

Active Distributor ASi, IP67

2 x connectors for profile cable

Periphery connection via
1 x M12 cable socket, straight, 5 poles



(Figure similar)

Figure	Inputs digital	Outputs digital	Input voltage (sensor supply) ⁽¹⁾	Output voltage (actuator supply) ⁽²⁾	Connection ⁽³⁾	ASi address ⁽⁴⁾	Special function	Art. no.
	-	4 x electronic	-	out of AUX	1 x round cable M12 cable socket, straight, 5-pole	1 AB address	-	BWU4763

- (1) **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.
- (2) **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
- (3) **Connection:** further connection options are available on request.

M12 cable socket, angled	M12 cable socket, straight	M8 cable socket, straight	round cable / connecting wires	Push in terminals
PUR line: oil and abrasion resistant, appropriate for conveyor chains				

- (4) **ASi address:** 1 AB address (max. 62 AB addresses/ASi network), 2 AB addresses (max. 31 modules with 2 AB addresses), Single addresses (max. 31 Single addresses/ASi network), mixed use allowed.
For modules with two ASi nodes the second ASi node is turned off as long as the first ASi node is addressed to address "0".
Upon request, ASi nodes are available with specific ASi address profiles.

Article No.		BWU4763
General data		
Device type		output
Connection		
ASi /AUX connection		profile cable and piercing
Periphery connection		1 x round cable/ M12 cable socket, straight
Round cable		10 m allowed tensile strain 10 N
ASi		
Profile		S-7.A.7 (ID1=7 fixed)
Address		1 AB address
Required Master profile		≥M4
As of ASi specification		3
Operating voltage		30 V (18 ... 31.6 V)
Max. current consumption		35 mA
Max. current consumption without sensor/ actuator supply		35 mA
AUX		
Operating voltage		24 V (18 ... 30 V _{DC})
Max. current consumption		1 A
Output		
Number		4
Power supply		out of AUX
Max. output current	up to +50 °C	250 mA per output,
	at +60 °C	Σ (Out) 1 A
	at +70 °C	
Display		
LED ASi/FLT (red/green)		green: ASi voltage OK, ASi node online green/red: ASi voltage on, but ASi node offline green flashing/red: address 0 alternating green flashing/red flashing: peripheral fault ⁽¹⁾ off: no ASi voltage
LED AUX (green)		on: 24 V _{DC} AUX off: no 24 V _{DC} AUX
LED O1 ...On (yellow)		state of outputs O1 ... O4
Environment		
Applied standards		EN 61000-6-2 EN 61000-6-3 EN 61131-2 EN 60529
It can be used with a switched AUX cable, which is passively safe up to SIL3/PLe		yes ⁽²⁾
Operating altitude		max. 2000 m
Ambient temperature		-30 °C ... +70 °C
Storage temperature		-25 °C ... +85 °C
Housing		plastic, for screw mounting, suitable for cable ducts (≥19 mm installation depth)
Pollution degree		2
Protection category		IP67 ⁽³⁾
Tolerable loading referring to humidity		according to EN 61131-2
Maximum tolerable shock and vibration stress		≤15g, T≤11 ms 10 ... 55 Hz, 0,5 mm amplitude
Insulation voltage		≥ 500 V
Weight		370 g
Dimensions (W / H / D) in mm		60 / 45 / 19

- (1) see table "Peripheral fault indication"
- (2) BWU4763 from Ident. No. ≥ 19071 ; The module is suitable for use in paths with a passively safe-switched AUX cable, since an exclusion of errors can be assumed for the connection of the two ASi and AUX potentials.
- (3) Protection category IP67 can only be achieved, if also the cable connector fulfills IP67

Article no.	Peripheral fault indication		
	Overload sensor supply	Output short circuited	AUX voltage missing
BWU4763	-	•	•

Programming	ASi bit assignment			
	parameter bit			
	P3	P2	P1	P0
BWU4763	not used	0= on / 1= off (synchronous I/O mode)	not used	0= off / 1= on (Watchdog)

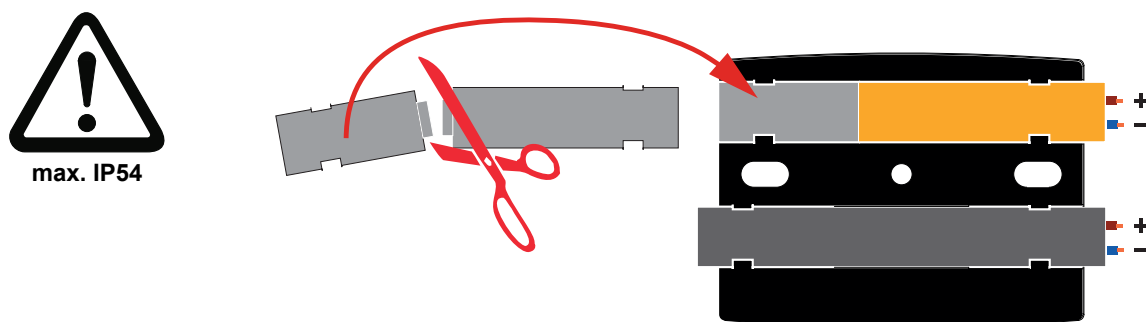
Pin assignment

Signal name	Explanation
Ox	digital output x
0V _{ext out}	power supply, out of external voltage, negative pole (AUX, actuator supply)
ASi +, ASi -	connection to ASi bus
n.c. (not connected)	not connected

Connections: M12 cable socket, straight, 5 poles						
Artikel Nr.	M12 connection	Pin1	Pin2	Pin3	Pin4	Pin5
BWU4763	X1	O1	O2	O3	O4	0 V ext out
		The reference potential of sensors/actors has to be connected with the reference potential of the active distributor (AUX).				



Line termination with sealing profile



Accessories:

- ASi-5/ASi-3 Address Programming Device (art. no. BW4925)