

## 2 x connectors for profile cable

### Periphery connection

- via connecting wires
- M8 cable sockets
- M12 cable sockets
- 8 x push in terminals



(Figure similar)







Figure	Type	Inputs digital	Outputs digital	Input voltage (sensor supply) <sup>(1)</sup>	Output voltage (actuator supply) <sup>(2)</sup>	ASi connection <sup>(3)</sup>	Connection <sup>(4)</sup>	ASi address <sup>(5)</sup>	Special function	Art. no.
	IP67, depth 35 mm	4	2 x electronic	out of ASi	out of ASi	ASi profile cable	6 x M8 cable sockets, straight, 4 poles	1 AB slave	to control valves Festo CPE14 / VUVG-L14 via ASi	<b>BWU3577</b>
	IP67, depth 35 mm	4	4 x electronic	out of ASi	out of AUX	ASi profile cable	4 x M8 cable sockets, straight, 4 poles	1 AB slave	–	<b>BWU3555</b>
	IP67, depth 35 mm	2	2 x electronic	out of ASi	out of ASi	ASi profile cable	2 x M12 cable sockets, straight, 5 poles + 2 x M8 cable sockets, straight, 3 poles	1 AB slave	–	<b>BWU3695</b>
	IP67, depth 35 mm	4	–	out of ASi	–	ASi profile cable	4 x M12 cable sockets, straight, 5 poles	1 AB slave	–	<b>BWU3632</b>
	IP67, depth 35 mm	4	–	out of ASi	–	ASi profile cable	4 x M12 cable sockets, straight, 5 poles	1 AB slave	–	<b>BWU3633</b>
	IP67, depth 35 mm	4	–	out of AUX	–	ASi profile cable	3 x round cable/ connecting wires + 1 x M8 cable socket, straight, 4 poles	1 AB slave	–	<b>BWU3608</b>
	IP67, depth 35 mm	4	4 x electronic	out of ASi	out of AUX	ASi profile cable	2 x round cable/ connecting wires	1 AB slave	–	<b>BWU3317</b>
	IP67, depth 35 mm	4	4 x electronic	out of ASi	out of AUX	ASi profile cable	2 x M12 cable sockets, straight, 5 poles	1 AB slave	–	<b>BW3507</b>
	IP67, depth 35 mm	4	4 x electronic	out of ASi	out of ASi	ASi profile cable	2 x round cable/ connecting wires	1 AB slave	–	<b>BWU3326</b>
	IP67, depth 35 mm	3	4 x electronic	out of AUX	out of AUX	ASi profile cable	2 x M12 cable sockets, straight, 5 poles	1 AB slave	to connect K50Pro Banner Stacklight to ASi	<b>BWU3785</b>
	IP67, depth 35 mm	4	–	out of ASi	–	ASi profile cable	2 x round cable/ connecting wires	1 AB slave	–	<b>BWU3374</b>
	IP67, depth 35 mm	1	4 x electronic	out of ASi	out of ASi	ASi profile cable	1 x M12 cable sockets, straight, 5 poles + 1 x M12 cable sockets, angled, 5 poles	1 AB slave	to connect Banner K50 Series EZ-Light, Type K50L...PQ + Wenglor Light Curtains Pick-to-Light	<b>BWU3534</b>
	IP67, depth 35 mm	4	4 x electronic	out of ASi	out of ASi	ASi profile cable	1 x round cable/ connecting wires	1 AB slave	–	<b>BW3500</b>
	IP67, depth 35 mm	4	4 x electronic	out of ASi	out of ASi	ASi profile cable	1 x round cable/ connecting wires	1 AB slave	to connect Stack-Light Banner TL50GYRAQ + audible alarm (180 mA) to ASi	<b>BWU3606</b>
	IP67, depth 35 mm	4	4 x electronic	out of AUX	out of AUX	ASi profile cable	1 x M12 cable socket, straight, 8 poles	1 AB slave	to connect Euchner MGB to ASi	<b>BW3377</b>
	IP67, depth 35 mm	2	2 x electronic	out of AUX	out of AUX	ASi profile cable	1 x round cable/ connecting wires	1 AB slave	to control Linak LA12 drives	<b>BWU3607</b>

Figure	Type	Inputs digital	Outputs digital	Input voltage (sensor supply) (1)	Output voltage (actuator supply) (2)	ASi connection (3)	Connection (4)	ASi address (5)	Special function	Art. no.
	IP67, depth 35 mm	1	3 x electronic	out of ASi	out of ASi	ASi profile cable	1 x M12 cable socket, angled, 8 poles	1 AB slave	to connect Banner K50 Series EZ-LIGHT, Typ K50AP***F2Q to ASi	<b>BWU3639</b>
	IP67, depth 19 mm	4	–	out of AUX	–	ASi profile cable	2 x M12-cable sockets, straight, 5 poles	1 AB slave	–	<b>BWU3498</b>
	IP67, depth 19 mm	2	2 x electronic	out of AUX	out of AUX	ASi profile cable	1 x M12 cable sockets, straight, 5 poles + 1 x round cable/ connecting wires	1 AB slave	–	<b>BWU3628</b>
	IP67, depth 19 mm	2	2 x electronic	out of AUX	out of AUX	ASi profile cable	2 x M12 cable sockets, straight, 5 poles	1 AB slave	–	<b>BWU3497</b>
	IP67, depth 19 mm	2	2 x electronic	out of AUX	out of AUX	ASi profile cable	2 x round cables/ connecting wires	1 AB slave	–	<b>BWU3602</b>
	IP67, depth 19 mm	2	1 x electronic	out of AUX	out of AUX	ASi profile cable	2 x M12 cable sockets, angled, 5 poles	1 AB slave	–	<b>BW3250</b>
	IP67, depth 19 mm	2	2 x electronic	out of ASi	out of ASi	ASi profile cable	1 x M12 cable socket, straight, 8 poles	1 AB slave	–	<b>BWU3400</b>
	IP67, depth 19 mm	2	–	out of ASi	–	ASi profile cable	1 x M12 cable socket, angled, 5 poles	1 AB slave	–	<b>BWU3642</b>
	IP67, depth 19 mm	2	–	out of AUX	–	ASi profile cable	1 x M12 cable socket, angled, 5 poles	1 AB slave	–	<b>BWU3564</b>
	IP67, depth 19 mm	–	4 x electronic	–	out of AUX	ASi profile cable	1 x round cable/ connecting wires	1 AB slave	–	<b>BW3300</b>
	IP67, depth 19 mm	–	4 x electronic	–	out of AUX	ASi profile cable	1 x round cable/ connecting wires	1 AB slave	–	<b>BWU3487</b>
	IP67, depth 19 mm	–	4 x electronic	–	out of AUX	ASi profile cable	1 x M12 cable socket, straight, 5-poles	1 AB slave	to connect general-purpose display Banner K50 Pro to ASi	<b>BWU4087</b>
	IP67, depth 19 mm	4	–	out of AUX	–	ASi profile cable	8 x push in terminals	1 AB slave	–	<b>BWU3349</b>
	IP67, depth 19 mm	3	1 x electronic	out of AUX	out of AUX	ASi profile cable	8 x push in terminals	1 AB slave	–	<b>BWU3414</b>
	IP67, depth 19 mm	–	4 x electronic	–	out of AUX	ASi profile cable	8 x push in terminals	1 AB slave	–	<b>BWU3342</b>

- (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) **ASi connection:** the connection to ASi as well to AUX (auxiliary 24 V power) is made via yellow resp. black ASi profile cable with piercing technology or via M12 socket (in IP20 via clamps).
- (4) **Connection:** further connection options are available on request.

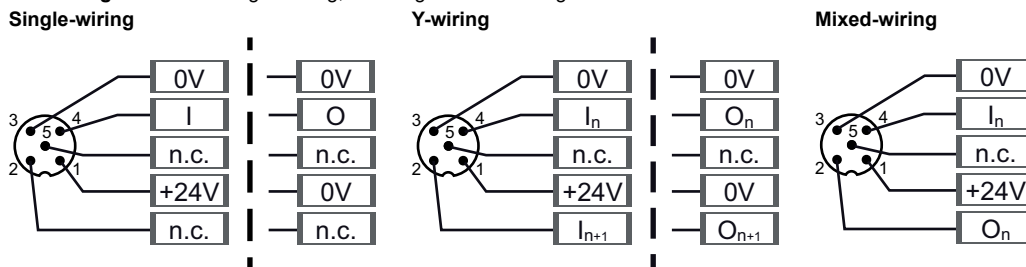
M12 cable socket, angled	M12 cable socket, straight	M8 cable socket, straight	round cable / connecting wires	Push in terminals
PUR line: oil resistant				

