

connections for profile cables for 1 x ASi + 1 x AUX

- to M12 cable socket



(figure similar)

Figure	Profile cable connection	Connection ⁽¹⁾	Internal fuse	Round cable ⁽²⁾	Flat design, montage in cable duct possible ⁽³⁾	LED status display	Special function	Article no.
	1 x ASi, 1 x AUX	1 x M12 cable socket, straight, 5-poles	no	2 m	yes, 19 mm deep	no	to connect ASi devices via M12	BW3911

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

M12 cable socket, angled	M12 cable socket, straight	M8 cable socket, straight	round cable / connecting wires	profile cable branch
PUR line: oil resistant				

(2) **Cable:** other cable lengths are available on request.

Under normal conditions (no bus termination or repeater), the permissible total length of the **ASi segment is max. 100 m**. The calculation should take into consideration that the length of the connection cable (**round cable**) for each connected **Passive Distributor** must be **doubled**. In the case of the **Active Distributors** (ASi modules) however only the **one** ASi profile cable is counted.

(3) **Flat design, installation in cable duct possible**

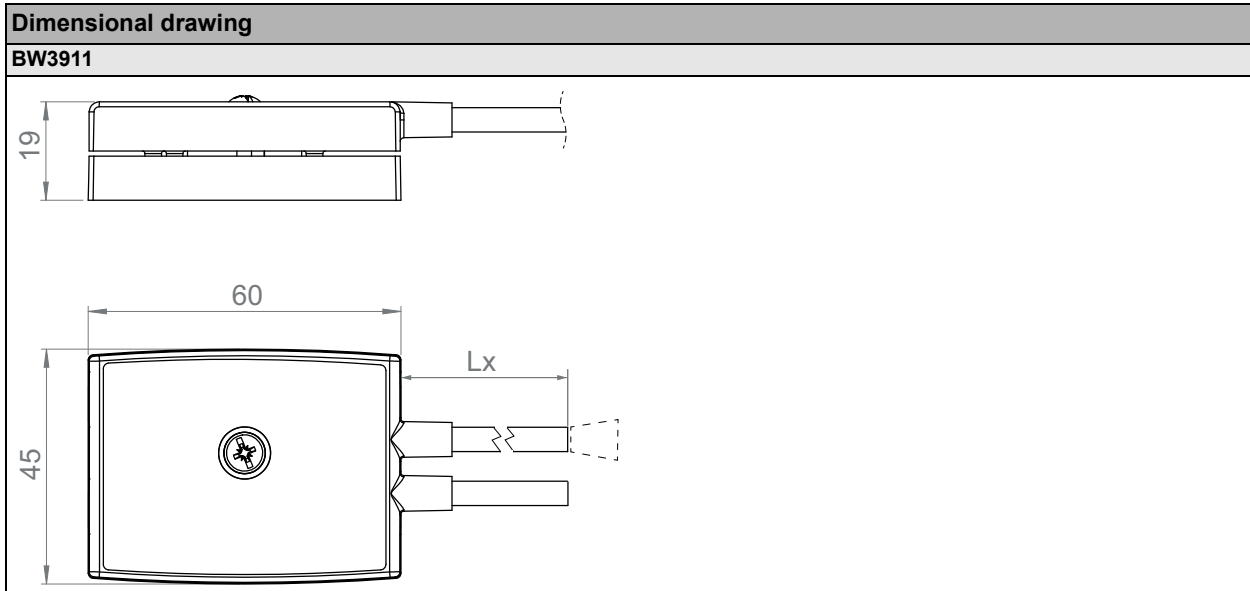
Modules with a flat housing design and with cables which exit the sides make these ideal for installation in cable ducts, cable channels, cable troughs, cable rails or cable trays. Please note the respective housing depth for your particular installation.

Article No.	BW3911
Connection	
Profile cable connection	1 x ASi, 1 x AUX profile cable and piercing
Connection	1 x M12 cable socket, straight, 5-poles
Round cable (L in m)	L1 (ASi/AUX): 1,0 max. allowed tensile strain 10 N
Operating voltage	10 ... 32 V _{DC} PELV
Operating current	≤4 A at each connection
Internal fuses	–
UL-specifications (UL61010-1 and UL61010-2-201)	
External protection	An isolated source with a secondary open circuit voltage of ≤30 V _{DC} with a 3 A maximum over current protection. Over current protection is not required when a Class 2 source is employed.

Passive Distributor ASI, IP67

Article No.	BW3911
Environment	
Applied standards	EN 60529 EN 61000-6-2 EN 61000-6-3
It can be used with a switched AUX cable, which is passively safe up to SIL3/PLe	no ⁽¹⁾
Operating altitude	max. 2000 m
Ambient temperature	-30 °C ... +70 °C ⁽²⁾
Storage temperature	-25 °C ... +85 °C
Housing	plastic, for screw mounting, suitable for cable ducts (installation depth ≥19 mm)
Pollution Degree	2
Protection category	IP67
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	75 g
Dimensions (W / H / D) in mm	60 / 45 / 19

- (1) The passiv distributor is not suitable for use in paths with a passively safe-switched AUX cable, since an exclusion of errors cannot be assumed for the connection of the two ASI and AUX potentials.
If the passiv distributor is supplied from an unswitched AUX cable, this has no influence on the safety consideration for the paths with passively safe-switched AUX cable. In an ASI circuit, paths supplied from a passively safe-switched AUX cable and paths supplied from unswitched AUX potential can be used together.
- (2) Down to -25 °C with flexibly mounted cable, -30 °C only with fixed mounted cable.



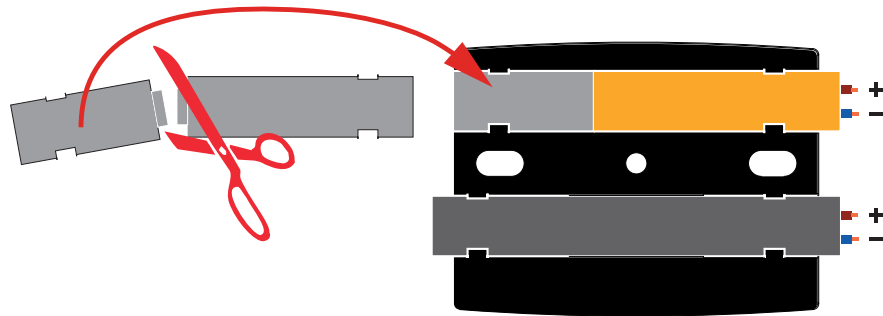
Connections: M12

Article No.	M12 connection	Pin1	Pin2	Pin3	Pin4	Pin5
BW3911	X1	ASI +	AUX -	ASI -	AUX +	n.c.

Line termination with sealing profile



max. IP54



Accessories:

- Sealing profile IP67 (IDC plug), 60 mm (article no. BW3282)