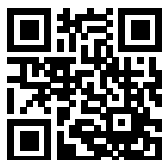


General Performance IEC Inlet Filter



- Rated currents up to 20 A
- Excellent performance/size ratio
- Optional medical versions (B type) according to IEC/EN 60601-1
- Snap-in versions (S and S1 type)
- Hot inlet versions (HI type)
- Optional overvoltage protection (Z type)



Performance indicators

Attenuation performance



Rated current [A]



Approvals & Compliances



(CQC except HI-types)

The FN 9222 IEC inlet filter combines an IEC inlet and mains filter with excellent filter attenuation in a small form factor. Choosing the FN 9222 product line brings you the rapid availability of a standard filter associated with the necessary safety acceptances. Standard IEC connector filters are a practical solution helping you to pass EMI system approval in a short time. A wide selection on amperage ratings, output connections, mounting possibilities and filters for medical applications are designed to offer you the desired solution.

Features and Benefits

- Exceptional conducted attenuation performance, based on chokes with high saturation resistance and excellent thermal behavior
- Rear/front or snap-in mounting
- Wide mounting flanges available
- FN 9222 B versions comply with the requirements of 1MOP acc. to IEC/EN 60601-1 for creepage and clearance, leakage current and high potential testing
- 12 and 15 A types with hot inlet available
- Optional surge pulse protection
- Different output connections offering maximum flexibility for assembly
- Custom-specific versions are available on request

Family Technical Specifications

Maximum continuous operating voltage	250 VAC, 50/60 Hz
Nominal operating voltage	230 VAC
High potential test voltage	P → N 250 VAC for 2 sec (all Z types) P → PE 2000 VAC for 2 sec (standard types) P → PE 2500 VAC for 2 sec (B types) P → N 1000 VAC for 2 sec (1 to 10 A types, not Z types) P → N 1100 VDC for 2 sec (16 and 20 A types, not Z types) P → N 1100 VDC for 2 sec (16 and 20 A types, not Z types)
Rated currents	1 to 20 A @ 50°C
Temperature range (operation and storage)	-25°C to +85°C (25/85/21)
Protection category	IP 40 according to IEC 60529
Flammability corresponding to	Plastic Material: UL 94 V-0 Laces for -07 version: UL 94 VW-1
Approvals by rated current	1 to 10 A (ENEC, CQC) 16 A (ENEC, CQC) for 16 and 20 A types 1 to 20 A (UL, CSA)
Design corresponding to	UL 1283, CSA 22.2 No. 8 1986, IEC/EN 60939 (X to XX A, not Z types)
MTBF (Mil-HB-217F)	≤15 A: >3,040,000 h @ 50°C/230 V ≥16 A: >2,256,000 h @ 50°C/230 V
Operating frequency	DC to 400 Hz

Typical Applications

- Portable electrical and electronic equipment
- Small to medium-sized machines and household equipment
- Single-phase power supplies, switch-mode power supplies
- Test and measurement equipment
- Medical equipment
- Rack mounting equipment

Articles

Article	Rated Current @ambient (A)	Leakage current IEC60939 (A)	Inductance		Capacitance		Resistance (kΩ)	Dist. stock	Read More
			L1		Cx1 (μF)	Cy1 (μF)			
FN9222-10-06	10	0.31	0.225		0.1	2.2			
FN9222-10-07	10	0.31	0.225		0.1	2.2			
FN9222-1-06	1	0.31	12		0.1	2.2			
FN9222-1-07	1	0.31	12		0.1	2.2			
FN9222-12-06	12	0.31	0.11		0.1	2.2			
FN9222-12-06HI	12	0.31	0.11		0.1	2.2			
FN9222-12-07	12	0.31	0.11		0.1	2.2			
FN9222-12-07HI	12	0.31	0.11		0.1	2.2			
FN9222-15-06	15	0.31	0.075		0.1	2.2			
FN9222-15-06HI	15	0.31	0.075		0.1	2.2			
FN9222-15-07	15	0.31	0.075		0.1	2.2			
FN9222-15-07HI	15	0.31	0.075		0.1	2.2			
FN9222-16-06	16	0.37	0.54		0.33	2.2			
FN9222-20-06	20	0.37	0.4		0.33	2.2			
FN9222-3-06	3	0.31	2.5		0.1	2.2			
FN9222-3-07	3	0.31	2.5		0.1	2.2			
FN9222-6-06	6	0.31	0.78		0.1	2.2			
FN9222-6-07	6	0.31	0.78		0.1	2.2			
FN9222-8-06	8	0.31	0.5		0.1	2.2			
FN9222A-8-06	8	0.07	0.5		0.1	2.2			
FN9222B-10-06	10	0	0.225		0.1	2.2	1000		
FN9222B-10-07	10	0	0.225		0.1	2.2	1000		
FN9222B-1-06	1	0	12		0.1	2.2	1000		
FN9222B-1-07	1	0	12		0.1	2.2	1000		
FN9222B-12-06	12	0	0.11		0.1	2.2	1000		