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

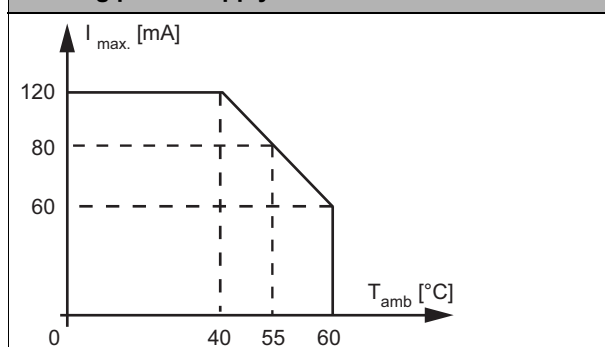
Article No.	BWU3374	BWU3632	BWU3633	BWU3608	BWU3349
<b>General data</b>					
Device type	input				
<b>Connection</b>					
ASi/AUX connection	profile cable and piercing				
Periphery connection	2 x round cable/connecting wires	4 x M12 cable sockets, straight, 5 poles		3 x round cable/connecting wires + 1 x M8 cable socket, straight, 4 poles	8 x push in terminals; wire section flexible (wire end ferrule without plastic sleeve): min. 0,2 mm <sup>2</sup> ; max. 0,5 mm <sup>2</sup> /AWG20
M12 wiring <sup>(1)</sup>	–	single wiring		–	
Round cable	0,5 m	0,3 m	2 m	1 m	–
max. allowed tensile strain 10 N					
<b>ASi</b>					
Profile	S-0.A.E (ID1=7 fixed)		S-0.A.E (ID1=7 default)	S-7.A.7 (ID1=7 fixed)	S-0.A.E (ID1=7 default)
Address	1 AB slave				
Required Master profile	≥M3		≥M4		≥M3
As of ASi specification	2.1		3.0		2.1
Operating voltage	30 V (18 ... 31.6 V)				
Max. current consumption	165 mA			45 mA	35 mA
Max. current consumption without sensor/ actuator supply	45 mA			45 mA	35 mA
<b>AUX</b>					
Operating voltage	–			24 V (18 ... 30 V <sub>DC</sub> )	
Max. current consumption	–			1 A	
<b>Input</b>					
Number	4				
Power supply	out of ASi			out of AUX	
Power supply of attached sensors	up to +40 °C	120 mA <sup>(2)</sup>			1 A
	at +55 °C	80 mA <sup>(2)</sup>			
	at +60 °C	60 mA <sup>(2)</sup>			
Switching threshold	U<5 V (low) U>15 V (high)				
<b>Display</b>					
LED ASi/FLT (red/green)	green: ASi voltage on, slave online green/red: ASi voltage on, but slave offline green flashing/red: address 0 alternating green flashing/red flashing: peripheral fault <sup>(3)</sup> off: no ASi voltage				
LED AUX (green)	–			on: 24 V <sub>DC</sub> AUX off: no 24 V <sub>DC</sub> AUX	
LEDs I1 ... I4 (yellow)	state of inputs I1 ... I4				

Article No.	BWU3374	BWU3632	BWU3633	BWU3608	BWU3349
<b>Environment</b>					
Applied standards	EN 61000-6-2 EN 61000-6-3 EN 61131-2 EN 60529				
Passive safety (up to PLe/SIL 3)	yes <sup>(4)</sup>				no <sup>(7)</sup>
Operating altitude	max. 2000 m				
Ambient temperature	-30 °C ... +60 °C <sup>(2) (5)</sup>			-30 °C ... +60 °C (no condensation permitted)	
Storage temperature	-25 °C ... +85 °C				
Housing	plastic, for screw mounting, suitable for cable ducts (≥35 mm installation depth)				plastic, for screw mounting, suitable for cable ducts (≥19 mm installation depth)
Pollution degree	2				
Protection category	IP67 <sup>(6)</sup>				IP20
Maximum tolerable shock and vibration stress	≤15g, T≤11 ms 10 ... 55 Hz, 0,5 mm amplitude				
Insulation voltage	≥500 V				
Weight	100 g				50 g
Dimensions (W / H / D) in mm	60 / 45 / 35				60 / 45 / 19

(1) **M12 wiring:** either as a single-wiring, Y-wiring or mixed-wiring.



(2) **BWU3374, BWU3632, BWU3633**  
Derating power supply of attached sensors



(3) see table "Peripheral fault indication"

(4) Exclusion of errors for the connection of the two ASI and AUX potentials can be assumed in the module. Passive safety for the application can only be achieved if this is ensured for all components used.

(5) Down to -25 °C with flexibly mounted cable, -30 °C only with fixed mounted cable.

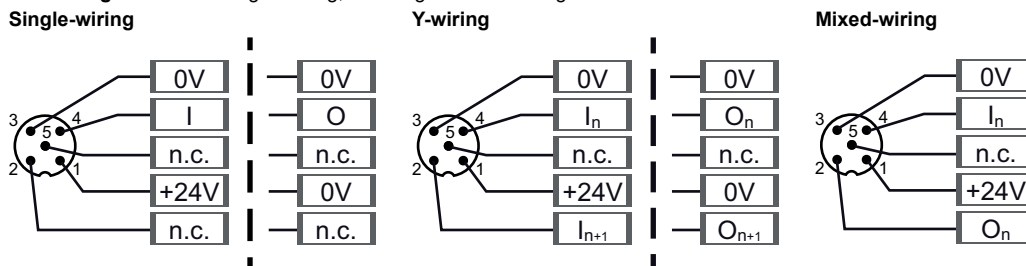
(6) Protection category IP67 can only be achieved, if also the cable connector fulfills IP67

(7) Exclusion of errors for the connection of the two ASI and AUX potentials cannot be assumed in the module. It is not possible to achieve passive safety for the application with this module.

Article No.	BWU3642	BWU3564	BWU3498
<b>General data</b>			
Device type	input		
<b>Connection</b>			
ASi/AUX connection	profile cable and piercing		
Periphery connection	1 x M12 cable socket, angled, 5 poles	2 x M12 cable sockets, straight, 5 poles	
M12 wiring <sup>(1)</sup>	Y wiring		
Round cable	1 m	0,4 m	
	max. allowed tensile strain 10 N		
<b>ASi</b>			
Profile	S-7.A.E (ID1=7 default)		
Address	1 AB slave		
Required Master profile	≥M3		
As of ASi specification	2.1		
Operating voltage	30 V (18 ... 31.6 V)		
Max. current consumption	90 mA	35 mA	
Max. current consumption without sensor/ actuator supply	40 mA	35 mA	
<b>AUX</b>			
Operating voltage	–	24 V (18 ... 30 V <sub>DC</sub> )	
Max. current consumption	–	1 A	
<b>Input</b>			
Number	2		4
Power supply	out of ASi		out of AUX
Power supply of attached sensors	up to +50 °C	50 mA (up to +55 °C)	1 A <sup>(5)</sup>
	at +60 °C	–	1 A
	at +70 °C	–	
Switching threshold	U < 5 V (low) U > 15 V (high)		
<b>Display</b>			
LED ASi/FLT (red/green)	green: ASi voltage on, slave online green/red: ASi voltage on, but slave offline green flashing/red: address 0 alternating green flashing/red flashing: peripheral fault <sup>(2)</sup> off: no ASi voltage		
LED AUX (green)	–	on: 24 V <sub>DC</sub> AUX off: no 24 V <sub>DC</sub> AUX	
LEDs I1 ... In (yellow)	state of inputs I1, I2		state of inputs I1 ... I4

Article No.	BWU3642	BWU3564	BWU3498
<b>Environment</b>			
Applied standards	EN 61000-6-2 EN 61000-6-3 EN 61131-2 EN 60529		
Passive safety (up to PLe/SIL 3)	yes <sup>(3)</sup>	no <sup>(6)</sup>	
Operating altitude	max. 2000 m		
Ambient temperature	-30 °C ... +55 °C <sup>(4)</sup> (no condensation permitted)	-30 °C ... +70 °C <sup>(4) (5)</sup> (no condensation permitted)	-30 °C ... +70 °C <sup>(4)</sup>
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		
Maximum tolerable shock and vibration stress	≤15g, T≤11 ms 10 ... 55 Hz, 0,5 mm amplitude		
Insulation voltage	≥ 500 V		
Weight	100 g		
Dimensions (W / H / D) in mm	60 / 45 / 19		

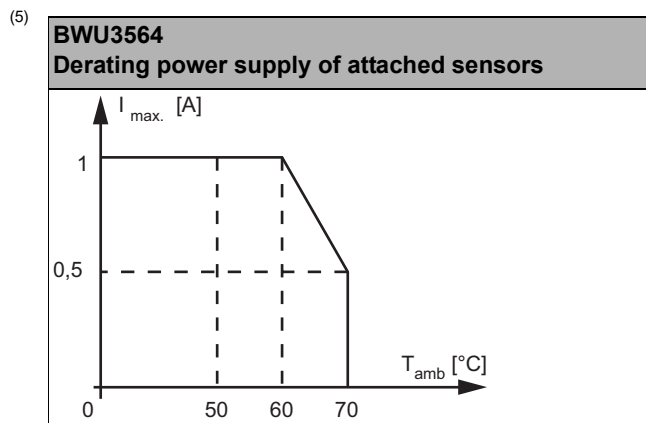
(1) **M12 wiring:** either as a single-wiring, Y-wiring or mixed-wiring.



(2) see table "Peripheral fault indication"

(3) Exclusion of errors for the connection of the two ASI and AUX potentials can be assumed in the module. Passive safety for the application can only be achieved if this is ensured for all components used.

(4) Down to -25 °C with flexibly mounted cable, -30 °C only with fixed mounted cable.



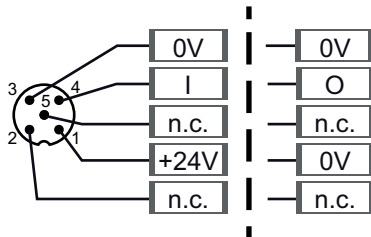
(6) Exclusion of errors for the connection of the two ASI and AUX potentials cannot be assumed in the module. It is not possible to achieve passive safety for the application with this module.

