

IEC & Wallplug Single Phase Filters

P-1240-003 (IEC connector), P-1240-001/2 (Wallplug), P-1240-033 (Low Cost Wallplug)



P-1240-001



P-1240-002



P-1240-033

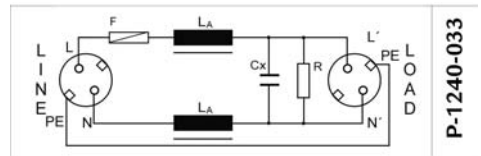
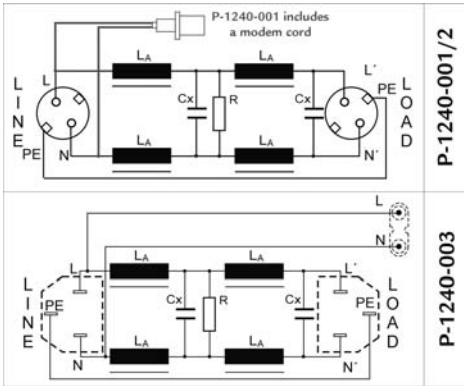
Features

- Removes the interference and noise from noise sources that may reduce PLC networks performance.
- Small size and low cost versions available.

Electrical parameters

| | P-1240-001 | P-1240-002 | P-1240-003 | P-1240-033 |
|-----------------------------------|-------------|------------|------------|------------|
| Rated voltage | 250 V | | | |
| Rated frequency | 50-60 Hz | | | |
| Rated current (at rated temp.) | 10 A @ 40°C | | 7 A @ 40°C | |
| Climatic category (DIN 40040) | HMF | | | |
| Test Line i – Line j | 1700 Vdc | | | |
| voltage Line/Neutral-PE | 1800 Vac | | | |
| La | 7.4 H | | | |
| Cx | 100nF | | 1uF | |
| R | 470K | | | |
| Cable length | 1,5 m | N/A | 1,2 m | N/A |

Electrical diagram

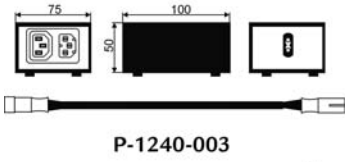


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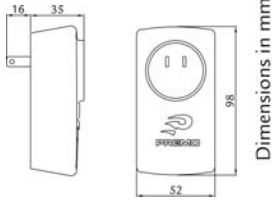
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Electrical diagram

Power Line Communications

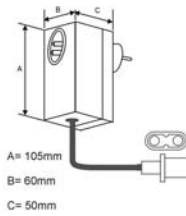


P-1240-003



P-1240-033

Dimensions in mm



P-1240-00
includes
CONNECTOR
IEC60320 C7

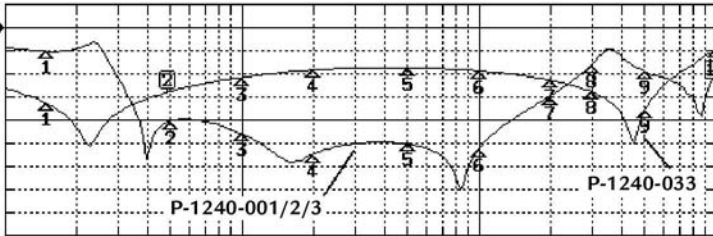
P-1240-001/2



| | | | |
|------------|------------|------------|------------|
| P-1240-001 | P-1240-001 | P-1240-019 | P-1240-018 |
| P-1240-002 | P-1240-002 | P-1240-009 | P-1240-011 |
| P-1240-033 | PENDING | PENDING | PENDING |

Also available in these standardized plugs

Insertion Losses



| Freq. (MHz) | Insertion losses (dB) | |
|-------------|-----------------------|------------|
| | P-1240-001/2/3 | P-1240-033 |
| 1 0.15 | -10.319 | -32.752 |
| 2 0.5 | -40.209 | -27.888 |
| 3 1 | -45.888 | -21.461 |
| 4 2 | -54.628 | -18.282 |
| 5 5 | -50.300 | -17.382 |
| 6 10 | -52.745 | -18.679 |
| 7 20 | -29.419 | -22.810 |
| 8 30 | -15.819 | -27.842 |
| 9 50 | -19.000 | -35.816 |
| 10 100 | -23.790 | -9.390 |