Articles

Article	Rated Current @ambient (A)	Leakage current IEC60939 (A)	Inductance		Capacitance		Resistance (kΩ)	Dist. stock	Read More
			L1		Cx1 (μF)	Cy1 (μF)			
FN9222B-12-06HI	12	0	0.11		0.1	2.2	1000		
FN9222B-12-07	12	0	0.11		0.1	2.2	1000		
FN9222B-12-07HI	12	0	0.11		0.1	2.2	1000		
FN9222B-15-06	15	0	0.075		0.1	2.2	1000		
FN9222B-15-06HI	15	0	0.075		0.1	2.2	1000		
FN9222B-15-07	15	0	0.075		0.1	2.2	1000		
FN9222B-15-07HI	15	0	0.075		0.1	2.2	1000		
FN9222B-3-06	3	0	2.5		0.1	2.2	1000		
FN9222B-3-07	3	0	2.5		0.1	2.2	1000		
FN9222B-6-06	6	0	0.78		0.1	2.2	1000		
FN9222B-6-07	6	0	0.78		0.1	2.2	1000		
FN9222R-10-06	10	0.31	0.225		0.1	2.2	1000		
FN9222R-10-07	10	0.31	0.225		0.1	2.2	1000		
FN9222R-1-06	1	0.31	12		0.1	2.2	1000		
FN9222R-1-07	1	0.31	12		0.1	2.2	1000		
FN9222R-12-06	12	0.31	0.11		0.1	2.2	1000		
FN9222R-12-06HI	12	0.31	0.11		0.1	2.2	1000		
FN9222R-12-07	12	0.31	0.11		0.1	2.2	1000		
FN9222R-12-07HI	12	0.31	0.11		0.1	2.2	1000		
FN9222R-15-06	15	0.31	0.075		0.1	2.2	1000		
FN9222R-15-06HI	15	0.31	0.075		0.1	2.2	1000		
FN9222R-15-07	15	0.31	0.075		0.1	2.2	1000		
FN9222R-15-07HI	15	0.31	0.075		0.1	2.2	1000		
FN9222R-16-06	1	0.31	0.54		0.33	2.2	1000		
FN9222R-20-06	20	0.31	0.4		0.33	2.2	1000		



















































