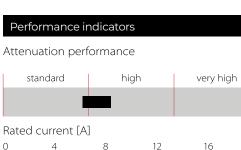
General Purpose Power Entry Module with Fuses



Rated currents up to 10 A	

- Integrated single/dual fuse holder
- Optional reduced leakage current versions (A/B type)
- Complies with IEC/EN 60601-1
- Snap-in versions (S type)
- Good attenuation performance
- NEW: Wire leads option





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Technical Specifications

Maximum continuous operating voltage	250 VAC, 50/60 Hz
Operating frequency	DC to 400 Hz
Rated currents	1 to 10 A @ 40°C max
High potential test voltage	P -> PE 2000 VAC for 2 sec (standard types) P -> PE 2500 VAC for 2 sec (B types) P -> N 760 VAC for 2 sec
Protection category	IP 40 according to IEC 60529
Temperature range (operation and storage)	-25°C to +85°C (25/85/21)
Design corresponding to	UL 60939-3, CSA Std C22.2 No. 8-13, IEC/EN 60939-3, GB/T15287, GB/T15288
Flammability corresponding to	Inlet plastic: UL 94 V-0 Fuseholder plastic: UL 94 V-0
MTBF @ 40°C/230 V (Mil-HB-217F)	2,200,000 hours
Fuse holder	1 or 2 fuses (Ø5 x 20 mm) (certified to IEC 60127-6), power acceptance 1.6W @ Ta 23°C per pole for 2 fuses. 2.5W, if only 1 pole is used.

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Approvals & Compliances



The FN9260 power entry module combines an IEC inlet. mains filter with excellent filter attenuation and fuses in a small form factor. Choosing FN9260 product line brings you 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

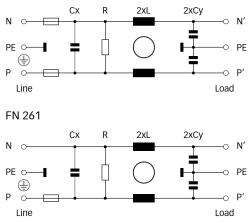
- Exceptional conducted attenuation performance, based on chokes with high saturation resistance and excellent thermal behavior
- FN9260 B versions comply with the requirements of 1MOP acc. to IEC/EN 60601-1 for creepage and clearance, leakage current and high potential testing
- Versions up to 10 A are available with fuse holder for one or two fuses
- Custom-specific versions are available on request

Typical Applications

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

Typical electrical schematic

FN 9260 (B types without Y-capacitors)



