

ASi Power Supply Decoupling Unit

Applicable with double masters
without integrated data decoupling

Supply of 2 ASi networks via
1 x 30 V power supply (BWU4943) and
Supply of 1 ASi network via
1 x 30 V power supply (BWU4944)

Protection category IP20



Article no. BWU4943: Supply 2 ASi networks via 1 x 30 V power supply

Article no. BWU4944: Supply 1 ASi network via 1 x 30 V 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 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 8,0 A at 30 V for each network.

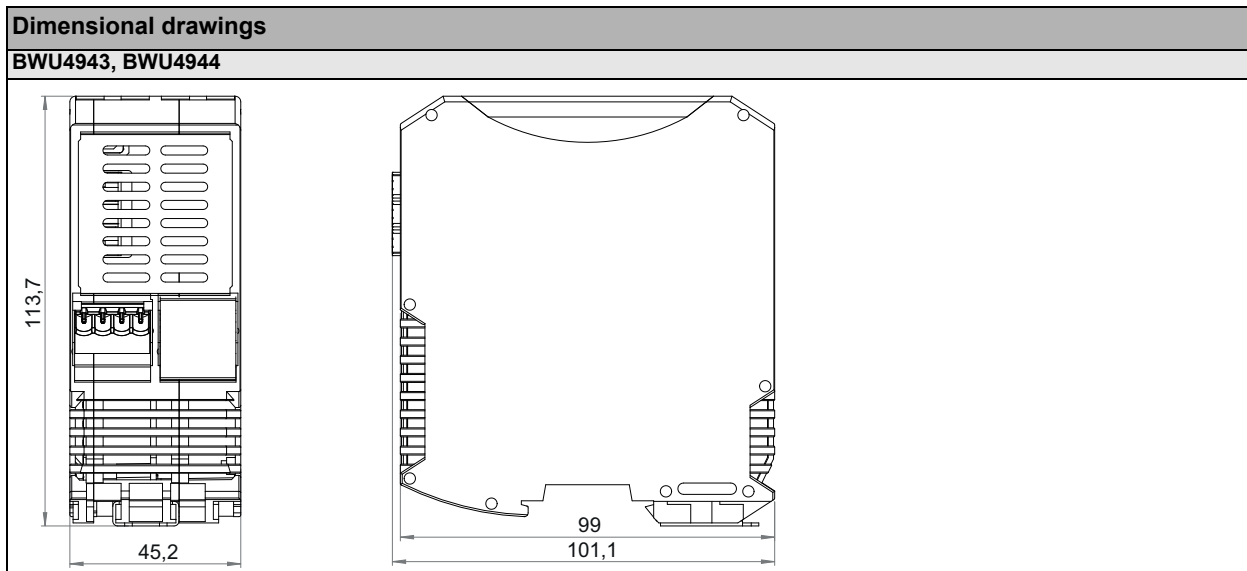
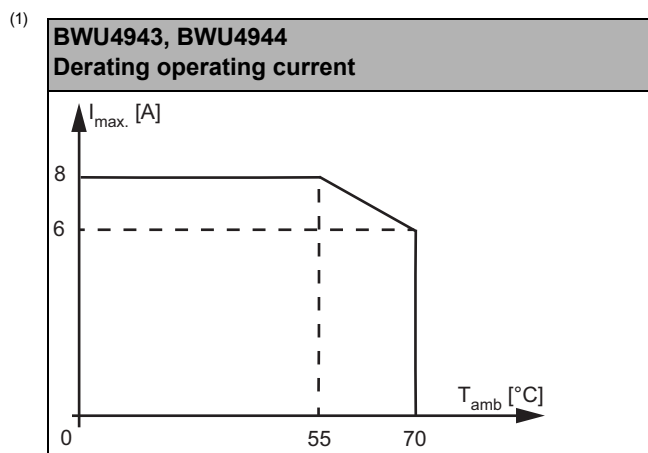
ASi Power Supply Decoupling Unit is short circuit protected.

The ASi Power Supply Decoupling Unit can also be used in combination with a repeater.

