AS-i 3.0 EtherCAT Gateways in Stainless Steel

EtherCAT to AS-i

1 / 2 AS-i 3.0 Master

Recognition of Duplicate AS-i addresses

AS-i Earth Fault Detector integrated

AS-i Noise Detector integrated

figure similar

EtherCAT AS-i					
Figure	**Fieldbus interface**	**Number of AS-i networks, number of AS-i Master**	**1 power supply, 1 gateway for 2 AS-i networks, inexpensive power supplies**	**Diagnostic and configuration interface**	**Article no.**
	EtherCAT	2 AS-i networks, 2 AS-i Masters	yes, max. 4A/AS-i network	Ethernet	**BWU2720**
	EtherCAT	2 AS-i networks, 2 AS-i Masters	yes, max. 4A/AS-i network	RS 232	**BWU2164**
	EtherCAT	2 AS-i networks, 2 AS-i Masters	no, max. 8A/AS-i network, redundant supply	RS 232	**BWU2163**
	EtherCAT	1 AS-i network, 1 AS-i Master	no, max. 8A/AS-i network	RS 232	**BWU2162**

Article no.	**BWU2162 / BWU2163 / BWU2164 / BW2720**
Interface	
EtherCAT interface	according to IEEE 802.3 (RJ-45 connector)
Baud rates	10/100 MBaud
AS-i	
AS-i cycle time	150µs*(number of slaves + 2)
Operating voltage	AS-i voltage 30V DC
Display	
LCD	displaying slave addresses and error messages
LED power (green)	power on
LED ser active (green)	EtherCAT-Network active
LED config error (red)	configuration error
LED U AS-i (green)	AS-i voltage OK
LED AS-i active (green)	AS-i normal operation active
LED prg enable (green)	automatic address programming enabled
LED prj mode (gelb)	Projektierungsmodus aktiv
Environment	
Applied standards	EN 61 000-6-2 EN 61 000-6-4
Housing	the master is in configuration mode
Operating temperature	0°C … +55°C
Storage temperature	-25°C … +85°C
Protection class IEC 60 529	IP20
Maximum tolerable shock and vibration stress	EN 61 131-2
Voltage of insulation	≥ 500V
Dimensions (W / H / D) in mm	85 / 120 / 83
Weight	500g

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Art. no.	Operating current		
	Master power supply approx. 200mA out of AS-i circuit	Master power supply, max. 200mA out of AS-i circuit 1 (approx. 70mA ... 200mA) max. 200mA out of AS-i circuit 2 (approx. 70mA ... 200mA)	Version "1 gateway, 1 power supply for 2 AS-i circuits", approx. 250mA (PELV supply)
BWU2162	●	–	–
BWU2163	–	●	–
BWU2164	–	–	●
BWU2720	–	–	●

BW2163: 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
BW2164 and BW2720 in version "1 gateway, 1 power supply for 2 AS-i circuits":
only 1 gateway + 1 AS-i power supply for 2 AS-i networks

Accessories:

- Software "AS-i Control Tools" with serial cable for AS-i master in stainlees steel (art. no. BW1602)
- Cross-Link cable (art. no. BW1304)