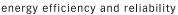


PCB filters FN 405

PCB-mounting filter







- Rated currents from 0.5 to 10A
- Compact PCB-mountable design
- Low profile

Approvals





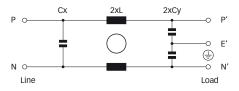




Technical specifications

Maximum continuous operating voltage:	250VAC, 50/60Hz				
Operating frequency:	dc to 400Hz				
Rated currents:	0.5 to 10A @ 40°C max.				
High potential test voltage:	P -> E 2000VAC for 2 sec				
	P -> N 760VAC for 2 sec				
Temperature range (operation and storage):	-25°C to +100°C (25/100/21)				
Design corresponding to:	UL 1283, CSA 22.2 No. 8 1986, IEC/EN 60939				
Flammability corresponding to:	UL 94V-2 or better				
MTBF @ 40°C/230V (Mil-HB-217F):	1,600,000 hours				

Typical electrical schematic



Features and benefits

- based on chokes with high saturation resistance and excellent thermal behavior.
- PCB through hole mounting.
- Low profile.
- Custom specific versions on request.

Typical applications

- Electrical and electronic equipment
- Small to medium-sized machines and household equipment
- Single-phase power supplies, switch-mode power supplies
- Test and measurement equipment

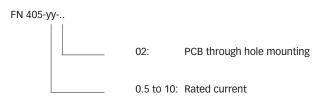
The FN 405 PCB filter is a single-phase filter • Good conducted attenuation performance, designed for easy and fast PCB-mounting. Choosing the FN 405 product line brings you the rapid availability of a standard filter associated with the necessary safety acceptance. Standard PCB single-phase filters are a practical solution helping you to pass EMI system approval in a short time. A selection on amperage ratings are designed to offer you the desired standard product.

Filter selection table

Filter	Rated current	Leakage current*	Inductance	Capa	acitance	Resistance	Input/Output	Weight
	@ 40°C (25°C)	@ 230VAC/50Hz	L	Сх	Су	R	connections	
	[A]	[μΑ]	[mH]	[nF]	[nF]	[kΩ]	\perp	[g]
FN 405-0.5-02	0.5 (0.6)	373	24	15	2.2		-02	40
FN 405-1-02	1 (1.2)	373	10	15	2.2		-02	40
FN 405-3-02	3 (3.6)	373	2	15	2.2		-02	40
FN 405-6-02	6 (6.9)	373	0.8	15	2.2		-02	40
FN 405-10-02	10 (11.5)	373	0.5	15	2.2		-02	40

^{*} Maximum leakage under normal operating conditions. Note: if the neutral line is interrupted, worst case leakage could reach twice this level.

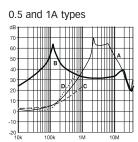
Product selector

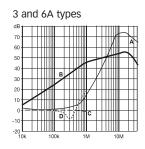


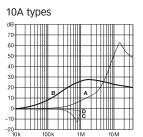
For example: FN 405-0.5-02, FN 405-10-02

Typical filter attenuation

Per CISPR 17; A = $50\Omega/50\Omega$ sym; B = $50\Omega/50\Omega$ asym; C = $0.1\Omega/100\Omega$ sym; D = $100\Omega/0.1\Omega$ sym

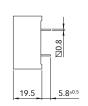






Mechanical data







All dimensions in mm; 1 inch = 25.4mm Tolerances according: ISO 2768-m / EN 22768-m