Article No.	BWU3555	BW3507	BWU3317	BWU3785	BW3377
<b>General data</b>					
Device type	Input/output				
<b>Connection</b>					
ASI/AUX connection	profile cable and piercing				
Periphery connection	4 x M8 cable sockets, straight, 4 poles	2 x M12-cable sockets, straight, 5 poles	2 x round cable/ connecting wires	2 x M12-cable sockets, straight, 5 poles	1 x M12 cable socket, straight, 8 poles
M12 wiring <sup>(1)</sup>	Y wiring	-			
Round cable	0,2 m	1 m	1 m (including 0,30 m connecting wires)	X1: 0,25 m, X2: 2 m	1 m
max. allowed tensile strain 10 N					
<b>ASI</b>					
Profile	S-7.A.7 (ID1=7 fixed)		S-7.A.7 (ID1=0 fixed)	S-7.A.7 (ID1=7 fixed)	
Address	1 AB slave				
Required Master profile	≥M4				
As of ASi specification	3				
Operating voltage	30 V (18 ... 31.6 V)				
Max. current consumption	165 mA		180 mA	165 mA	45 mA
Max. current consumption without sensor/ actuator supply	45 mA		60 mA	45 mA	
<b>AUX</b>					
Operating voltage	24 V (18 ... 30 V <sub>DC</sub> )				
Max. current consumption	3 A				
<b>Input</b>					
Number	4		3	4	
Power supply	out of ASI		out of AUX		
Power supply of attached sensors	up to +40 °C	120 mA <sup>(2)</sup>		-	
	at +55 °C	80 mA <sup>(2)</sup>			
	at +60 °C	60 mA <sup>(2)</sup>			
Switching threshold	U<5 V (low) U>15 V (high)				
<b>Output</b>					
Number	4				
Power supply	out of AUX				
Max. output current	up to +40 °C	1 A per output, $\sum$ (Out) ≤3 A <sup>(3)</sup>			
	at +55 °C	1 A per output, $\sum$ (Out) ≤2 A <sup>(3)</sup>			
	at +60 °C	1 A per output, $\sum$ (Out) ≤1,5 A <sup>(3)</sup>			
<b>Display</b>					
LED ASI/FLT (red/green)	green: ASi voltage on, slave online green/red: ASi voltage on, but slave offline green flashing/red: address 0 alternating green flashing/red flashing: peripheral fault <sup>(4)</sup> off: no ASi voltage				
LED AUX (green)	on: 24 V <sub>DC</sub> AUX off: no 24 V <sub>DC</sub> AUX				
LEDs I1 ... In (yellow)	state of inputs I1 ... I4		state of inputs I1 ... I3	state of inputs I1 ... I4	
LED O1 ... On (yellow)	state of outputs O1 ... O4				

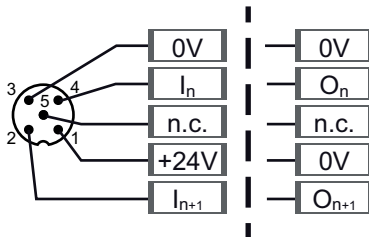
Article No.	BWU3555	BW3507	BWU3317	BWU3785	BW3377
<b>Environment</b>					
Applied standards	EN 61000-6-2 EN 61000-6-3 EN 61131-2 EN 60529				
Passive safety (up to PLe/SIL 3)	yes <sup>(5)</sup>	no <sup>(7)</sup>	yes <sup>(8)</sup>		
Operating altitude	max. 2000 m				
Ambient temperature	-30 °C ... +60 °C <sup>(2)</sup> <sup>(3)</sup> <sup>(6)</sup>	-30 °C ... +60 °C <sup>(2)</sup> <sup>(3)</sup> <sup>(6)</sup> (no condensation permitted)			
Storage temperature	-25 °C ... +85 °C				
Housing	plastic, for screw mounting, suitable for cable ducts (≥35 mm installation depth)				
Pollution degree	2				
Protection category	IP67		IP67 <sup>(9)</sup>	IP67	
Maximum tolerable shock and vibration stress	≤15g, T≤11 ms 10 ... 55 Hz, 0,5 mm amplitude				
Insulation voltage	≥500 V				
Weight	100 g				
Dimensions (W / H / D) in mm	60 / 45 / 35				

(1) **M12 wiring:** either as a single-wiring, Y-wiring or mixed-wiring.

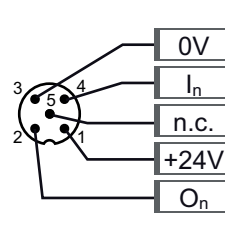
**Single-wiring**



**Y-wiring**

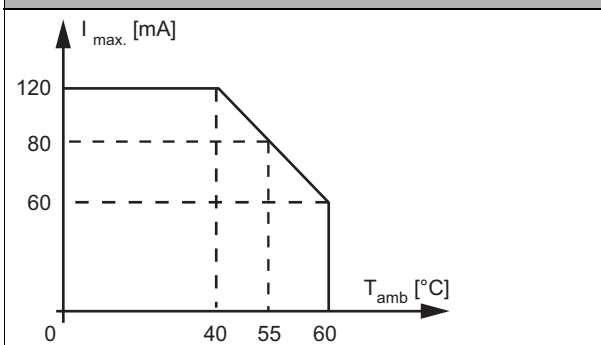


**Mixed-wiring**



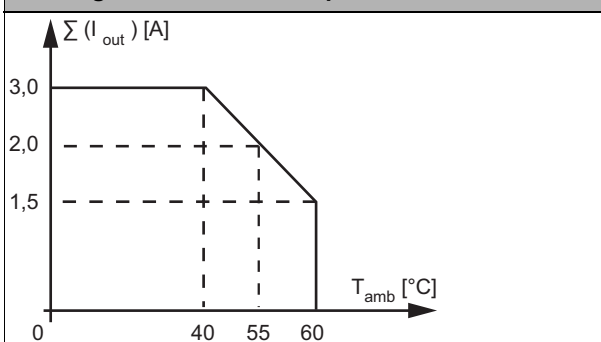
(2)

### BWU3317, BW3507, BWU3555 Derating power supply of attached sensors



(3)

### BWU3317, BW3507, BWU3555, BWU3785 Derating total current of outputs



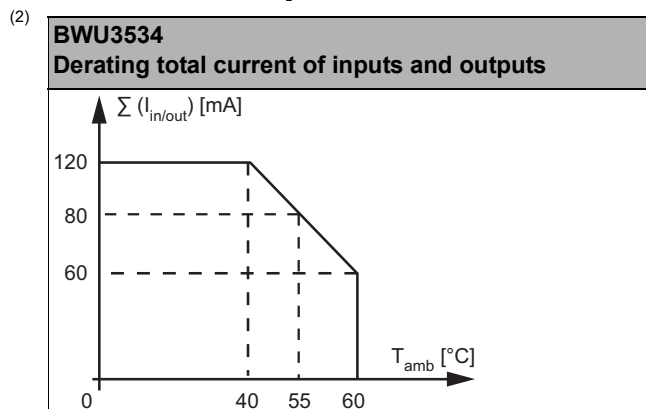
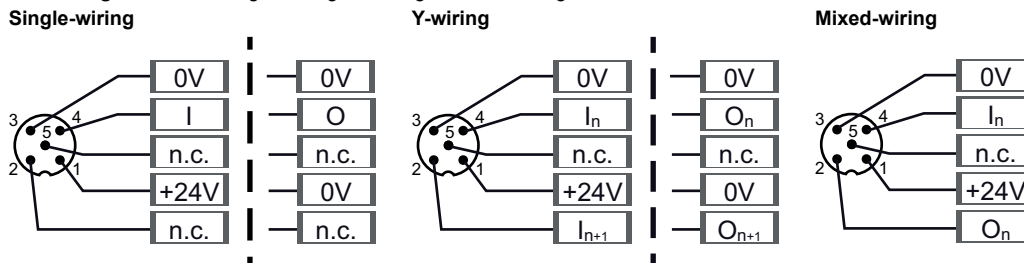


- (4) **see table "Peripheral fault indication"**
- (5) BWU3555 from Ident. No. 16991; Exclusion of errors for the connection of the two ASi and AUX potentials can be assumed in the module. Passive safety for the application can only be achieved if this is ensured for all components used.
- (6) Down to -25 °C with flexibly mounted cable, -30 °C only with fixed mounted cable.
- (7) Exclusion of errors for the connection of the two ASi and AUX potentials cannot be assumed in the module. It is not possible to achieve passive safety for the application with this module.
- (8) BWU3317 from Ident. No. 16991; BWU3377 from Ident. No. 18465; Exclusion of errors for the connection of the two ASi and AUX potentials can be assumed in the module. Passive safety for the application can only be achieved if this is ensured for all components used.
- (9) Protection category IP67 can only be achieved, if also the cable connector fulfills IP67

