

# ASi Power Supply Decoupling Unit: Supply of 2 ASi Networks via 1 Power Supply

## ASi Power Supply Decoupling Unit for 2 ASi Networks

### ASi Power Extender for 2 ASi networks

Applicable with double masters  
without integrated data decoupling

Supply of 2 ASi networks out of 1 power supply

Protection category IP20



### Article no. BWU1943: Supply 2 ASi networks out of 1 power supply

The ASi Power Supply Decoupling Unit was developed for the use with double masters without integrated data decoupling in the master. It is used to decouple the power supply in order to power up 2 ASi networks with only 1 ASi Power Supply.

The ASi Power Supply Decoupling Unit indicates the ASi voltage at the inputs with two LEDs in two steps:

1. ASi voltage > 28 V
2. ASi voltage > 26 V

The data decoupling unit built inside the ASi Power Supply Decoupling Unit is limited to 4,0 A at 30 V for each network.

ASi Power Supply Decoupling Unit is short circuit protected (self-recovering fuse, 6 A).

The ASi Power Supply Decoupling Unit can also be used in combination with a repeater. It has an IP20 housing.

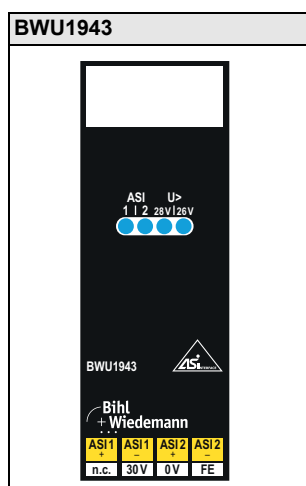
Several ASi Power Supply Decoupling Units can be supplied out of 1 power supply.

The DC line from the power supply must not be grounded!

<b>Article no.</b>	<b>BWU1943</b>
<b>Connections</b>	
Connections	30 V input voltage ASi output voltage Function earth
Operating current	< 4,0 A at 30 V (per output)
Operating voltage	30 V DC (PELV)
<b>Display</b>	
LED PWR1 (green)	ASi voltage (circuit 1) ON
LED PWR2 (green)	ASi voltage (circuit 2) ON
LED U>28(green)	ASi voltage > 28 V
LED U>26 (green)	ASi voltage > 26 V
<b>Environment</b>	
Applied standards	EN 61000-6-2, EN 61000-6-4
Operating temperature	0°C ... +55°C
Storage temperature	-25°C ... +85°C
Housing	housing for DIN rail mounting
Protection category (DIN 40 050)	IP20
Voltage of insulation	≥ 500 V
Weight	120 g
Dimensions (L, W, H in mm)	99 / 22,5 / 92

<b>UL-specifications (UL508)</b>	
<b>BWU1943</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.

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### Accessories:

- ASi Power Supply 4 A (article no. BW1649)
- 8 A Power Supply for ASi Master in Stainless Steel for 2 ASi circuits (article no. BW1593)
- 8 A Power Supply with 3 Phases for ASi Master in Stainless Steel for 2 ASi circuits (article no. BW1676)
- ASi Advanced Repeater (article no. BW1855)
- 24 V to 30 V ASi Power Supply in Stainless Steel 2 A (article no. BW1760)