

## High performance inside apparatus mounted filter for industrial applications

General purpose single stage filters with solderable faston connectors at both ends. Very high attenuation of differential mode interference. Current ratings up to 20 A. TFN-C same as TFN but with 22000 pF Y-capacitors. TFNS-20 with screw connectors.

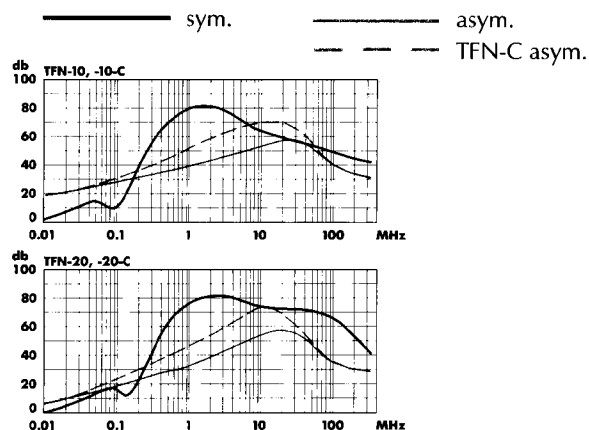
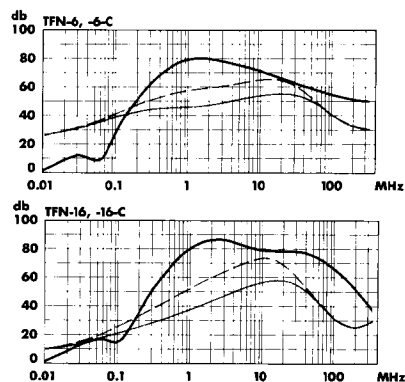
### Electrical specifications

|                       |                                                            |
|-----------------------|------------------------------------------------------------|
| Operating voltage     | 250 V <sub>AC</sub> max. 400 Hz                            |
| Leakage current       | See technical data                                         |
| Rated current         | See technical data (For temperature derating, see page 7). |
| Insulation resistance | Min. 6000 MΩ (100 V <sub>DC</sub> ).                       |
| Test voltage          | P-N 1075 V <sub>DC</sub> 1 min;                            |
| (100% test)           | P,N-E 1500 V <sub>AC</sub> 50 Hz 1 min.                    |
| Temperature range     | -25 ... +85 °C.                                            |
| Climatic category     | IEC 68 25/85/21, DIN 40040 HPF (see page 7).               |

### Approvals:

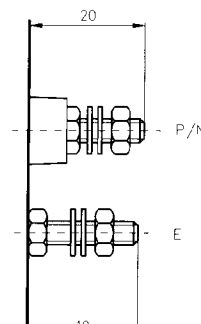
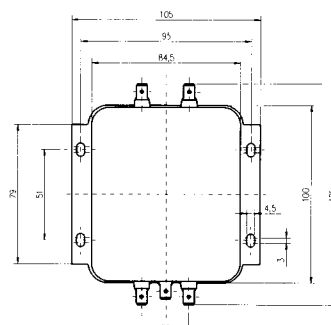
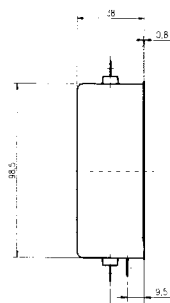
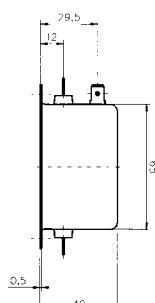
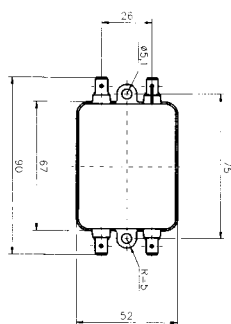


Up to 16A

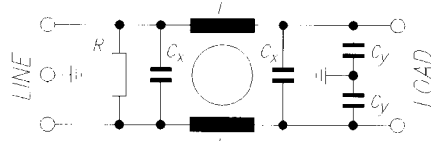


TFN-6, 6-C, 10, 10-C

TFN-16,16-C, 20, 20-C



### TFN



### Technical data

| Type     | Rated current [A] (40°C) | Max. leakage current [mA] (250V 50 Hz) | Output conn.s | L [mH] | C <sub>x</sub> [μF] | C <sub>y</sub> [pF] | R [MΩ] | Weight [g] |
|----------|--------------------------|----------------------------------------|---------------|--------|---------------------|---------------------|--------|------------|
| TFNF-6   | 6                        | 2x0.45                                 | F             | 2x12   | 2x0.47              | 2x4700              | 0.22   | 270        |
| TFNF-6C  | 6                        | 2x2.1                                  | F             | 2x12   | 2x0.47              | 2x22000             | 0.22   | 270        |
| TFNF-10  | 10                       | 2x0.45                                 | F             | 2x5    | 2x0.47              | 2x4700              | 0.22   | 270        |
| TFNF-10C | 10                       | 2x2.1                                  | F             | 2x5    | 2x0.47              | 2x22000             | 0.22   | 270        |
| TFNF-16  | 16                       | 2x0.45                                 | F             | 2x2    | 2x0.47              | 2x4700              | 0.22   | 600        |
| TFNF-16C | 16                       | 2x2.1                                  | F             | 2x2    | 2x0.47              | 2x22000             | 0.22   | 600        |
| TFNS-20  | 20                       | 2x0.45                                 | S             | 2x1    | 2x0.47              | 2x4700              | 0.22   | 600        |
| TFNS-20C | 20                       | 2x2.1                                  | S             | 2x1    | 2x0.47              | 2x22000             | 0.22   | 600        |

Connectors: F = Faston 6.3x0.8, S = Screw M4