

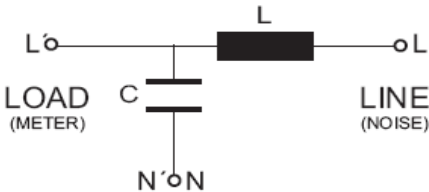



## BF ( PLC BLOCKING FILTERS-SINGLE PHASE)- HIGH CURRENT

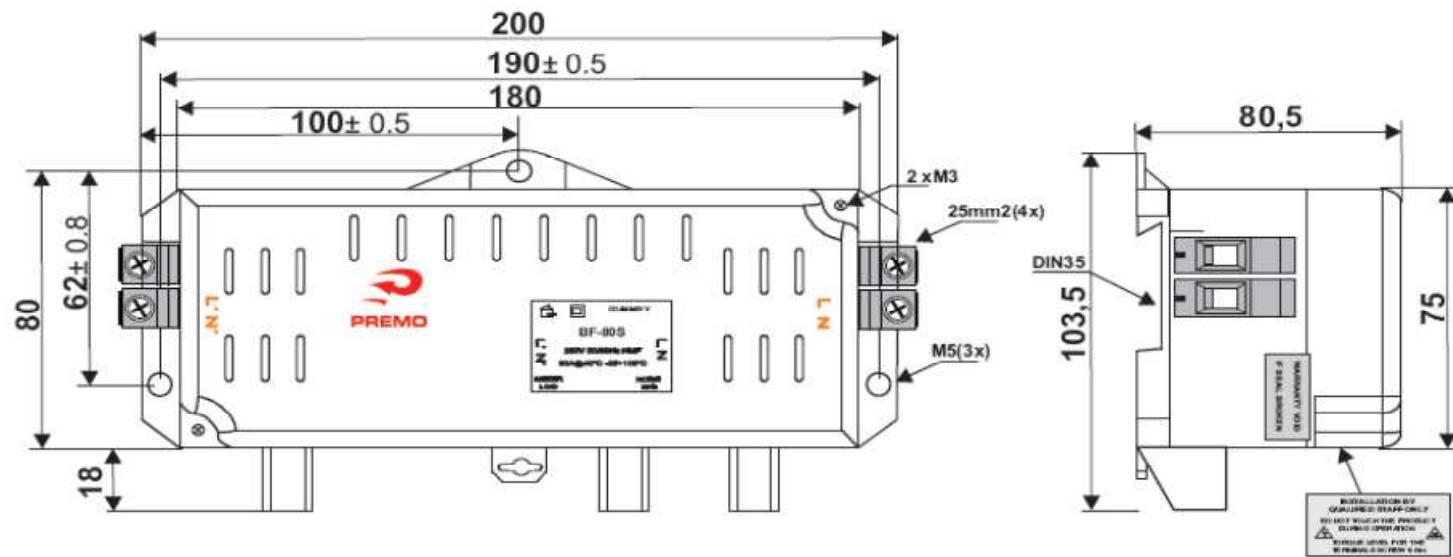
### Features & Application

- Specially designed for Smart meters which comply with PLC G3 , PRIME & CENELEC Band A technology
- Designed to meet according to EN 50065-1 regulations
- xxSP-D2 models Support Smart meters with Re-connection Mechanism.
- Safety terminals with double screws connection for 60 Amps & Standard Safety Terminal blocks for 80Amps
- Good attenuation level without GROUND or PE system

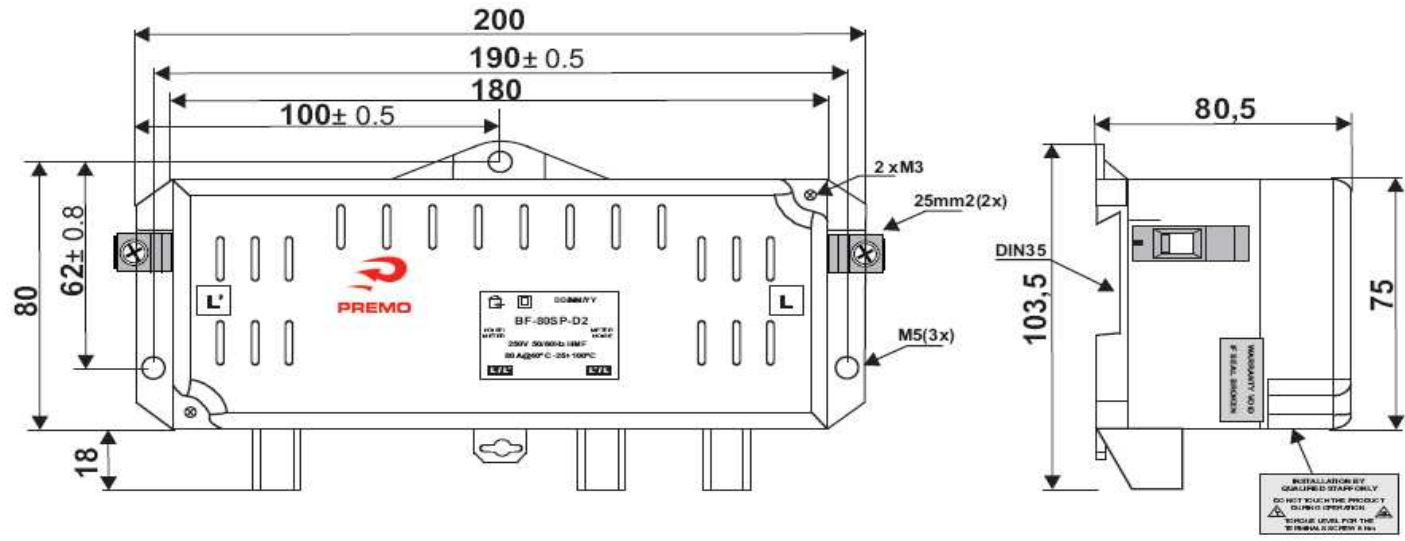
Parameters	Very High performance Type	High performance Type	General Type
<b>Product View</b>			
<b>Equivalent electrical schematic</b>	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  </div> <div style="text-align: center;">  </div> </div> <p style="text-align: right; margin-right: 50px;">For SP-D2</p>		
<b>Operating Voltage (Max)</b>	250Vac (275Vac)	250Vac (275Vac)	250Vac (275Vac)
<b>Operating Frequency</b>	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz
<b>Operating Current at ambient</b>	80A @ 40°C	60A @ 40°C	60A @ 40°C
<b>PREMO Part Number</b>	<b>BF-80S &amp; BF-80SP-D2</b>	<b>BF-60S &amp; BF-60SP-D2</b>	<b>BF-60S &amp; BF-60SP-D2</b>
<b>Operating Temperature Range</b>	(-25°C to +100°C)	(-25°C to +100°C)	(-25°C to +100°C)
<b>Storage Temperature Range</b>	(-25°C to +85°C)	(-25°C to +85°C)	(-25°C to +85°C)

