

Single-phase chassis-mounting filter FN 2310

- Current ratings from 3 to 10A
- High differential and common mode attenuation
- UL-rated materials
- Nennströme von 3 bis 10A
- Hohe Gleich- und Gegentaktdämpfung
- UL konformes Material
- Courants de service de 3 à 10A
- Bonne atténuation en modes différentiel et commun
- Matériaux UL



Filter selection table

Filter	Conn. / Housing		Current ratings @40°C (25°C) [A]	Inductance		Capacitance		Resistance R [MΩ]	Weight [g]
				L [mH]	L1 [μH]	Cx [μF]	Cy [nF]		
FN2310X-3-06	Fast-on	K2	3 (3.35)	36.9	-	0.47	4	1	240
FN2310X-6-06	Fast-on	K2	6 (6.7)	19.3	-	0.47	4	1	250
FN2310X-10-06	Fast-on	P	10 (11.2)	9.6	75	1.5	4	1	470
FN2310H-10-06	Fast-on	P	10 (11.2)	9.6	75	1.5	10	1	470

Approvals



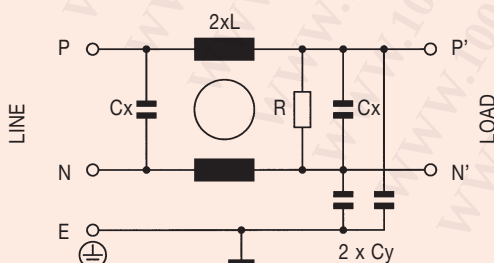
Additional specifications

Filter type	Maximum operating voltage		Operating frequency [Hz]	Hipot test voltage		Maximum leakage @ 230VAC/50Hz [mA]	Temperature range
	[VAC]	[Hz]		PN→E [VAC]	P→N [VDC]		
All types	250	50/60	DC to 60	2000	1100	0.69*	-25°C - +100°C

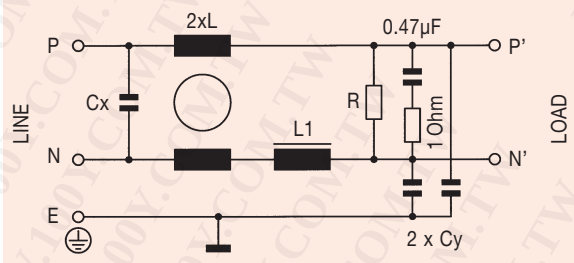
* 1.73mA for FN2310H-10-06

Electrical schematics

FN2310X-3-06 / FN2310X-6-06



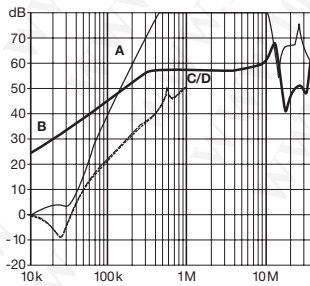
FN2310X-10-06 / FN2310H-10-06



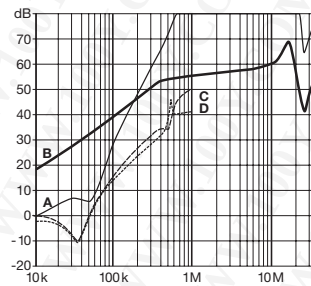
FN 2310 insertion loss

Per CISPR 17; A = 50Ω/50Ω sym, B = 50Ω/50Ω asym, C = 0.1Ω/100Ω sym, D = 100Ω/0.1Ω sym

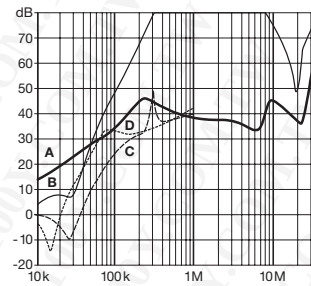
3 amp types



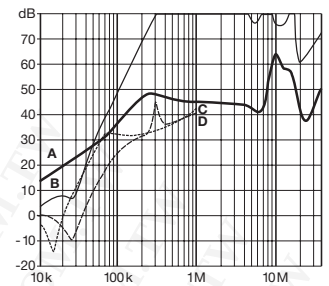
6 amp types



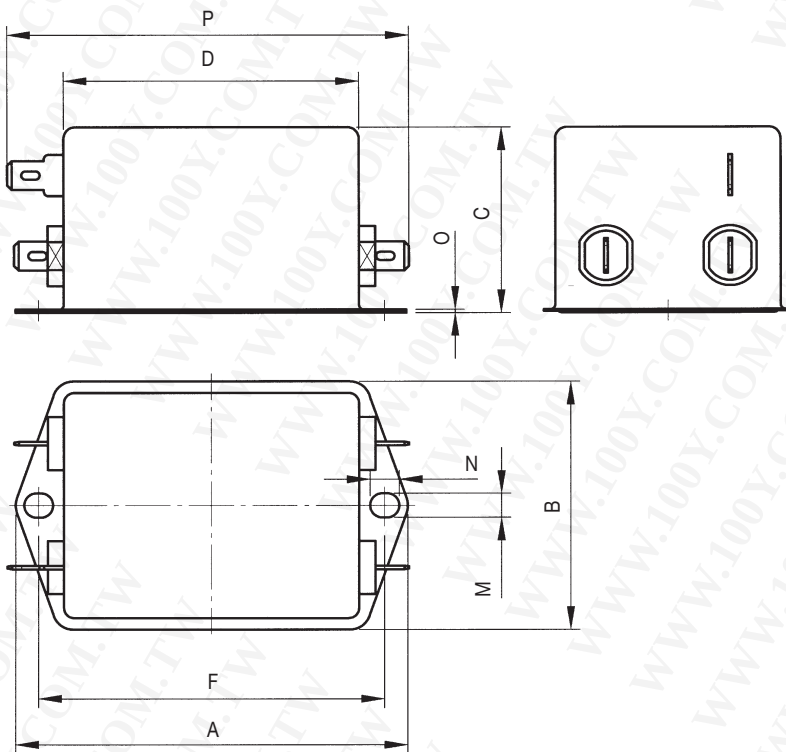
10 amp (X-types)



10 amp (H-types)



Mechanical data



	FN2310X		FN2310H		Tol.*
	3A	6A	10A	10A	[mm]
A	85		113.5 ± 1		± 0.5
B	54		57.5 ± 1		± 0.5
C	40.3		45.5 ± 1.2		± 0.5
D	64		94 ± 1		± 0.5
F	75		103.5		± 0.3
M	5.3		4.4		± 0.1
N	6.3		6		± 0.1
O	0.7		1		± 0.1
P	87		117		± 1

* Measurements share this common tolerance unless otherwise stated.

All dimensions in mm; 1 inch = 25.4mm.