

AS-i Repeater IP20

Circuit extension up to 200 m

On-Board diagnostics AS-i Fault and AS-i Power

Passive bus termination connectable for segment A

AS-i voltage metering segment A

Galvanic isolation

Requires no programming

Passive on the AS-i network
(no slave address required)



Article no. BWU2192 Advanced Repeater with bus termination in IP20

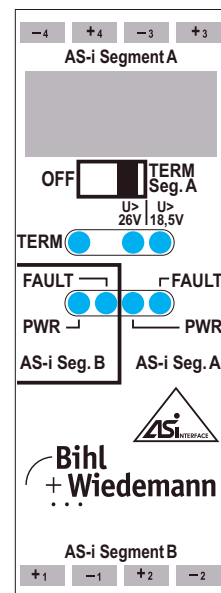
Beside the power supply, the AS-i Repeater with On-Board-Diagnostics displays separately AS-i communication errors. The red AS-i Fault LED flashes as long as there is no AS-i communication. The communication error LED will help the customer to find basic installation problems really fast. The new

AS-i Repeaters in IP 20 are compatible with all existing AS-i Repeaters and can easily be mounted into the switchboard in combination with an AS-i power supply. The passive bus termination allows a circuit extension up to 200 m.

Article no.	BWU2192
Connections	COMBICON clamps
AS-i voltage	26,5 ... 31,6 V via AS-i
Max. AS-i current consumption	60 mA (network segment), 120 mA (total)
Quantity of required AS-i power supplies	1 additionally (as any AS-i-Repeater)
Voltage of insulation	≥ 500 V
Display	
PWR AS-i Seg.B (green)	AS-i power network B
FAULT AS-i Seg.B (red)	AS-i communication error network B
PWR AS-i Seg.A (green)	AS-i power network A
FAULT AS-i Seg.A (red)	AS-i communication error network A
TERM (yellow)	Bus termination network A enabled
U > 26 V (green)	U AS-i segment A > 26 V
U > 18,5 V (yellow)	U AS-i segment A > 18,5 V
Applied standards	EN 61 000-6-2, EN 61 000-6-3
Operating temperature	0 ... +55 °C
Storage temperature	-25 ... +75 °C
Pollution Degree	2
Protection category EN 60529	IP20
Zulässige Feuchtigkeitsbeanspruchung	gemäß EN61131-2
Electromagnetic sustainability	according to slave specification
Dimensions (L / W / H in mm)	114 / 22,5 / 99

Connections:

1	AS-i A-
2	AS-i A+
3	AS-i A-
4	AS-i A+
5	n.c.
...	...
12	n.c.
13	AS-i B+
14	AS-i B-
15	AS-i B+
16	AS-i B-



Wiring rules

Push-in terminals	
General	
Nominal cross section	2,5 mm ²
Conductor cross section	
Conductor cross section solid	0,2 ... 2,5 mm ²
Conductor cross section flexible	0,2 ... 2,5 mm ²
Conductor cross section flexible, with ferrule	without plastic sleeve: 0,2 ... 2,5 mm ²
	with plastic sleeve: 0,25 ... 2,5 mm ²
2 conductors with same cross section, stranded, with TWIN ferrules	without plastic sleeve: 0,5 ... 1,5 mm ²
AWG	24 ... 14
Stripped insulation length	10 mm

Note:

- The AS-i Repeater does not occupy any slave address. The total amount of the slaves (31 resp. 62) per AS-i network remains constant.
- No programming required.

Accessories:

- AS-i Power Supply (art. no. BW1649)
- AS-i Bus Termination (art. no. BW1644)
- AS-i Tuner (art. no. BW1648)
- AS-i Repeater in IP65 (art. no. BW1273)
- AS-i Analyser (art. no. BW1415)