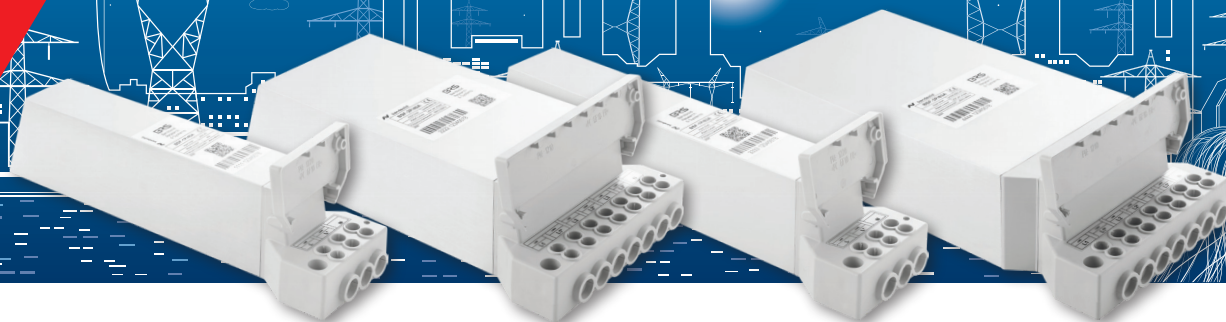




BSF & BSF500

Bandsolid Power line PLC filter

Power line PLC filters BSF are designed to effectively neutralize frequency interference and low impedance damping of PLC signals in power distribution networks. This improves communication with electricity meters using PLC - Power Line Communication technology



BSF-1P/40A

BSF-3P/40A

BSF-1P/63A

BSF-3P/63A

BSF500-1P/40A

BSF500-3P/40A

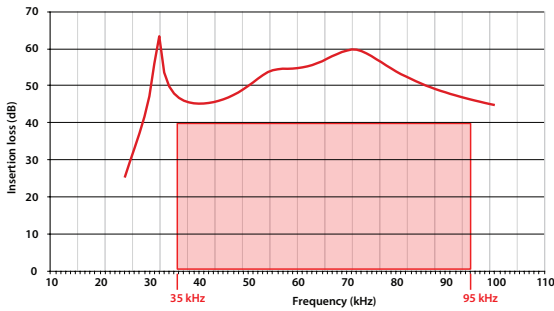
BSF500-1P/63A

BSF500-3P/63A

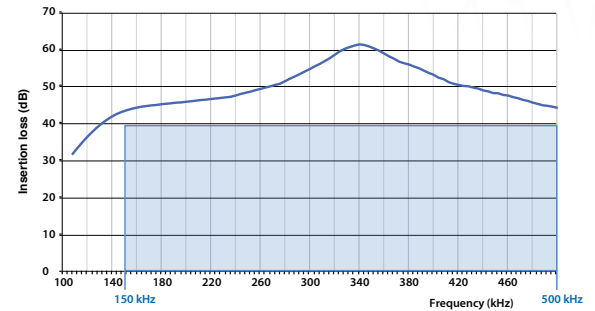
Operating voltage	230 V a.c.	3 x 230/400 V a.c.	230 V a.c.	3 x 230/400 V a.c.
Rated current I_R	40 A	3 x 40 A	63 A	3 x 63 A
Installation	in the meter box, connected behind the main fuse and electricity meter			
Protective device	mandatory use of type gG fuse with a maximum rating of I_R			
Frequency bandwidth	35 kHz - 95kHz (BSF), 150 kHz - 500 kHz (BSF500)			
Type of filter	band-stop, asymmetrical			
Insertion loss	> 40 dB			
Overvoltage category	6 kV category IV			
Overload current	$I_R \times 1,25 @ 4 \text{ h}$, $I_R \times 1,6 @ 1 \text{ h}$			
Voltage drop at 50 Hz	< $1 V_{RMS}$			
Protection against short-circuit	10 kA			
Test voltage (N - housing)	4 kV a.c. @ 10 s			
Power loss (per phase)	8,5 W @ 40 A		15 W @ 63 A	
Temperature range	-40°C to +45°C			
Terminals L, L*, N	for 16 mm ² end-sleeve cable (L, L*, N)		for 25 mm ² end-sleeve cable (L, L*), 16 mm ² (N)	
Dimensions (h x w x l)	60 x 40(67) x 260 mm	60 x 100(127) x 260 mm	60 x 40(67) x 305 mm	60 x 120(127) x 305 mm
Weight	1,4 kg	3,4 kg	1,7 kg	4,7 kg
Compliance	EN 50065-4-1, EN50065-4-2			

Insertion loss frequency response

Power line PLC filters BSF



Power line PLC filters BSF500



Insertion loss is above the required 40dB throughout the entire 35kHz to 95kHz (BSF) and 150kHz to 500kHz (BSF500)

Features

- frequency band within CENELEC A-band from 35kHz to 95kHz (BSF) or FCC band from 150kHz to 500kHz (BSF500)
- double insulation, no special grounding required
- terminal connection housing with dual PZ2 screws for 16/25 mm² insulated cable end-sleeves
- safety cover with sealing screw for possible sealing protection
- a long-lasting customizable label (user logo, tech data, numeric/ bar/QR codes etc.)



dual PZ2 screws



customized label

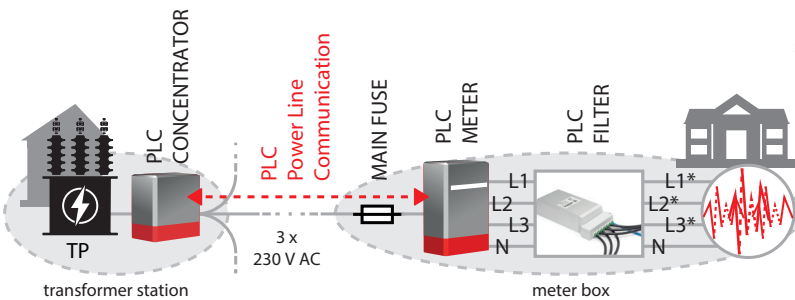


safety cover with sealing protection



PLC meter and PLC filter in meter box

Principle 3P connection scheme



Certificate of Conformity



Regulation and safety compliance

2014/35/EU	Low Voltage Directive (LVD)
EN 50065-4-1	Signalling on low-voltage electrical installations in the frequency range 3 kHz to 148,5 kHz - Part 4-1: Low voltage decoupling filters - Generic specification
EN 50065-4-2	Signalling on low-voltage electrical installations in the frequency range 3 kHz to 148,5 kHz and 1,6 MHz to 30 MHz - Part 4-2: Low voltage decoupling filters - Safety requirements
2011/65/EU	RoHS 2 Directive