

# STF

## Three Phase + Neutral Filters for Solar Technology Applications

RFI Power Line Filters

### General Specifications

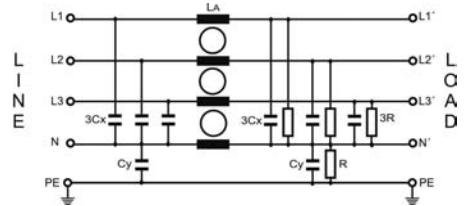
- Maximum operating voltage: 520 Vac
- Operating frequency: DC - 60Hz
- Hipot test voltage:  
L/N→PE: 3000 Vdc 2s  
L→N: 2250 Vdc 2s
- Application class: HMF Acc. TO DIN 40040  
(-25°C/+100°C/95% RH, 30d)
- Flammability class: UL 94 V2



### Three Phase + Neutral Filters

Single stage  
Solar technology applications  
Compact model for saving space  
Low leakage current

### Electrical schematic



### Product List

| Type      | Rated Current (A) @ 50 °c | Leakage Current (mA) | Power Losses (W) | Connection                                     | Weight (Kg) | Housing |
|-----------|---------------------------|----------------------|------------------|--|-------------|---------|
| STF-008HV | 8                         | <1                   | 2,7              | Terminal block<br>4 mm <sup>2</sup> / AWG 10   | 0,8         | 50      |
| STF-016HV | 16                        | <1                   | 6                | Terminal block<br>4 mm <sup>2</sup> / AWG 10   | 0,8         | 50      |
| STF-025HV | 25                        | <1                   | 11,6             | Terminal block<br>10 mm <sup>2</sup> / AWG 6   | 1,3         | 51      |
| STF-036HV | 36                        | <1                   | 14,8             | Terminal block<br>10 mm <sup>2</sup> / AWG 6   | 1,6         | 51      |
| STF-064HV | 64                        | <1                   | 18,4             | Terminal block<br>25 mm <sup>2</sup> / AWG 2   | 2,7         | 52      |
| STF-080HV | 80                        | <1                   | 18,9             | Terminal block<br>50 mm <sup>2</sup> / AWG 0   | 4,1         | 53      |
| STF-120HV | 120                       | <1                   | 28,5             | Terminal block<br>50 mm <sup>2</sup> / AWG 0   | 5,9         | 54      |
| STF-160HV | 160                       | <1                   | 30,7             | Terminal block<br>95 mm <sup>2</sup> / AWG 000 | 7,9         | 55      |
| STF-200HV | 200                       | <1                   | 46,8             | Terminal block<br>95 mm <sup>2</sup> / AWG 000 | 8,5         | 55      |

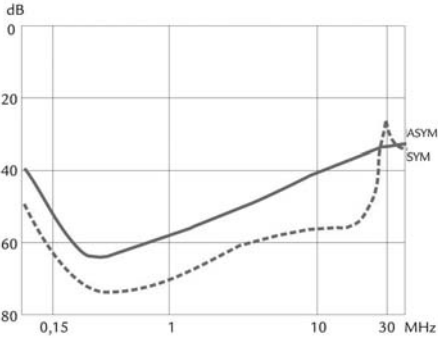
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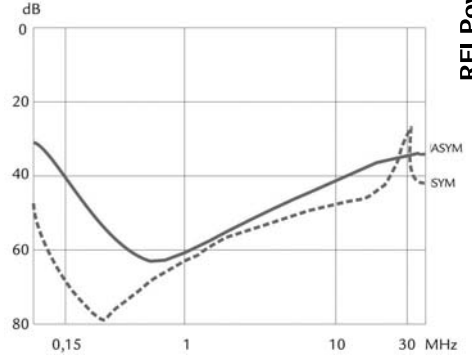
Insertion Loss ——— ASYM  
 - - - - SYM

RFI Power Line Filters

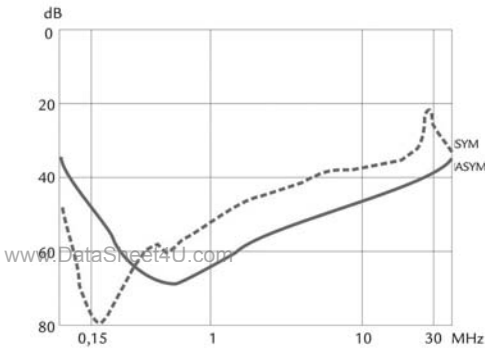
8/36A



64/80



120A



160/200A