Article No.	BWU3534		BWU3414	
<b>General data</b>				
Device type	Input/output			
<b>Connection</b>				
ASi/AUX connection	profile cable and piercing			
Periphery connection	1 x M12 cable socket, straight, 5 poles + 1 x M12 cable socket, angled, 5 poles	8 x push in terminals; wire section flexible (wire end ferrule without plastic sleeve): min. 0,2 mm <sup>2</sup> ; max. 0,5 mm <sup>2</sup> / AWG20		
M12 wiring <sup>(1)</sup>	-			
Round cable	0,3 m	-		
	max. allowed tensile strain 10 N			
<b>ASi</b>				
Profile	S-7.A.7 (ID1=7 fixed)	S-7.A.E (ID1=7 default)		
Address	1 AB slave			
Required Master profile	≥M4	≥M3		
As of ASi specification	3	2.1		
Operating voltage	30 V (18 ... 31.6 V)			
Max. current consumption	165 mA	35 mA		
Max. current consumption without sensor/ actuator supply	45 mA	35 mA		
<b>AUX</b>				
Operating voltage	-	24 V (18 ... 30 V <sub>DC</sub> )		
Max. current consumption	-	1 A		
<b>Input</b>				
Number	1	3		
Power supply	out of ASi			
Power supply of attached sensors	up to +40 °C	120 mA, $\sum (In/Out) \leq 120 \text{ mA}^{(2)}$		$\sum (In/Out) 1 \text{ A}$
	at +55 °C	80 mA, $\sum (In/Out) \leq 80 \text{ mA}^{(2)}$		
	at +60 °C	60 mA, $\sum (In/Out) \leq 60 \text{ mA}^{(2)}$		
Switching threshold	U<5 V (low) U>15 V (high)			
<b>Output</b>				
Number	4	1		
Power supply	aus ASi			
Max. output current	up to +40 °C	120 mA, $\sum (In/Out) \leq 120 \text{ mA}^{(2)}$		250 mA per output $\sum (In/Out) 1 \text{ A}$
	at +55 °C	80 mA, $\sum (In/Out) \leq 80 \text{ mA}^{(2)}$		
	at +60 °C	60 mA, $\sum (In/Out) \leq 60 \text{ mA}^{(2)}$		

Article No.	BWU3534	BWU3414
<b>Display</b>		
LED ASI/FLT (red/green)	green: ASI voltage on, slave online green/red: ASI voltage on, but slave offline green flashing/red: address 0 alternating green flashing/red flashing: peripheral fault <sup>(3)</sup> off: no ASI voltage	
LED AUX (green)	–	on: 24 V <sub>DC</sub> AUX off: no 24 V <sub>DC</sub> AUX
LEDs I1 ... In (yellow)	state of input I1	state of inputs I1 ... I3
LED O1 ... On (yellow)	state of outputs O1 ... O4	state of output O1
<b>Environment</b>		
Applied standards	EN 61000-6-2 EN 61000-6-3 EN 61131-2 EN 60529	
Passive safety (up to PLe/SIL 3)	yes <sup>(4)</sup>	no <sup>(5)</sup>
Operating altitude	max. 2000 m	
Ambient temperature	-30 °C ... +60 °C <sup>(2) (3) (6)</sup> (no condensation permitted)	
Storage temperature	-25 °C ... +85 °C	
Housing	plastic, for screw mounting, suitable for cable ducts (≥35 mm installation depth)	
Pollution degree	2	
Protection category	IP67	IP20
Maximum tolerable shock and vibration stress	≤15g, T≤11 ms 10 ... 55 Hz, 0,5 mm amplitude	
Insulation voltage	≥500 V	
Weight	100 g	50 g
Dimensions (W / H / D) in mm	60 / 45 / 35	60 / 45 / 19

(1) **M12 wiring:** either as a single-wiring, Y-wiring or mixed-wiring.



(3) **see table "Peripheral fault indication"**

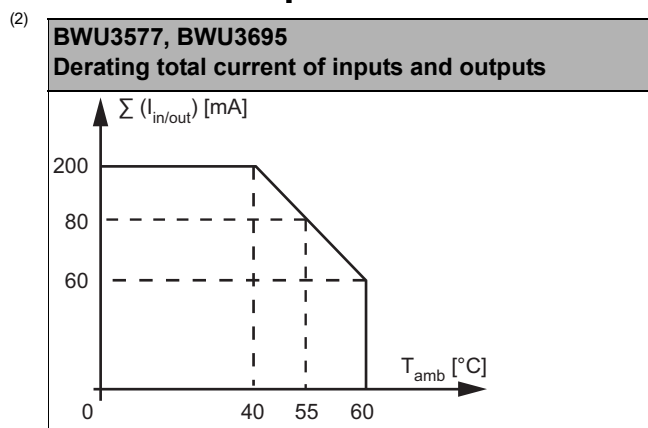
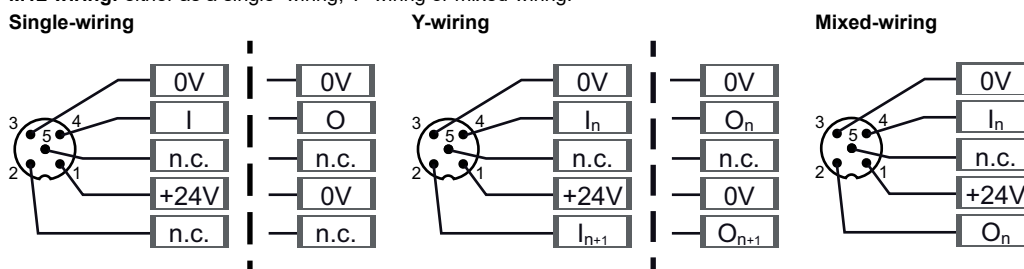
(4) Exclusion of errors for the connection of the two ASI and AUX potentials can be assumed in the module. Passive safety for the application can only be achieved if this is ensured for all components used.

(5) Exclusion of errors for the connection of the two ASI and AUX potentials cannot be assumed in the module. It is not possible to achieve passive safety for the application with this module.

Article No.	BWU3577		BWU3695	
<b>General data</b>				
Device type	input/output			
<b>Connection</b>				
ASi/AUX connection	profile cable and piercing			
Periphery connection	6 x M8 cable sockets, straight, 4 poles		2 x M12 cable sockets, straight, 5 poles (inputs) + 2 x M8 cable sockets, straight, 3 poles (outputs)	
M12 wiring <sup>(1)</sup>	-			
Round cable	I: 0,15 m, O: 0,50 m		I: 0,20 m O: 0,40 m	
	max. allowed tensile strain 10 N			
<b>ASi</b>				
Profile	S-7.A.7 (ID1=7 fixed)		S-7.A.E (ID1=7 default)	
Address	1 AB slave			
Required Master profile	≥M4		≥M3	
As of ASi specification	3		2.1	
Operating voltage	30 V (18 ... 31.6 V)			
Max. current consumption	245 mA			
Max. current consumption without sensor/ actuator supply	45 mA			
<b>Input</b>				
Number	4		2	
Power supply	out of ASi			
Power supply of attached sensors	up to +40 °C	200 mA, $\sum (In/Out) \leq 200 \text{ mA}^{(2)}$		
	at +55 °C	80 mA, $\sum (In/Out) \leq 80 \text{ mA}^{(2)}$		
	at +60 °C	60 mA, $\sum (In/Out) \leq 60 \text{ mA}^{(2)}$		
Switching threshold	U < 5 V (low) U > 15 V (high)			
<b>Output</b>				
Number	2			
Power supply	out of ASi			
Max. output current	up to +40 °C	200 mA, $\sum (In/Out) \leq 200 \text{ mA}^{(2)}$		
	at +55 °C	80 mA, $\sum (In/Out) \leq 80 \text{ mA}^{(2)}$		
	at +60 °C	60 mA, $\sum (In/Out) \leq 60 \text{ mA}^{(2)}$		
<b>Display</b>				
LED ASi/FLT (red/green)	green: ASi voltage on, slave online green/red: ASi voltage on, but slave offline green flashing/red: address 0 alternating green flashing/red flashing: peripheral fault <sup>(3)</sup> off: no ASi voltage			
LEDs I1 ... In (yellow)	state of inputs I1 ... I4		state of inputs I1 ... I2	
LED O1 ... On (yellow)	state of outputs O1, O2			

Article No.	BWU3577	BWU3695
<b>Environment</b>		
Applied standards	EN 61000-6-2 EN 61000-6-3 EN 61131-2 EN 60529	
Passive safety (up to PLe/SIL 3)	yes <sup>(4)</sup>	
Operating altitude	max. 2000 m	
Ambient temperature	-30 °C ... +60 °C <sup>(2) (5) (7)</sup> (no condensation permitted)	
Storage temperature	-25 °C ... +85 °C	
Housing	plastic, for screw mounting, suitable for cable ducts (≥35 mm installation depth)	
Pollution degree	2	
Protection category	IP67 <sup>(6)</sup>	
Maximum tolerable shock and vibration stress	≤15g, T≤11 ms 10 ... 55 Hz, 0,5 mm amplitude	
Insulation voltage	≥500 V	
Weight	100 g	
Dimensions (W / H / D) in mm	60 / 45 / 35	

(1) **M12 wiring:** either as a single-wiring, Y-wiring or mixed-wiring.



(3) **see table "Peripheral fault indication"**

(4) Exclusion of errors for the connection of the two ASI and AUX potentials can be assumed in the module. Passive safety for the application can only be achieved if this is ensured for all components used.

(5) Down to -25 °C with flexibly mounted cable, -30 °C only with fixed mounted cable.

