

Cylindrical Case Filters

F.NC series

Stud or push fit mount

A range of compact, plastic case suppression filters offering high levels of performance to size ratio.

Ideally suited for consumer goods, domestic appliances, vending machines and business equipment.

- Current ratings from 10A to 16A
- Ten performance variants available
- Compact, low-cost package
- Fast-on terminations
- Push-fit mounting option for instant insertion

Mechanical Specifications

Manufacture: self-extinguishing plastic case UL-94V2;
deck UL-94V0;
plastic fixing studs M8x10;
internal components sealed with UL-94V2
self-extinguishing resin;
washer and nut separately packed.

Connections: 5 faston 6.3 x 0.8mm.

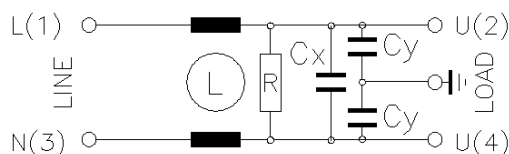
Available options: 2 additional wire leads. 1.5mm² section.
push-fit stud and spring washer

Filter Range

Code	I _R (A)	L (mH)	C _x (μF)	C _y (pF)	I _L (mA)	R (MΩ)	DxH (mm)
F.NC.10.05.154.472.-	10	0.5	0.15	2 x 4700	2 x 0.43	1	40 x 40
F.NC.10.05.154.103.-	10	0.5	0.15	2 x 10000	2 x 0.91	1	40 x 40
F.NC.10.05.474.253.-	10	0.5	0.47	2 x 25000	2 x 2.3	0.68	40 x 40
F.NC.10.05.474.273.-	10	0.5	0.47	2 x 27000	2 x 2.5	0.68	40 x 40
F.NC.16.10.254.273.-	16	1	0.25	2 x 27000	2 x 2.5	1	40 x 50
F.NC.16.10.474.472.-	16	1	0.47	2 x 4700	2 x 0.43	0.68	40 x 50
F.NC.16.10.474.103.-	16	1	0.47	2 x 10000	2 x 0.91	0.68	40 x 50
F.NC.16.10.474.253.-	16	1	0.47	2 x 25000	2 x 2.3	0.68	40 x 50
F.NC.16.10.474.273.-	16	1	0.47	2 x 27000	2 x 2.5	0.68	40 x 50
F.NC.16.10.684.273.-	16	1	0.68	2 x 27000	2 x 2.5	0.47	40 x 50

A = Stud mounting
P = Push-fit mounting

Circuit diagram



Electrical Specifications

Rated voltage (V_R): max 275V, 50/60Hz

Rated current (I_R): referred to room temperature = 40°C

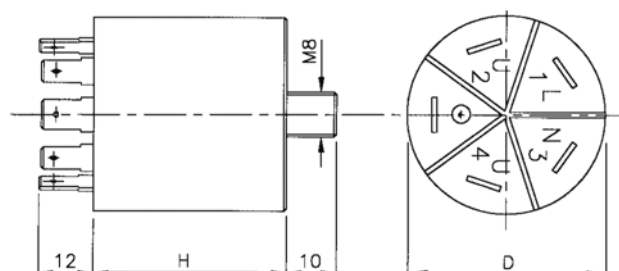
Leakage current (I_L): at 220V, 50Hz, max value

Voltage test (2 s.): line to ground 3000Vdc or 1800Vac
line to line 1700Vdc

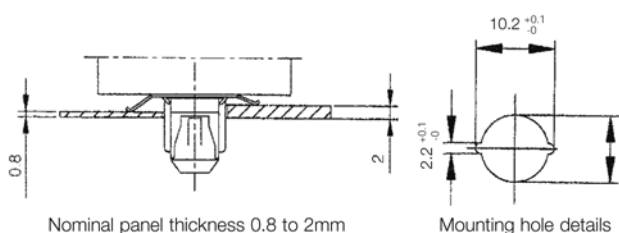
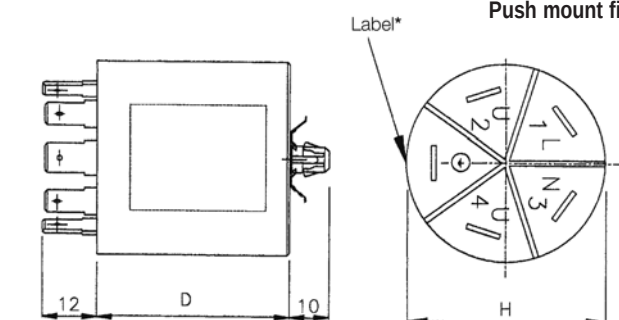
Climatic category: HMF (25/100/21);
Temperature range: -25°C to +100°C

Dimensions (mm) and connections

Stud mount



Push mount fit



*Label in line with earth terminal to indicate mounting orientation

Approvals



Insertion loss (typical): — Asymmetrical (line to ground) - - - Symmetrical (line to line)