Articles

Article	Rated Current @ambient (A)	Leakage current IEC60939 (A)	Inductance		Capacitance		Resistance (kΩ)	Dist. stock	Read More
			L1		Cx1 (μF)	Cy1 (μF)			
FN9222R-3-06	3	0.31	2.5		0.1	2.2	1000		
FN9222R-3-07	3	0.31	2.5		0.1	2.2	1000		
FN9222R-6-06	6	0.31	0.78		0.1	2.2	1000		
FN9222R-6-07	6	0.31	0.78		0.1	2.2	1000		
FN9222R-8-06	8	0.31	0.11		0.1	2.2	1000		
FN9222RA-20-06	20	0.07	0.54						
FN9222RA-6-06	6	0.07	0.4						
FN9222RB-16-06	16	0	0.54		0.33		1000		
FN9222RB-20-06	20	0	0.4		0.33		1000		
FN9222S-10-06	10	0.31	0.225		0.1	2.2			
FN9222S-10-07	10	0.31	0.225		0.1	2.2			
FN9222S-1-06	1	0.31	12		0.1	2.2			
FN9222S-1-06-20	1	0.31	12		0.1	2.2			
FN9222S-1-07	1	0.31	12		0.1	2.2			
FN9222S1-10-06	1	0.31	0.225		0.1	2.2			
FN9222S1-10-07	10	0.31	0.225		0.1	2.2			
FN9222S1-1-06	1	0.31	12		0.1	2.2			
FN9222S1-1-07	1	0.31	12		0.1	2.2			
FN9222S1-12-06	12	0.31	0.11		0.1	2.2			
FN9222S1-12-07	12	0.31	0.11		0.1	2.2			
FN9222S1-15-06	15	0.31	0.075		0.1	2.2			
FN9222S1-15-07	15	0.31	0.075		0.1	2.2			
FN9222S-12-06	12	0.31	0.11		0.1	2.2			
FN9222S-12-07	12	0.31	0.11		0.1	2.2			
FN9222S1-3-06	3	0.31	2.5		0.1	2.2			





































Articles

Article	Rated Current @ambient (A)	Leakage current IEC60939 (A)	Inductance		Capacitance		Resistance (kΩ)	Dist. stock	Read More
			L1		Cx1 (μF)	Cy1 (μF)			
FN9222S1-3-07	3	0.31	2.5		0.1	2.2			
FN9222S-15-06	15	0.31	0.075		0.1	2.2			
FN9222S-15-07	15	0.31	0.075		0.1	2.2			
FN9222S1-6-06	6	0.31	0.78		0.1	2.2			
FN9222S1-6-07	6	0.31	0.078		0.1	2.2			
FN9222S1-8-06	8	0.31	0.5		0.1	2.2			
FN9222S1B-10-06	10	0	0.225		0.1		1000		
FN9222S1B-10-07	10	0	0.225		0.1		1000		
FN9222S1B-1-06	1	0	12		0.1		1000		
FN9222S1B-1-07	1	0	12		0.1		1000		
FN9222S1B-12-06	12	0	0.11		0.1		1000		
FN9222S1B-12-07	12	0	0.11		0.1		1000		
FN9222S1B-15-06	15	0	0.075		0.1		1000		
FN9222S1B-15-07	15	0	0.075		0.1		1000		
FN9222S1B-3-06	3	0	2.5		0.1		1000		
FN9222S1B-3-07	3	0	2.5		0.1		1000		
FN9222S1B-6-06	6	0	0.78		0.1		1000		
FN9222S1B-6-07	6	0	0.78		0.1		1000		
FN9222S1B-8-06	8	0	0.5		0.1		1000		
FN9222S1R-10-06	10	0.31	0.225		0.1	2.2	1000		
FN9222S1R-10-07	10	0.31	0.225		0.1	2.2	1000		
FN9222S1R-1-06	1	0.31	12		0.1	2.2	1000		
FN9222S1R-1-07	1	0.31	12		0.1	2.2	1000		
FN9222S1R-12-06	12	0.31	0.11		0.1	2.2	1000		
FN9222S1R-12-07	12	0.31	0.11		0.1	2.2	1000		







