

Extends the distance between AS-i Power Supply and AS-i Network

Can be used in combination with Repeater/Extender

AS-i Power Extender and AS-i Gateway in IP65 Power Supply remains in IP20

Various AS-i networks can be powered by one power supply



Accessory: Art. no. BW1181 Accessory: Art. no. BW1183



Article no. BWU1197: AS-i Power Extender 2,8 A

Article no. BW1713: AS-i Power Extender 2,8 A, Class I Div. 2 (Group A, B, C & D, T-Code 4)

Article no. BWU1477: AS-i Power Extender 4,0 A

Article no. BW1714: AS-i Power Extender 4,0 A, Class I Div. 2 (Group A, B, C & D, T-Code 4)

The AS-i Power Extender is used to extend the distance between the power supply and the actual AS-i network.

Either an AS-i Power Supply or a standard power supply with 30 V according to AS-i specification can be used to power the remote AS-i network.

The AS-i Power Extender has to be connected in between of the Power Supply on one side and the AS-i Master and slaves on the other side.

In dependence on cable resistor and current there is a voltage drop between the power supply and the AS-i Power Extender. The AS-i voltage at the AS-i Power Extender's output is displayed with the help of two LEDs.

1. AS-i voltage at the AS-i Power Extender > 28 V
2. AS-i voltage at the AS-i Power Extender > 26 V

In combination with gateways in IP65 you can easily build up small decentral islands.

As with normal AS-i networks the user has to make sure that actuators have to be powered with 24 V +10%/-15%.

As rule of thumb für die AS-i cable length in dependence of the AS-i voltage compared with conventional AS-i network (cable cross-section: 1,5 mm², for example with AS-i flat cable):

1. AS-i voltage > 28 V: approx. 80 m cable length
2. AS-i voltage > 26 V: approx. 60 m cable length

Inside the AS-i Power Extender you can find a data decoupling for max. 2,8 A/4,0 A current with 30 V AS-i voltage. The AS-i Power Extender is short circuit protected (self-recovering fuse, idle, 3 A/6 A).

The AS-i Power Extender was developed for the use in combination with repeater/extender. The AS-i Power Extender is located in an IP65 housing with a substructure module.

Article no.	BWU1197	BW1713		BWU1477	BW1714	
Connections: 30 V input voltage AS-i output voltage Function earth	standard AS-i substructure module for the connection of the AS-i cable and the external power supply cage clamp					
Short circuit protection (self-recovering fuse)	3 A			6 A		
Display: LED green LED green	AS-i voltage > 28 V AS-i voltage > 26 V					
Operating current	< 2,8 A at 30 V			< 4,0 A at 30 V		
Operating voltage	30 V DC (PELV)					
Voltage of insulation	≥ 500 V					
EMC directions	EN 50082, EN 50081					
Ambient operating temperature	0°C ... +70°C					
Storage temperature	-25°C ... +85°C					
Housing	housing for DIN rail mounting					
Dimensions (L, W, H)	45 mm, 80 mm, 70 mm					
Protection category (DIN 40 050)	IP65					
Weight	120 g					

Accessories:

AS-i substructure module for the connection to the AS-i flat cable and the flat cable for 24 V DC (article no. BW1181).
AS-i substructure module for the connection to the AS-i round cable and the round cable for 24 V DC (article no. BW1183)