(6) Protection category IP67 can only be achieved, if also the cable connector fulfills IP67

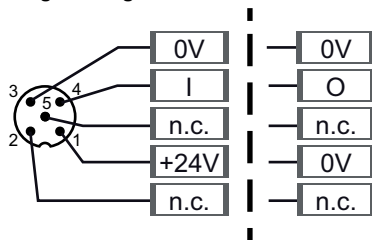
Article No.	BWU3326	BW3500	BWU3606	BWU3639	BWU3400
<b>General data</b>					
Device type	input/output				

Article No.	BWU3326	BW3500	BWU3606	BWU3639	BWU3400	
<b>Connection</b>						
ASi/AUX connection	profile cable and piercing					
Periphery connection	2 x round cable/ connecting wires	1 x round cable/ connecting wires		1 x M12 cable socket, angled, 8 poles	1 x M12 cable socket, straight, 8 poles	
M12 wiring <sup>(1)</sup>	-					
Round cable	1 m (including 0,30 m connecting wires)	5 m	2 m	0,3 m	1 m	
max. allowed tensile strain 10 N						
<b>ASi</b>						
Profile	S-7.A.7 (ID1=7 fixed)		S-7.A.0 (ID1=7 default)		S-7.A.E (ID1=7 default)	
Address	1 AB slave					
Required Master profile	≥M4				≥M3	
As of ASi specification	3				2.1	
Operating voltage	30 V (18 ... 31.6 V)					
Max. current consumption	200 mA	165 mA	245 mA	165 mA	90 mA	
Max. current consumption without sensor/ actuator supply	80 mA	45 mA	45 mA	45 mA	40 mA	
<b>Input</b>						
Number	4		1		2	
Power supply	out of ASi					
Power supply of attached sensors	up to +40 °C	120 mA, $\sum (In/Out) \leq 120 \text{ mA}^{(2)}$		200 mA, $\sum (In/Out)$ $\leq 200 \text{ mA}^{(7)}$	120 mA, $\sum (In/Out)$ $\leq 120 \text{ mA}^{(2)}$	50 mA $\sum (In/Out) \leq 50 \text{ mA}$
	at +55 °C	80 mA, $\sum (In/Out) \leq 80 \text{ mA}^{(2)}$		80 mA, $\sum (In/Out)$ $\leq 80 \text{ mA}^{(7)}$	80 mA, $\sum (In/Out)$ $\leq 80 \text{ mA}^{(2)}$	
	at +60 °C	60 mA, $\sum (In/Out) \leq 60 \text{ mA}^{(2)}$		60 mA, $\sum (In/Out)$ $\leq 60 \text{ mA}^{(7)}$	60 mA, $\sum (In/Out)$ $\leq 60 \text{ mA}^{(2)}$	-
Switching threshold	U<5 V (low) U>15 V (high)					
<b>Output</b>						
Number	4		3		2	
Power supply	out of ASi					
Max. output current	up to +40 °C	120 mA, $\sum (In/Out) \leq 120 \text{ mA}^{(2)}$		200 mA, $\sum (In/Out)$ $\leq 200 \text{ mA}^{(7)}$	120 mA, $\sum (In/Out)$ $\leq 120 \text{ mA}^{(2)}$	50 mA $\sum (In/Out) \leq 50 \text{ mA}$
	at +55 °C	80 mA, $\sum (In/Out) \leq 80 \text{ mA}^{(2) (7)}$				
	at +60 °C	60 mA, $\sum (In/Out) \leq 60 \text{ mA}^{(2) (7)}$				-
<b>Display</b>						
LED ASi/FLT (red/green)	green: ASi voltage on, slave online green/red: ASi voltage on, but slave offline green flashing/red: address 0 alternating green flashing/red flashing: peripheral fault <sup>(3)</sup> off: no ASi voltage					
LEDs I1 ... In (yellow)	state of inputs I1 ... I4			state of input I1	state of inputs I1, I2	
LED O1 ... On (yellow)	state of outputs O1 ... O4			state of outputs O1 ... O3	state of outputs O1, O2	

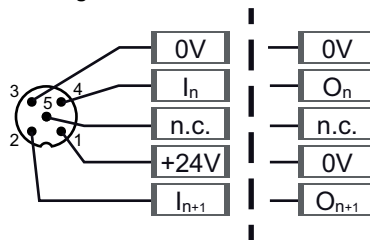
Article No.	BWU3326	BW3500	BWU3606	BWU3639	BWU3400
<b>Environment</b>					
Applied standards	EN 61000-6-2 EN 61000-6-3 EN 61131-2 EN 60529				
Passive safety (up to PLe/SIL 3)	yes <sup>(4)</sup>				
Operating altitude	max. 2000 m				
Ambient temperature	-30 °C ... +60 °C <sup>(2)</sup> <sup>(5)</sup> <sup>(6)</sup> (no condensation permitted)				-30 °C ... +55 °C <sup>(5)</sup> (no condensation permitted)
Storage temperature	-25 °C ... +85 °C				
Housing	plastic, for screw mounting, suitable for cable ducts (≥35 mm installation depth)				plastic, for screw mounting, suitable for cable ducts (≥19 mm installation depth)
Pollution degree	2				
Protection category	IP67 <sup>(6)</sup>				
Maximum tolerable shock and vibration stress	≤15g, T≤11 ms 10 ... 55 Hz, 0,5 mm amplitude				
Insulation voltage	≥500 V				
Weight	100 g				
Dimensions (W / H / D) in mm	60 / 45 / 35				60 / 45 / 19

(1) **M12 wiring:** either as a single-wiring, Y-wiring or mixed-wiring.

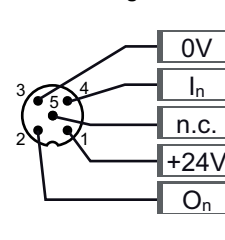
**Single-wiring**



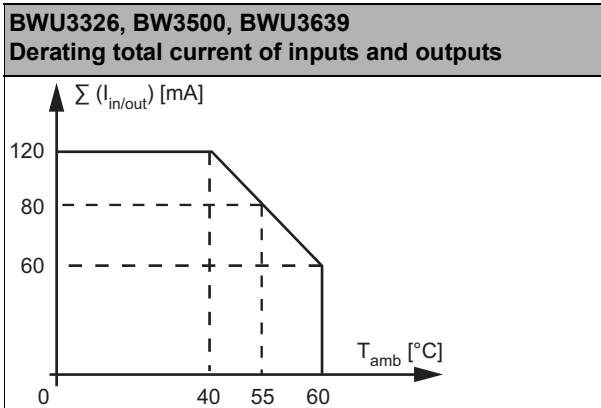
**Y-wiring**



**Mixed-wiring**



(2)

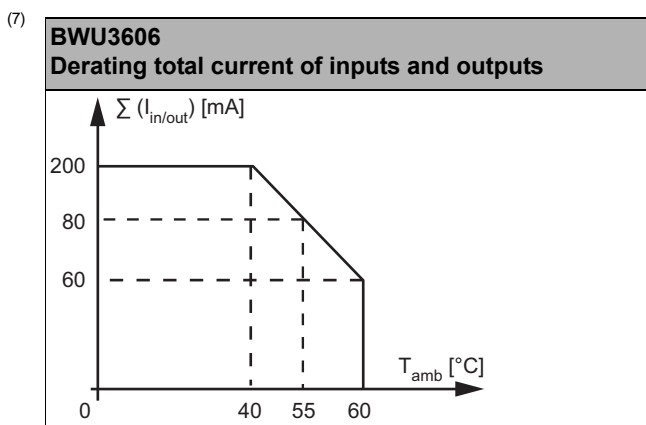


(3) **see table "Peripheral fault indication"**

(4) Exclusion of errors for the connection of the two ASI and AUX potentials can be assumed in the module. Passive safety for the application can only be achieved if this is ensured for all components used.

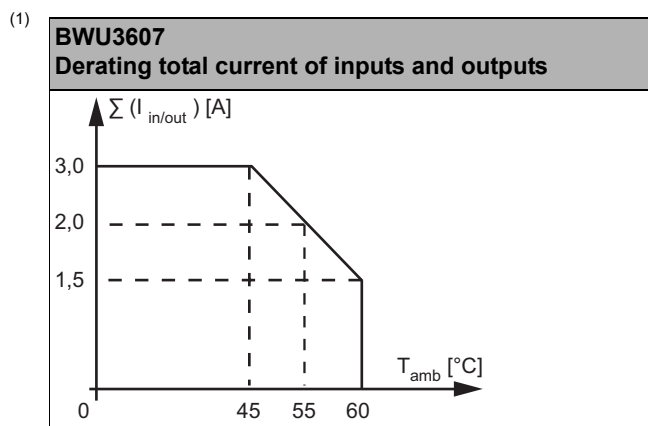
(5) Down to -25 °C with flexibly mounted cable, -30 °C only with fixed mounted cable.

