

Potted



(Figure similar)

Figure	Circuit board dimensions ⁽¹⁾	Inputs digital	Outputs digital	Inputs analog	Connec- tion	Coated	LED status display ⁽²⁾	Input voltage (sensor supply) ⁽³⁾	Output voltage (actuator supply) ⁽⁴⁾	ASi address ⁽⁵⁾	Art.no.
	74.5 mm x 40.5 mm	4	4 x electronic	—	plug-in screw terminals, straight	potted	yes	out of ASi	out of ASi	1 AB address	BWR3200

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

(2) **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 node - the status of the ASi node. Uaux is indicated by a green LED.

(3) **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.

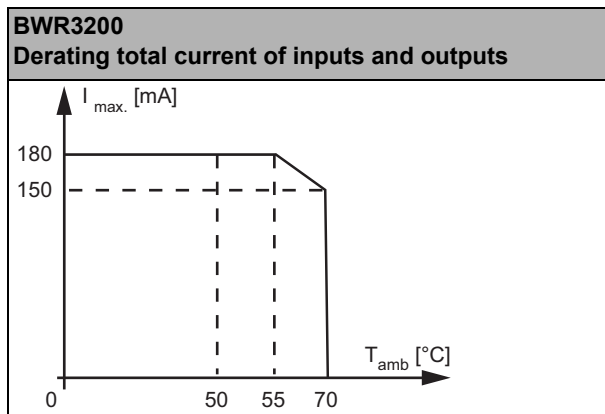
(4) **Output voltage (actuator supply):** outputs are supplied by ASi or by AUX (auxiliary 24 V power). If supplied by ASi, outputs shall not be connected to earth or to external potential.

(5) **ASi address:** AB address (max. 62 AB addresses/ASi network), 2 AB addresses (max. 31 modules with 2 AB addresses), single address (max. 31 single addresses/ASi network), mixed use allowed. For modules with two nodes the second node is turned off as long as the first node is addressed to address "0". Upon request, modules are available with specific ASi node profiles.

Article no.		BWR3200
Connection		
ASi connection		plug-in screw terminals, straight
Peripheral connection		plug-in screw terminals, straight
Length of connector cable		I/O: max. 1.5 m ⁽¹⁾
ASi		
Profile		S-7.A.7, ID1=7 (fixed)
Address		1 AB address
Required Master profile		≥M4
Since ASi specification		ASi-3
Operating voltage		18 ... 31.6 V
Max. current consumption		230 mA
AUX		
Voltage		–
Max. current consumption		–
Inputs digital		
Number		4
Power supply		out of ASi
Power supply of attached sensors	up to +50 °C	max. 180 mA, Σ (In/Out) ≤180 mA ⁽²⁾
	at +55 °C	
	at +70 °C	max. 150 mA, Σ (In/Out) ≤150 mA ⁽²⁾
Input level		U _{in} <2 V low, U _{in} >10 V high
Outputs digital		
Number		4
Power supply		out of ASi
Max. current consumption	up to +50 °C	100 mA per output, Σ (In/Out) ≤180 mA ⁽²⁾
	at +55 °C	
	at +70 °C	100 mA per output, Σ (In/Out) ≤150 mA ⁽²⁾
Display		
LED indicators		yes
UL Recognized Component		
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.
Environment		
Applied standards		EN 61000-6-2 EN 61000-6-3 EN 60529
Operating altitude		max. 2000 m
Ambient temperature		-25 °C ... +70 °C
Storage temperature		-25 °C ... +85 °C
Protection class		IP00 (coated)
Coating		potted
Allowed shock and vibration stress		≤15g, T≤11 ms, 10 ... 55 Hz, 0,5 mm amplitude
Weight		82 g
Dimensions (W / H / D in mm)		74.5 / 40.5 / 22 (without plug-in connector plug)