Filter Characteristics (CENELEC Band)	9 to 150KHz (Band A,B,C,D)	9 to 150KHz (Band A,B,C,D)
Attenuation Level ( mainly 35-90Khz)	> 20 dB	> 25 dB
High Surge Protection (Phase-Neu.)	10000 A, 8/ 20µs	10000 A, 8/ 20µs
MTBF at 25°C, 230Vac, 40A (ref.)	Minimum 20 years	Minimum 20 years
Dielectric strength for 60 sec`s	Phase-Housing = 2.5KVac	Phase-Housing = 2.5KVac
	without surge protection	Phase-Neutral = 1.7KVdc
Leakage Current	Nil (no PE insisted)	
Installing in 3 Phase system	Max. Voltage P-P = 480Vac	Max. Voltage P-P = 480Vac
Dimensions in mm	200L x 103W x 80H	180L x 90W x 70H
Weight Approx. In Kg +/-	< 1,4Kg	< 1,3Kg & < 1,7Kg
Ingress Protection	IP 30	IP30
Mounting Style	Din-Rail 35 + Panel	Din-Rail 35 + Panel
Safety Regulation Followed	EMC Directive 2004/108/EC, UL1283, EN60939-2, IEC 60950-1 & RoHS 2011/65/EU	
Suitable for Compliance	EN 50065-1	

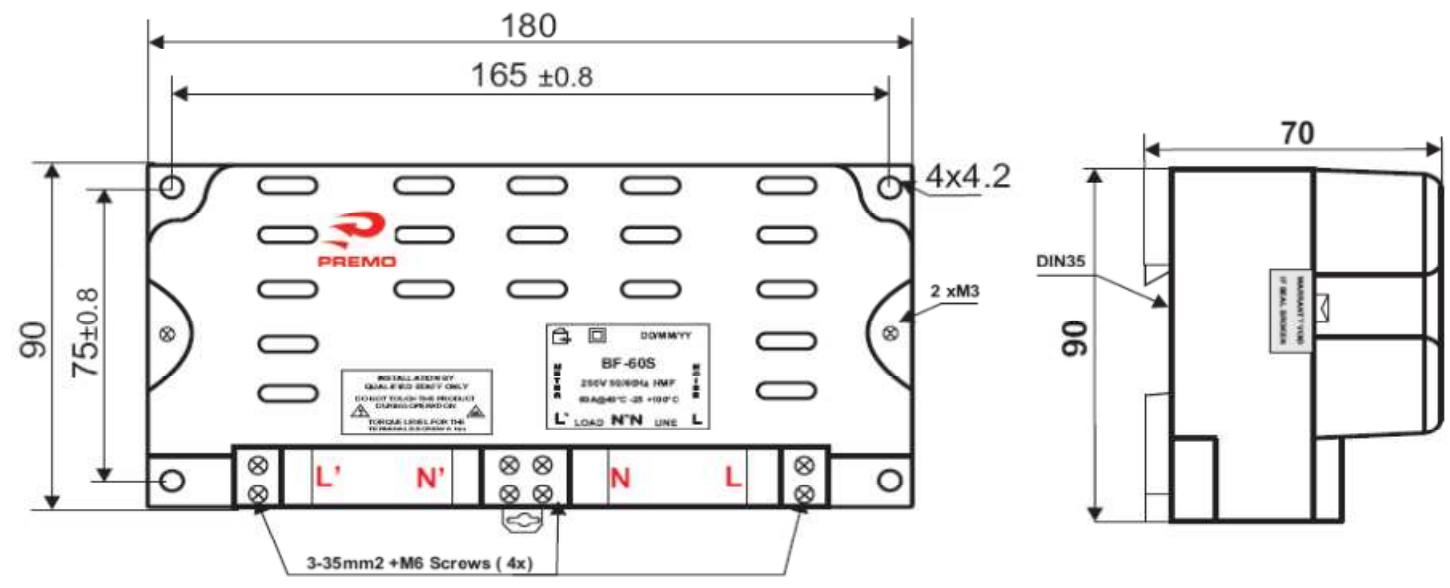
### Detail Dimensions



Used in  
BF-80S



Used in  
BF-80SP-D2



Used in  
BF-60S,  
BF-60SP-D2  
(Without NN')