(6) Protection category IP67 can only be achieved, if also the cable connector fulfills IP67



<b>Article No.</b>		<b>BWU3607</b>
<b>General data</b>		
Device type		input/output
<b>Connection</b>		
ASi/AUX connection		profile cable and piercing
Periphery connection		1 x round cable/connecting wires
Round cable		3 m (including 0,10 m connecting wires) max. allowed tensile strain 10 N
<b>ASi</b>		
Profile		S-7.A.7 (ID1=7 fixed)
Address		1 AB slave
Required Master profile		≥M4
As of ASi specification		3
Operating voltage		30 V (18 ... 31.6 V)
Max. current consumption		45 mA
Max. current consumption without sensor/ actuator supply		45 mA
<b>AUX</b>		
Operating voltage		24 V (18 ... 30 V <sub>DC</sub> )
Max. current consumption		3 A
<b>Input</b>		
Number		2
Power supply		out of AUX
Power supply of attached sensors	up to +45 °C	Σ(In/Out) ≤ 3 A <sup>(1)</sup>
	at +55 °C	Σ(In/Out) ≤ 2 A <sup>(1)</sup>
	at +60 °C	Σ(In/Out) ≤ 1,5 A <sup>(1)</sup>
Switching threshold		U < 5 V (low) U > 15 V (high)
<b>Output</b>		
Number		2
Power supply		out of AUX
Max. output current	up to +45 °C	1 A Σ(In/Out) ≤ 3 A <sup>(1)</sup>
	at +55 °C	1 A Σ(In/Out) ≤ 2 A <sup>(1)</sup>
	at +60 °C	1 A Σ(In/Out) ≤ 1,5 A <sup>(1)</sup>

<b>Article No.</b>	<b>BWU3607</b>
<b>Display</b>	
LED ASi/FLT (red/green)	green: ASi voltage on, slave online green/red: ASi voltage on, but slave offline green flashing/red: address 0 alternating green flashing/red flashing: peripheral fault <sup>(2)</sup> off: no ASi voltage
LED AUX (green)	on: 24 V <sub>DC</sub> AUX off: no 24 V <sub>DC</sub> AUX
LEDs I1 ... I4 (yellow)	state of inputs I1 ... I4
LED O1 ... O4 (yellow)	state of outputs O1 ... O4
<b>Environment</b>	
Applied standards	EN 61000-6-2 EN 61000-6-3 EN 61131-2 EN 60529
Passive safety (up to PLe/SIL 3)	yes <sup>(3)</sup>
Operating altitude	max. 2000 m
Ambient temperature	-30 °C ... +60 °C (no condensation permitted)
Storage temperature	-25 °C ... +85 °C
Housing	plastic, for screw mounting, suitable for cable ducts (≥35 mm installation depth)
Pollution degree	2
Protection category	IP67 <sup>(4)</sup>
Maximum tolerable shock and vibration stress	≤15g, T≤11 ms, 10 ... 55 Hz, 0,5 mm amplitude
Insulation voltage	≥500 V
Weight	100 g
Dimensions (W / H / D) in mm	60 / 45 / 35



(2) see table "Peripheral fault indication"

(3) Exclusion of errors for the connection of the two ASi and AUX potentials can be assumed in the module. Passive safety for the application can only be achieved if this is ensured for all components used.

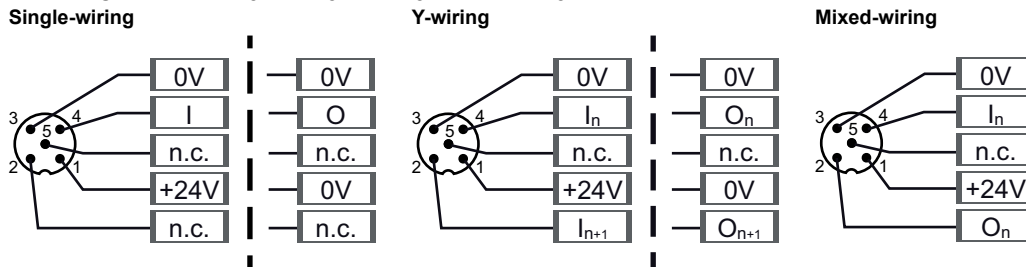
(4) Protection category IP67 can only be achieved, if also the cable connector fulfills IP67.

Article No.	BWU3342	BW3300	BWU3487	BWU4087
<b>General data</b>				
Device type	output			



Article No.	BWU3342	BW3300	BWU3487	BWU4087
<b>Connection</b>				
ASI/AUX connection	profile cable and piercing			
Periphery connection	8 x push in terminals; wire section flexible (wire end ferrule without plastic sleeve): min. 0,2 mm <sup>2</sup> ; max. 0,5 mm <sup>2</sup> /AWG20	1 x round cable/ connecting wires		1 x M12 cable socket, straight, 5 poles
M12 wiring <sup>(1)</sup>	-			
Round cable	-	1 m	5 m	2 m
max. allowed tensile strain 10 N				
<b>ASI</b>				
Profile	S-7.A.7 (ID1=7 fixed)			
Address	1 AB slave			
Required Master profile	≥M4			
As of ASi specification	3.0			
Operating voltage	30 V (18 ... 31.6 V)			
Max. current consumption	35 mA			
Max. current consumption without sensor/ actuator supply	35 mA			
<b>AUX</b>				
Operating voltage	24 V (18 ... 30 V <sub>DC</sub> )			
Max. current consumption	1 A			
<b>Output</b>				
Number	4			
Power supply	out of AUX			
Max. output current	up to +50 °C	250 mA per output, Σ (Out) 1 A		
	at +60 °C			
	at +70 °C			
<b>Display</b>				
LED ASI/FLT (red/green)	green: ASi voltage on, slave online green/red: ASi voltage on, but slave offline green flashing/red: address 0 alternating green flashing/red flashing: peripheral fault <sup>(2)</sup> off: no ASi voltage			
LED AUX (green)	on: 24 V <sub>DC</sub> AUX off: no 24 V <sub>DC</sub> AUX			
LED O1 ...On (yellow)	state of outputs O1 ... O4			
<b>Environment</b>				
Applied standards	EN 61000-6-2 EN 61000-6-3 EN 61131-2 EN 60529			
Passive safety (up to PLe/SIL 3)	no <sup>(3)</sup>			
Operating altitude	max. 2000 m			
Ambient temperature	-30 °C ... +70 °C (no condensation permitted)			
Storage temperature	-25 °C ... +85 °C			
Housing	plastic, for screw mounting, suitable for cable ducts (≥19 mm installation depth)			
Pollution degree	2			
Protection category	IP20	IP67 <sup>(4)</sup>		
Maximum tolerable shock and vibration stress	≤15g, T≤11 ms 10 ... 55 Hz, 0,5 mm amplitude			
Insulation voltage	≥ 500 V			
Weight	50 g	100 g		
Dimensions (W / H / D) in mm	60 / 45 / 19			

(1) **M12 wiring:** either as a single-wiring, Y-wiring or mixed-wiring.



(2) **see table "Peripheral fault indication"**

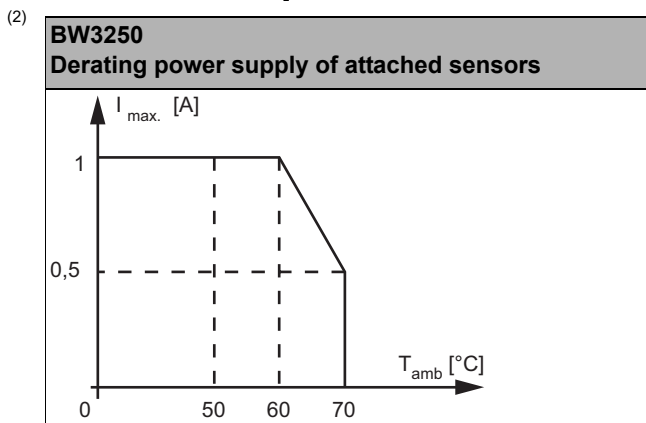
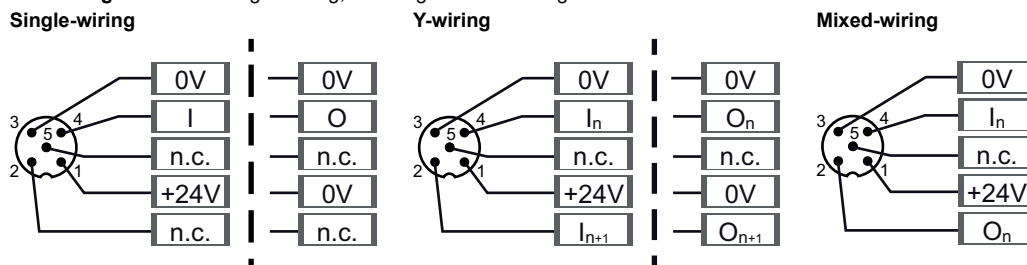
(3) Exclusion of errors for the connection of the two ASI and AUX potentials cannot be assumed in the module. It is not possible to achieve passive safety for the application with this module.

