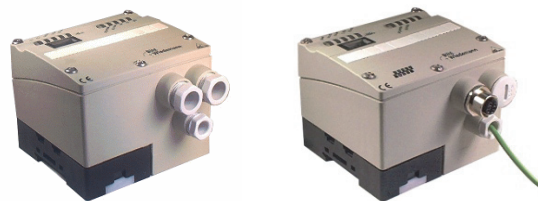


AS-i/PROFIBUS DP Gateway/Link in Protection Class IP65

AS-i Specification 2.1

Entirely powered by AS-i

AS-i Scope function



Article no.	BW1253	BW1371
Connections	AS-i: electromechanical interface (penetration technique) PROFIBUS DP: heavy gauge terminals and cage clamp terminal blocks	AS-i: electromechanical interface (penetration technique) PROFIBUS DP: via M12 connector
Operating current	Master power supply A, approx. 200 mA out of AS-i circuit	
Operating voltage	AS-i voltage 30 V DC	
PROFIBUS Interface	according to IEC 61158	
Baud rates	9,6 Kbaud up to 12 000 Kbaud, automatic recognition	
PROFIBUS DP Functions	imaging of the AS-i slaves as I/O data of the PROFIBUS. complete diagnosis and configuration via PROFIBUS	
AS-i cycle time	150 µs * (Number of slaves + 1)	
Display		
LED display	AS-i slave addresses and error messages	
LED green (power)	Power on	
LED green (Bus active)	PROFIBUS Master recognized	
LED red (config error)	Configuration error	
LED green (U AS-i)	AS-i voltage OK	
LED green (AS-i active)	AS-i normal operation active	
LED green (prg enable)	automatic address programming enabled	
LED yellow (prj mode)	the Master is in configuration mode	
Push-buttons	2 (mode/set)	
Voltage of insulation	≥ 500 V	
Standards	EN 50082, EN 50081	
Ambient temperature	0 °C ... +55 °C	
Storage temperature	-25 °C ... +85 °C	
Housing		
Dimensions (L, W, H)	90 mm, 80 mm, 70 mm	
Protection category (DIN 40050)	housing IP65	
Weight	355 g	

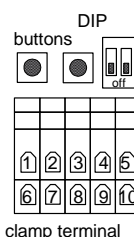
M12 Connector:



Bus Out (female)

Pin	Function
1	+5 V (only for termination resistor)
2	RXD/TXD-N (A)
3	DGND (only for termination resistor)
4	RXD/TXD-P (B)
5	Shield

Connection of PROFIBUS interface on cage clamp terminal block (IP65):



Pin	Function
1	RxD/TxD-N
2	RxD/TxD-P
3	RxD/TxD-N
4	RxD/TxD-P
5	0 V
6	Shield
7	FG function ground
8	FG function ground
9	Shield
10	+5 V

Accessories:

- Software for diagnostics, service approval and measurements (art. no. BW2902)
- Serial PROFIBUS Master (art. no. BW1258)
- PROFIBUS DP Master Simulator DP V0 and DP V1 (art. no. BW1257)
- Transmission cords (art. no. BW1097)