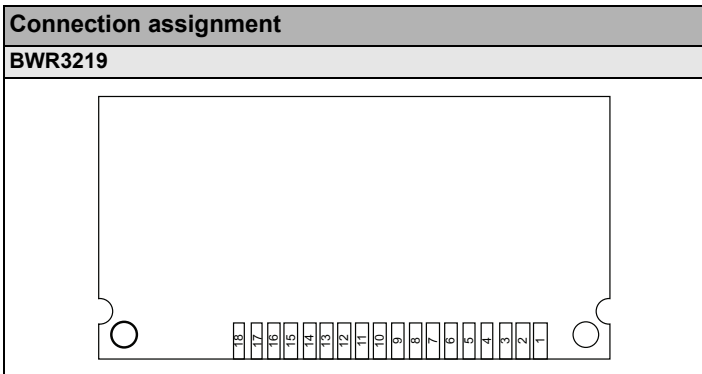
<sup>(1)</sup> loop resistance: ≤150 Ω

Programming	Bit Setting Digital IO			
	D0	D1	D2	D3
	input			
BWR3219	I1	I2	I3	I4
Programming	output			
	BWR3219	O1	O2	O3

Programming	Parameter bit			
	P0	P1	P2	P3
BWR3219	not used			

Connections:	
ASi +, ASi -	Connection to the ASi bus
Ix	Input x
Ox	Output x
0 V	Reference potential for outputs
+ or +24V	Output for 24 V power supply for the inputs
+24 V_in	Input for 24 V power supply
+24 V_12, +24_34	Output for 24 V power supply for inputs 1+2 and/or 3+4
Sig1+, Sig2+	Positive terminal of analog inputs 1+2
Sig1-, Sig2-	Negative terminal of analog inputs 1+2
n.c.	not connected





**Notice**  
 You shall not connect wiring with connections marked **n.c.** (**not connected**).