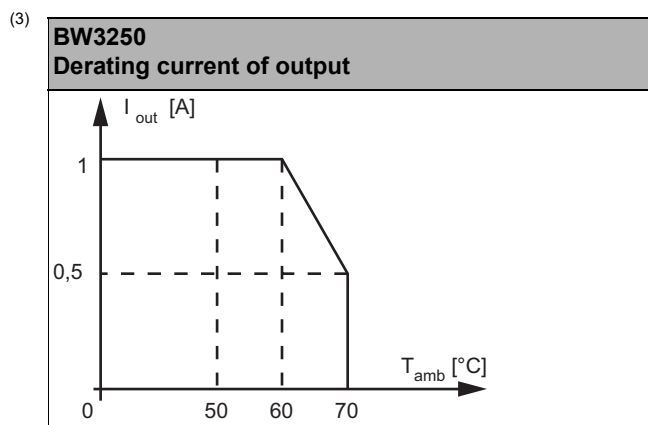
(4) Protection category IP67 can only be achieved, if also the cable connector fulfills IP67

Article No.	BW3250	BWU3497	BWU3628	BWU3602
<b>General data</b>				
Device type	input/output			
<b>Connection</b>				
ASI/AUX connection	profile cable and piercing			
Periphery connection	2 x M12 cable sockets, angled, 5 poles	2 x M12 cable sockets, straight, 5 poles	inputs: 1 x M12 cable sockets, straight, 5 poles + outputs: 1 x round cable / connecting wire	2 x round cable / connecting wires
M12 wiring <sup>(1)</sup>	1 x Y wiring+ 1 x mixed wiring	Y wiring		–
Round cable	1 m	0,4 m	I: 0,4 m O: 1,5 m	1 m
allowed tensile strain 10 N				
<b>ASI</b>				
Profile	S-7.A.E (ID1=7 default)			
Address	1 AB slave			
Required Master profile	≥M3			
As of ASI specification	2.1			
Operating voltage	30 V (18 ... 31.6 V)			
Max. current consumption	35 mA			
Max. current consumption without sensor/ actuator supply	35 mA			
<b>AUX</b>				
Operating voltage	24 V (18 ... 30 V <sub>DC</sub> )			
Max. current consumption	2 A	1 A		
<b>Input</b>				
Number	2			
Power supply	out of AUX			
Power supply of attached sensors	up to +50 °C	1 A <sup>(2)</sup>	$\Sigma(\text{In/Out})$ 1 A <sup>(7)</sup>	
	at +60 °C			
	at +70 °C	0,5 A <sup>(2)</sup>	$\Sigma(\text{In/Out})$ 0,5 A <sup>(7)</sup>	
Switching threshold	U<5 V (low) U>15 V (high)			
<b>Output</b>				
Number	1	2		
Power supply	out of AUX			
Max. output current	up to +50 °C	1 A <sup>(3)</sup>	$\Sigma(\text{In/Out})$ 1 A <sup>(7)</sup>	
	at +60 °C			
	at +70 °C	0,5 A <sup>(3)</sup>	$\Sigma(\text{In/Out})$ 0,5 A <sup>(7)</sup>	

Article No.	BW3250	BWU3497	BWU3628	BWU3602
<b>Display</b>				
LED ASi/FLT (red/green)	green: ASi voltage on, slave online green/red: ASi voltage on, but slave offline green flashing/red: address 0 alternating green flashing/red flashing: peripheral fault <sup>(4)</sup> off: no ASi voltage			
LED AUX (green)	on: 24 V <sub>DC</sub> AUX off: no 24 V <sub>DC</sub> AUX			
LEDs I1 ... In (yellow)	state of inputs I1, I2			
LED O1 ... On (yellow)	state of output O1	state of outputs O1, O2		
<b>Environment</b>				
Applied standards	EN 61000-6-2 EN 61000-6-3 EN 61131-2 EN 60529			
Passive safety (up to PLe/SIL 3)	no <sup>(5)</sup>	yes <sup>(8)</sup>	no <sup>(9)</sup>	
Operating altitude	max. 2000 m			
Ambient temperature	-30 °C ... +70 °C <sup>(2) (3) (6) (7)</sup> (no condensation permitted)			-30 °C ... +70 °C <sup>(7) (6)</sup>
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			
Maximum tolerable shock and vibration stress	≤15g, T≤11 ms 10 ... 55 Hz, 0,5 mm amplitude			
Insulation voltage	≥ 500 V			
Weight	100 g			
Dimensions (W / H / D) in mm	60 / 45 / 19			

<sup>(1)</sup> **M12 wiring:** either as a single-wiring, Y-wiring or mixed-wiring.

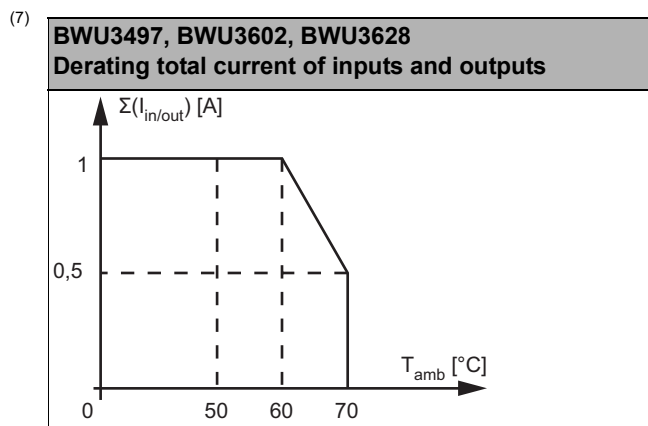




(4) see table "Peripheral fault indication"

(5) Exclusion of errors for the connection of the two ASi and AUX potentials cannot be assumed in the module. It is not possible to achieve passive safety for the application with this module.

(6) Down to -25 °C with flexibly mounted cable, -30 °C only with fixed mounted cable.



(8) BWU3497 from Ident. No. 18444; BWU3628 from Ident. No. 18323; Exclusion of errors for the connection of the two ASi and AUX potentials can be assumed in the module. Passive safety for the application can only be achieved if this is ensured for all components used.

(9) Exclusion of errors for the connection of the two ASi and AUX potentials cannot be assumed in the module. It is not possible to achieve passive safety for the application with this module.

UL-specifications (UL61010)	
<b>BW3250, BW3300, BWU3317, BWU3326, BWU3342, BWU3349, BWU3374, BW3377, BWU3400, BWU3414, BWU3487, BWU3497, BWU348, BW3500, BW3507, BWU3534, BWU3555, BWU3564, BWU3577, BWU3602, BWU3606, BWU3607, BWU3608, BWU3628, BWU3632, BWU3633, BWU3639, BWU3642, BWU3695, BWU3785, BWU4087</b>	
External protection	An isolated source with a secondary open circuit voltage of ≤30 V <sub>DC</sub> 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.

Article no.	Peripheral fault indication		
	Overload sensor supply	Output short circuited	AUX voltage missing
BW3250	•	•	•
BW3300	–	•	•
BWU3317	•	–	•
BWU3326	•	–	–
BWU3342	–	•	•
BWU3349	•	–	•
BWU3374	•	–	–
BW3377	–	–	•
BWU3400	•	•	–

Article no.	Peripheral fault indication		
	Overload sensor supply	Output short circuited	AUX voltage missing
BWU3414	•	•	•
BWU3487	-	•	•
BWU3497	•	•	•
BWU3498	•	-	•
BW3500	•	-	-
BW3507	•	-	•
BWU3534	•	-	-
BWU3555	•	-	•
BWU3564	•	-	•
BWU3577	•	-	-
BWU3602	•	•	•
BWU3606	•	-	-
BWU3607	-	-	•
BWU3608	-	-	•
BWU3628	•	•	•
BWU3632	•	-	-
BWU3633	•	-	-
BWU3639	•	-	-
BWU3642	•	-	-
BWU3695	•	-	-
BWU3785	-	-	•
BWU4087	-	•	•

Programming	ASi bit assignment			
	D3	D2	D1	D0
	<b>input</b>			
BWU3534, BWU3639	I4	–	–	–
BW3250, BWU3400, BWU3497, BWU3564, BWU3602, BWU3607, BWU3628, BWU3642, BWU3695	–	–	I2	I1
BWU3414, BWU3785	–	I3	I2	I1
BWU3317, BWU3326, BWU3349, BWU3374, BW3377, BWU3498, BW3500, BW3507, BWU3555, BWU3577, BWU3606, BWU3608, BWU3632, BWU3633	I4	I3	I2	I1
	<b>output</b>			
BW3250, BWU3414	–	–	–	O1
BWU3400, BWU3497, BWU3577, BWU3602, BWU3607, BWU3628, BWU3695	–	–	O2	O1
BWU3639	–	O3	O2	O1
BW3300, BWU3317, BWU3326, BWU3342, BW3377, BWU3487, BW3500, BW3507, BWU3534, BWU3555, BWU3606, BWU3785	O4	O3	O2	O1

Programming	ASi bit assignment			
	parameter bit			
	P3	P2	P1	P0
BW3250, BWU3317, BW3377, BWU3414, BWU3497, BW3507, BWU3555, BWU3564, BWU3602, BWU3608, BWU3628, BWU3785	not used	0= on / 1= off (synchronous I/O mode)	0= off / 1= on (peripheral fault, if AUX missing)	0= off / 1= on (Watchdog)
BW3300, BWU3326, BWU3342, BWU3487, BW3500, BWU4087			not used	
BWU3374, BWU3400, BWU3534, BWU3577, BWU3606, BWU3607, BWU3633, BWU3639, BWU3695			0= on / 1= off (data input filter 128 µs)	
BWU3349, BWU3498			0= off / 1= on (peripheral fault)	
BWU3632, BWU3642			not used	

## Pin assignment

Signal name	Explanation
I <sub>x</sub>	digital input x
O <sub>x</sub>	digital output x
24V <sub>ext out</sub>	power supply, out of external voltage, positive pole (AUX, actuator supply)
0V <sub>ext out</sub>	power supply, out of external voltage, negative pole (AUX, actuator supply)
24V <sub>out of ASi</sub>	power supply, out of ASi, positive pole (sensor supply)
0V <sub>out of ASi</sub>	power supply, out of ASi, negative pole (sensor supply)
ASi +, ASi -	connection to ASi bus
n.c. (not connected)	not connected