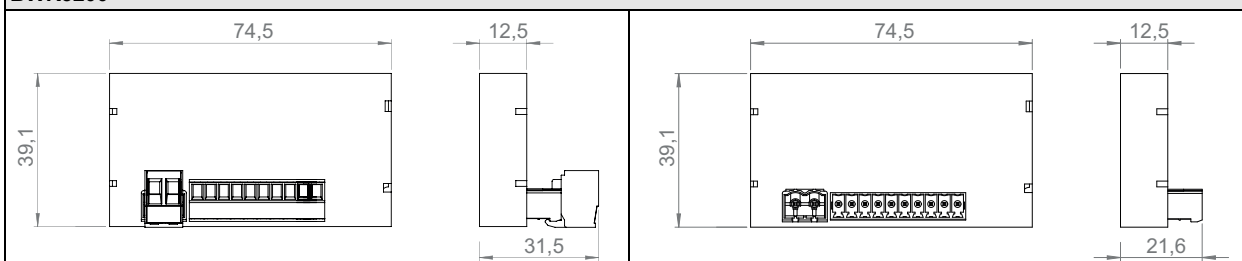
⁽¹⁾ loop resistance: ≤150 Ω

(2)



Dimensional drawing

BWR3200

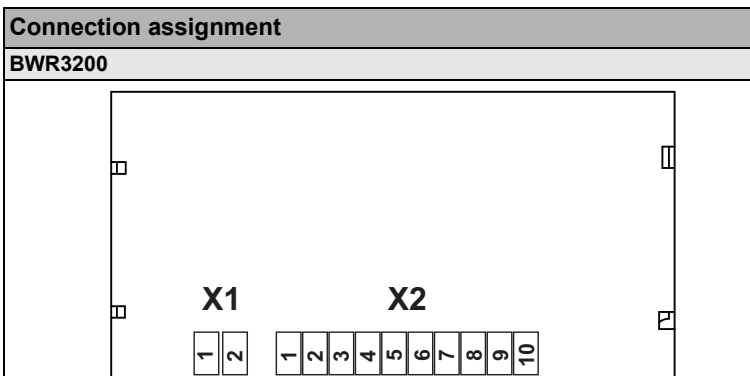
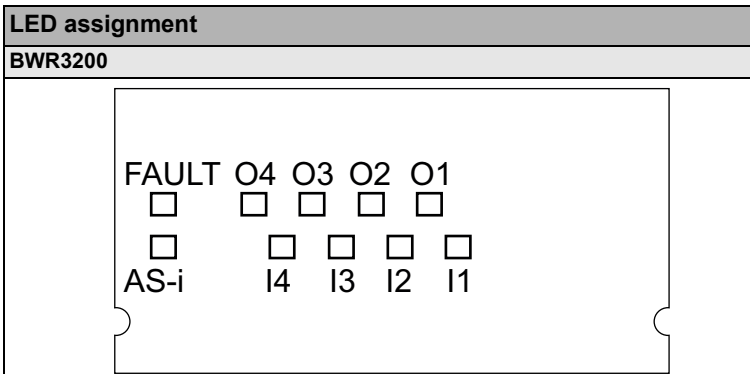


Programming	Bit Setting Digital IO			
	D3	D2	D1	D0
	input			
BWR3200	I4	I3	I2	I1
	output			
BWR3200	O4	O3	O2	O1

Programming	Parameter bit			
	P3	P2	P1	P0
BWR3200	not used	0=on / 1=off (synchronous I/O mode)	0=on / 1=off (data input filter)	0=off / 1=on (Watchdog)

Programming	
BWR3200	Address preset 0 changeable via bus master or programming devices

Connections:	
ASi +, ASi -	Connection to the ASi bus
Ix	Input x
Ox	Output x
0 V	Reference potential for outputs
+24V	Output for 24 V power supply for the inputs
n.c.	not connected



Pin assignment										
Connector	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9	Pin 10
X1	ASi-	ASi+	–	–	–	–	–	–	–	–
X2	+24V out of asi	0V out of asi	O4	I4	O3	I3	O2	I2	O1	I1



Notice

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