AS-i 3.0 PROFIBUS Gateway with integrated Safety Monitor



2 ASi 3.0 Master, PROFIBUS-Device

- Redundant power supply out of AS-i: all fundamental functions of the device remain available even in case of power failure in one of the two AS-i networks
- Full functional range of Bihl+Wiedemann PROFIBUS Gateway BWU1568!
- Enhanced functional range of Bihl+Wiedemann Safety Monitor BWU2000!
- Compatible with the wide range of Bihl+Wiedemann power supplies

1 ASi Safety Monitor in Stainless Steel for 2 ASi networks

 Operation using a single Monitor configuration Monitor processes safety slaves on two ASi networks Coupling between the two networks superfluous

16 release circuits

 4 CAT4, SIL 3 safe output circuits on the Monitor two sets of safe relays two sets of fast electronic safe outputs

Safe AS-i outputs are supported on both AS-i networks

16 independent AS-i outputs
Multiple safe AS-i outputs possible via a single AS-i address

Monitor configuration can be "arbitrarily" large

256 configuration blocks (previously 48)
Identical reaction time due to artificial limitation to 256 configuration blocks

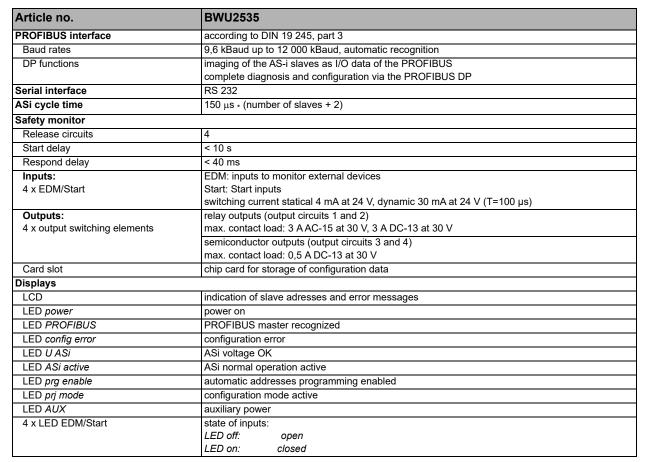
Chip card for storage of configuration data











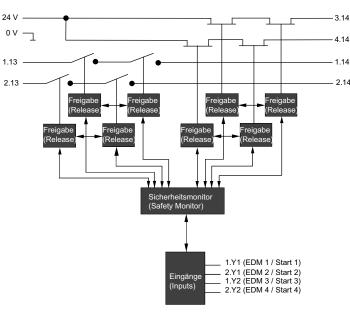


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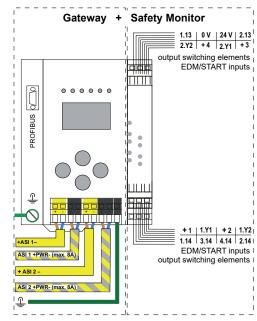


Article no.	BWU2535
4 x LED output circuit	state of output circuits:
	LED off: open
	LED on: closed
Electrical data	
Operating current	master power supply,
	max. 300 mA out of AS-i circuit 1 (approx. 70 mA 300 mA),
	max. 300 mA out of AS-i circuit 2 (approx. 70 mA 300 mA); in sum max. 370 mA
0	
Operating voltage	30 V, 9 W
Voltage of insulation	≥ 500 V
UL-specifications (UL508)	
External Protection	An isolated source with a secondary open circuit voltage of \leq 30 V_{DC}
	with a 3 A maximum over current protection.
	Over current protection is not required when a Class 2 source is employed.
in general	UL mark does not provide UL certification for any functional safety rating
	or aspects of the above devices.
c TÜV us	The devices BWU2535 from Bihl + Wiedemann GmbH were safety certified
	by TÜV Rheinland of North America, Inc. according to UL-standards
	and meet the safety requierements for the North American market.
Standards	EN 61 000-6-2
	EN 61 000-6-4
	EN 62 061:2005, SILCL 3
	EN 61 508:2001, SIL 3
	EN ISO 13 849-1:2008, PL e
Housing	AS-i master housing in stainless steel
Ambient operating temperature	0°C +55°C
Storage temperature	-25°C +85°C
Dimensions (L / W / H in mm)	120 / 100 / 96
Protection category IEC 60 529	IP20
Tolerable loading referring to impacts	according to EN 61 131-2
and vibrations	
Weight	800 g

Safety Monitor block diagram:



Connections:



Accessories:

- Serial cable (art. no. BW1575)
- ASIMON and ASi Control-Tools for ASi Master/Monitors in Stainless Steel (art. no. 2501)
- Serial PROFIBUS-Master (art. no. BW1258)
- PROFIBUS-DP-Master simulator (art. no. BW1257)