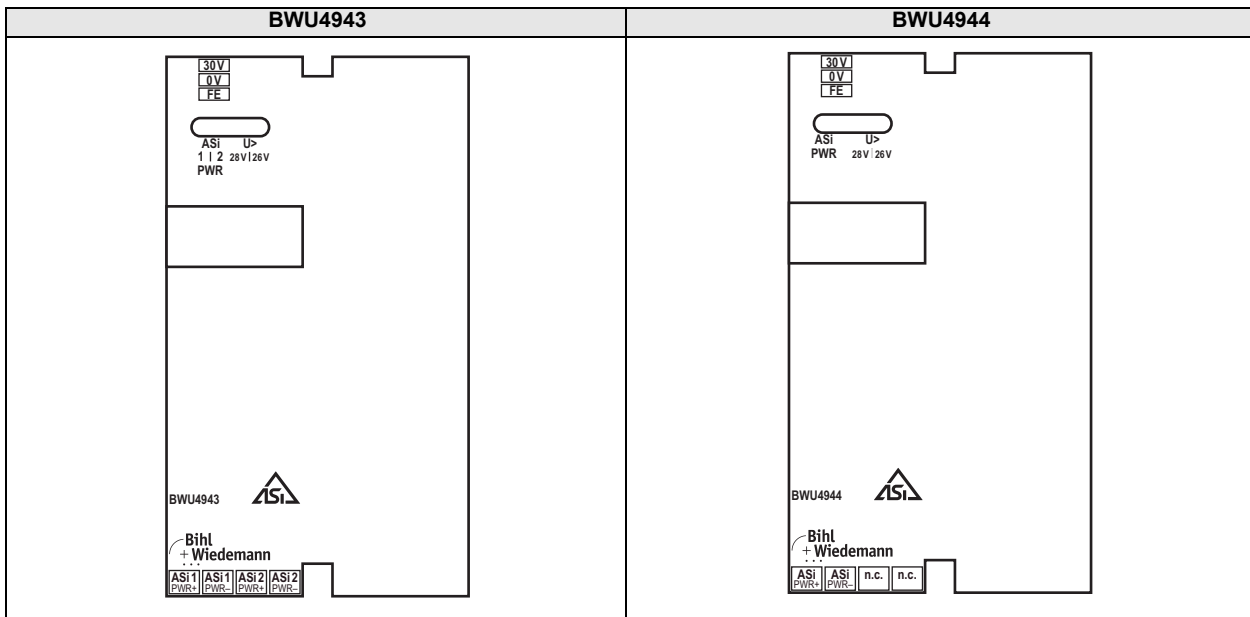
Several ASi Power Supply Decoupling Units can be supplied out of 1 power supply.

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

Article no.	BWU4943		BWU4944
Connections	30 V input voltage ASi output voltage Function earth		
Operating current	up to +55 °C	<8,0 A at 30 V (per output) ⁽¹⁾	
	at +70 °C	<6,0 A at 30 V (per output) ⁽¹⁾	
Operating voltage	30 V _{DC} (PELV)		
Display			
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 >26 (green)	ASi voltage > 26 V		
Environment			
Operating temperature	-30 °C ... +55 °C (up to +70 °C) (no condensation permitted)		
Storage temperature	-25°C ... +85°C		
Housing	for DIN rail mounting		
Protection category	IP20		
EMC	acc. to EN 61000-6-2, EN 61000-6-4		
Voltage of insulation	≥ 500 V		
Weight	244 g		
Dimensions (L, W, H in mm)	45 / 114 / 102		



Push-in terminals, 3 poles (pitch 7.62 mm)	
General	
Nominal cross section	2.5 mm ²
Conductor cross section	
Conductor cross section solid	0.5 ... 1.5 mm ²
Conductor cross section flexible	0.5 ... 2.5 mm ² (with or without plastic sleeve)
AWG	20 ... 12
Stripped insulation length	10 mm



Accessories:

- 30 V Power Supply, 8 A, 1 phase (article no. BW4219)
- 30 V Power Supply, 8 A, 3 phases (article no. BW4220)
- 30 V Power Supply, 16 A, 1 phase (article no. BW4221)
- 30 V Power Supply, 16 A, 3 phase (article no. BW4222)