Articles

Article	Rated Current @ambient (A)	Leakage current IEC60939 (A)	Inductance		Capacitance		Resistance (kΩ)	Dist. stock	Read More
			L1		Cx1 (μF)	Cy1 (μF)			
FN9222S1R-15-06	15	0.31	0.075		0.1	2.2	1000		
FN9222S1R-15-07	15	0.31	0.075		0.1	2.2	1000		
FN9222S1R-3-06	3	0.31	2.5		0.1	2.2	1000		
FN9222S1R-3-07	3	0.31	2.5		0.1	2.2	1000		
FN9222S1R-6-06	6	0.31	0.78		0.1	2.2	1000		
FN9222S1R-6-07	6	0.31	0.78		0.1	2.2	1000		
FN9222S1R-8-06	8	0.31	0.5		0.1	2.2	1000		
FN9222S-3-06	3	0.31	2.5		0.1	2.2			
FN9222S-3-07	3	0.31	2.5		0.1	2.2			
FN9222S-6-06	6	0.31	0.78		0.1	2.2			
FN9222S-6-07	6	0.31	0.78		0.1	2.2			
FN9222S-8-06	8	0.31	0.5		0.1	2.2			
FN9222SB-10-06	10	0	0.225		0.1		1000		
FN9222SB-10-07	10	0	0.225		0.1		1000		
FN9222SB-1-06	1	0	12		0.1		1000		
FN9222SB-1-07	1	0	12		0.1		1000		
FN9222SB-12-06	12	0	0.11		0.1		1000		
FN9222SB-12-07	12	0	0.11		0.1		1000		
FN9222SB-15-06	15	0	0.075		0.1		1000		
FN9222SB-15-07	15	0	0.075		0.1		1000		
FN9222SB-3-06	3	0	2.5		0.1		1000		
FN9222SB-3-07	3	0	2.5		0.1		1000		
FN9222SB-6-06	6	0	0.78		0.1		1000		
FN9222SB-6-07	6	0	0.78		0.1		1000		
FN9222SR-10-06	10	0.31	0.225		0.1	2.2	1000		

Articles

Article	Rated Current @ambient (A)	Leakage current IEC60939 (A)	Inductance		Capacitance		Resistance (kΩ)	Dist. stock	Read More
			L1		Cx1 (μF)	Cy1 (μF)			
FN9222SR-10-07	10	0.31	0.225		0.1	2.2	1000		
FN9222SR-1-06	1	0.31	12		0.1	2.2	1000		
FN9222SR-1-07	1	0.31	12		0.1	2.2	1000		
FN9222SR-12-06	12	0.31	0.11		0.1	2.2	1000		
FN9222SR-12-07	12	0.31	0.11		0.1	2.2	1000		
FN9222SR-15-06	15	0.31	0.075		0.1	2.2	1000		
FN9222SR-15-07	15	0.31	0.075		0.1	2.2	1000		
FN9222SR-3-06	3	0.31	2.5		0.1	2.2	1000		
FN9222SR-3-07	3	0.31	2.5		0.1	2.2	1000		
FN9222SR-6-06	6	0.31	0.78		0.1	2.2	1000		
FN9222SR-6-07	6	0.31	0.78		0.1	2.2	1000		
FN9222SR-8-06	8	0.31	0.5		0.1	2.2	1000		
FN9222U-10-06	10	0.31	0.225		0.1	2.2			
FN9222U-1-06	1	0.31	12		0.1	2.2			
FN9222U-12-06	12	0.31	0.11		0.1	2.2			
FN9222U-15-06	15	0.31	0.075		0.1	2.2			
FN9222U-3-06	3	0.31	2.5		0.1	2.2			
FN9222U-6-06	6	0.31	0.78		0.1	2.2			
FN9222U-8-06	8	0.31	0.5		0.1	2.2			
FN9222UB-15-06	15	0	0.075		0.1		1000		
FN9222UB-3-06	3	0	2.5		0.1		1000		
FN9222UZ-10-06	10	0.31	0.225		0.1	2.2			
FN9222UZ-1-06	1	0.31	12		0.1	2.2			
FN9222UZ-12-06	12	0.31	0.11		0.1	2.2			
FN9222UZ-15-06	15	0.31	0.075		0.1	2.2			

Articles

Article	Rated Current @ambient (A)	Leakage current IEC60939 (A)	Inductance	Capacitance		Resistance (kΩ)	Dist. stock	Read More
			L1	Cx1 (μF)	Cy1 (μF)			
FN9222UZ-3-06	3	0.31	2.5	0.1	2.2			
FN9222UZ-6-06	6	0.31	0.78	0.1	2.2			
FN9222UZ-8-06	8	0.31	0.5	0.1	2.2			

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