Connections: round cable/connecting wires												
Article no.	connec.	BN	WH	BU	BK	PK	GY	RD	GN	YE	OG	
BWU3374	X1	24 V out of ASi	I4	0 V <sub>out of ASi</sub>	I3							
	X2	24 V out of ASi	I2	0 V <sub>out of ASi</sub>	I1							
BW3300 / BWU3487	X1	O1	0 V <sub>1 ext.out</sub>	O2	O3	0 V <sub>2 ext.out</sub>	O4					
BWU3317	X1	I1	I2	I3	I4	0 V <sub>1 out of ASi</sub>	24 V out of ASi					
	X2	O1	0 V <sub>2 ext out</sub>	O2	O3	0 V <sub>3 ext out</sub>	O4					
BWU3326	X1	I1	I2	I3	I4	0 V <sub>1 out of ASi</sub>	24 V out of ASi					
	X2	O1	0 V <sub>2 out of ASi</sub>	O2	O3	0 V <sub>3 out of ASi</sub>	O4					
BW3500 / BWU3606	X1	I1	I2	I3	I4	O4	O3	O1	O2	0 V out of ASi	24 V out of ASi	
BWU3602	X1	24 V ext out	I2	0 V ext out	I1							
	X2	24 V ext out	O2	0 V ext out	O1							

Connections: round cable/connecting wires												
Article no.	connec.	BN	WH	BU	BK	PK	GY	RD	GN	YE	OG	
BWU3607	X1	24 V ext out	I1	0 V <sub>ext</sub> out	O1	I2	O2	-	-	-	-	
		<p>The reference potential of sensors/actors has to be connected with the reference potential of the active distributor (AUX).</p>										
BWU3608	X1	24 V ext out	-	0 V ext out	I2							
	X3	24 V ext out	-	0 V ext out	I1							
	X4	24 V ext out	-	0 V ext out	I3	-	-	-	-	-	-	
	M8 connection	Pin1	Pin2	Pin3	Pin4							
	X2	24 V ext out	n.c.	0 V ext out	I4							
BWU3628	X2	24 V ext out	O2	0 V ext out	O1	-	-	-	-	-	-	
	M12 connection	Pin1	Pin2	Pin3	Pin4	Pin5						
	X1	24 V ext out	I2	0 V ext out	I1	n.c.						

Connections: M8 cable sockets, straight, 4 poles						
Article no.	M8 connection	Pin1	Pin2	Pin3	Pin4	
BWU3555	X1	24V out of ASI	I4	0V out of ASI	I3	
	X2	n.c.	O4	0 V ext out	O3	
	X3	24V out of ASI	I2	0V out of ASI	I1	
	X4	n.c.	O2	0 V ext out	O1	
BWU3577	X1	24 V out of ASI	n.c.	0 V out of ASI	I3	
	X2	24 V out of ASI	n.c.	0 V out of ASI	I4	
	X3	24 V out of ASI	n.c.	0 V out of ASI	I1	
	X4	24 V out of ASI	n.c.	0 V out of ASI	I2	
	X5	n.c.	n.c.	0 V out of ASI	O1	
	X6	n.c.	n.c.	0 V out of ASI	O2	



Connections: M8, M12 cable sockets						
Article no.	M12 connection	Pin1	Pin2	Pin3	Pin4	Pin5
BW3695	X1	24V out of ASi	n.c.	0V out of ASi	I1	n.c.
	X3	24V out of ASi	n.c.	0V out of ASi	I2	n.c.
	M8 connection	Pin1	-	Pin3	Pin4	-
	X2	n.c.	-	0V out of ASi	O1	-
	X4	n.c.	-	0V out of ASi	O2	-

Connections: M12 cable sockets, straight, 5 poles						
Article no.	M12 connection	Pin1	Pin2	Pin3	Pin4	Pin5
BWU3633	X1	24V out of ASi	n.c.	0V out of ASi	I3	n.c.
	X2	24V out of ASi	n.c.	0V out of ASi	I4	n.c.
	X3	24V out of ASi	n.c.	0V out of ASi	I1	n.c.
	X4	24V out of ASi	n.c.	0V out of ASi	I2	n.c.

Connections: M12 cable sockets, straight/angled, 5 poles						
Article no.	M12 connection	Pin1	Pin2	Pin3	Pin4	Pin5
BW3250	X1	24 V <sub>ext out</sub>	I2	0 V <sub>ext out</sub>	I1	n.c.
	X2	24 V <sub>ext out</sub>	O1	0 V <sub>ext out</sub>	I1	n.c.
BW3507	X1	I1	I2	I3	I4	24 V out of ASi
	X2	O1	0 V ext out	O2	O3	O4
BWU3497	X1	24 V <sub>ext out</sub>	I2	0 V <sub>ext out</sub>	I1	n.c.
	X2	24 V <sub>ext out</sub>	O2	0 V <sub>ext out</sub>	O1	n.c.
BWU3785	X1	24 V out of AUX	I2	0 V <sub>ext out</sub>	I1	I3
	X2	O2	O3	0 V <sub>ext out</sub>	O1	O4

Connections: M12 cable sockets, straight/angled, 5 poles						
Article no.	M12 connection	Pin1	Pin2	Pin3	Pin4	Pin5
BWU3498	X1	24 V ext out	I2	0 V ext out	I1	n.c.
	X2	24 V ext out	I4	0 V ext out	I3	n.c.
BWU3534	X1 (straight)	24 V out of ASI	O4	0 V out of ASI	I4	n.c.
	X2 (angled)		O3	0 V out of ASI	O2	n.c.
BWU3642	X1	24 V out of ASI	I2	0 V out of ASI	I1	n.c.
BWU3564	X1	24 V ext out	I2	0 V ext out	I1	n.c.
BWU4087	X1		O2	0 V ext out	O3	O1
<p>The reference potential of sensors/actors has to be connected with the reference potential of the active distributor (AUX).</p>						
BWU3632	X1	24V out of ASI	n.c.	0V out of ASI	I2	n.c.
	X2	24V out of ASI	n.c.	0V out of ASI	I4	n.c.
	X3	24V out of ASI	n.c.	0V out of ASI	I1	n.c.
	X4	24V out of ASI	n.c.	0V out of ASI	I3	n.c.

Connections: M12 cable sockets, straight, 8 poles									
Article no.	M8 connection	Pin1 (---)	Pin2 (BN)	Pin3 (WH)	Pin4 (BK)	Pin5 (GY)	Pin6 (PK)	Pin7 (BU)	Pin8 (---)
BWU3400	X1	n.c.	24 V out of ASI	0 V out of ASI	I1	I2	O1	O2	n.c.

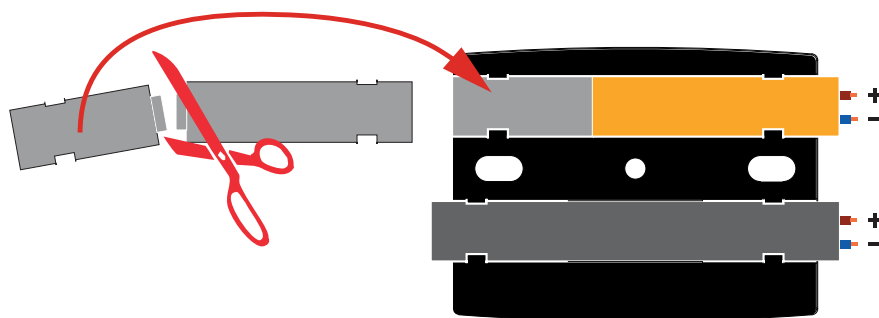
Connections: M12 cable sockets, straight/angled, 8 poles										
Article no.	connection	Pin1 (WH)	Pin2 (BN)	Pin3 (GN)	Pin4 (YE)	Pin5 (GY)	Pin6 (PK)	Pin7 (BU)	Pin8 (RD)	
BW3377	X1	I1	I2	I3	I4	O1	O2	O3	O4	
<p>The reference potential of sensors/actors has to be connected with the reference potential of the active distributor (AUX).</p>										
BWU3639	X1	I4	24 V out of ASi	O2	O1	n.c.	n.c.	0V	O3	

Connections: push in terminals									
Article no.	X1.1	X1.2	X1.3	X1.4	X1.5	X1.6	X1.7	X1.8	
BWU3349	I1	I2	I3	I4	24 V <sub>1</sub> ext.out	0 V <sub>1</sub> ext.out	24 V <sub>2</sub> ext.out	0 V <sub>2</sub> ext.out	
BWU3342	O1	0 V 1 ext out	O2	0 V <sub>2</sub> ext out	O3	0 V <sub>3</sub> ext out	O4	0 V <sub>4</sub> ext out	
BWU3414	I1	I2	I3	O1	24 V <sub>1</sub> ext.out	0 V <sub>1</sub> ext.out	24 V <sub>2</sub> ext.out	0 V <sub>2</sub> ext.out	

### Line termination with sealing profile



max. IP54



### Accessories:

- Sealing profile IP67 (IDC plug), 60 mm (art. no. BW3282)
- ASi addressing cable with M12 connector, connecting cable for handheld ASi address programming devices for the addressing of active distributors (art. no. BW3304)
- ASi addressing cable with COMBICON connector, connecting cable for ASi Master/Gateways for the addressing of active distributors (art. no. BW3305)