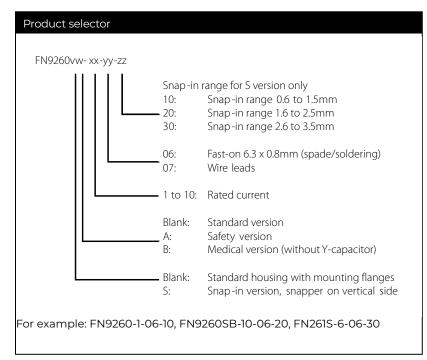
Filter Selection Table

	D	Deterd summers		I	6	••	D		Output	F ***	W-1-1-4
Filter	Buy	Rated current @ 40°C (25°C)	Leakage current* @ 250 VAC/50 Hz	Inductance** L	Capac Cx	itance** Cy	Resistance** R	conne	ections	Fuses***	Weight
		c (,	(@ 120 VAC/60 Hz)	_		-,					
								Π	Ļ		
		[A]	[mA]	[mH]	[μF]	[nF]	[kΩ]			[Qty]	[g]
FN9260v-1-yy-zz	٧	1 (1.2)	0.31 (0.18)	5.3	0.1	2.2	1000	-06	-07	2	55
FN9260v-2-yy-zz	٧	2 (2.3)	0.31 (0.18)	2.7	0.1	2.2	1000	-06	-07	2	55
FN9260v-4-yy-zz	٧	4 (4.6)	0.31 (0.18)	1.0	0.1	2.2	1000	-06	-07	2	55
FN9260v-6-yy-zz	¥	6 (6.9)	0.31 (0.18)	0.3	0.1	2.2	1000	-06	-07	2	55
FN9260v-10-yy-zz	٧	10 (11.5)	0.31 (0.18)	0.2	0.1	2.2	1000	-06	-07	2	55
FN9260vA1-1-yy-zz	٧	1 (1.2)	0.03 (0.02)	5.3	0.1	0.22	1000	-06	-07	2	55
FN9260vA-2-yy-zz	¥	2 (2.3)	0.07 (0.04)	2.7	0.1	0.47	1000	-06	-07	2	55
FN9260vA-4-yy-zz	٧	4 (4.6)	0.07 (0.04)	1.0	0.1	0.47	1000	-06	-07	2	55
FN9260vA-6-yy-zz	¥	6 (6.9)	0.07 (0.04)	0.3	0.1	0.47	1000	-06	-07	2	55
FN9260vA-10-yy-zz	٧	10 (11.5)	0.07 (0.04)	0.2	0.1	0.47	1000	-06	-07	2	55
FN9260vB-1-yy-zz	٧	1 (1.2)	0.00	5.3	0.1		1000	-06	-07	2	55
FN9260vB-2-yy-zz	٧	2 (2.3)	0.00	2.7	0.1		1000	-06	-07	2	55
FN9260vB-4-yy-zz	٧	4 (4.6)	0.00	1.0	0.1		1000	-06	-07	2	55
FN9260vB-6-yy-zz	¥	6 (6.9)	0.00	0.3	0.1		1000	-06	-07	2	55
FN9260vB-10-yy-zz	٧	10 (11.5)	0.00	0.2	0.1		1000	-06	-07	2	55
FN261v-1-06-zz	٧	1 (1.2)	0.31 (0.18)	5.3	0.1	2.2	1000	-06		1	55
FN261v-2-06-zz	¥	2 (2.3)	0.31 (0.18)	2.7	0.1	2.2	1000	-06		1	55
FN261v-4-06-zz	¥	4 (4.6)	0.31 (0.18)	1.0	0.1	2.2	1000	-06		1	55
FN261v-6-06-zz	¥	6 (6.9)	0.31 (0.18)	0.3	0.1	2.2	1000	-06		1	55
FN261v-10-06-zz	٧	10 (11.5)	0.31 (0.18)	0.2	0.1	2.2	1000	-06		1	55

* Leakage current under normal operating conditions (acc. to IEC60939-3). Note: if the neutral line is interrupted, worst case leakage could reach twice this level.

** Tolerances apply: Inductance: -30/+50%, Capacitance: ±20%, Resistance: ±10%

*** Fuses are not included in the filter and need to be selected according to application



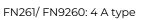
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Typical Filter Attenuation

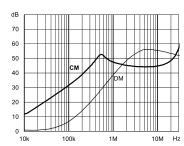
Per CISPR 17; DM (differential mode)=50 Ω /50 Ω sym; CM (common mode)=50 Ω /50 Ω asym

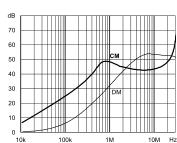
FN261/ FN9260:1 A type

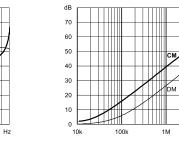
FN261/ FN9260: 2 A type

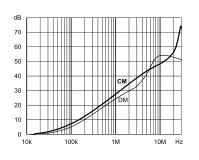


FN261/ FN9260: 6 and 10 A types

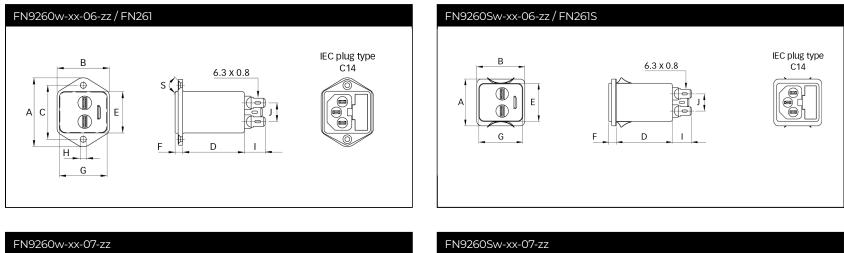


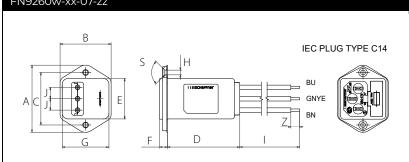


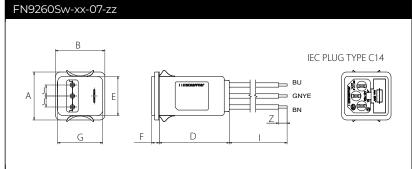




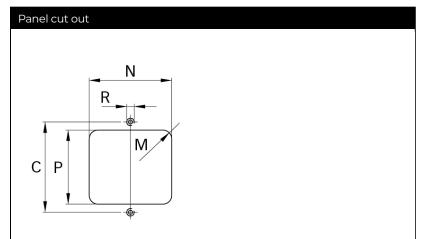
Mechanical Data

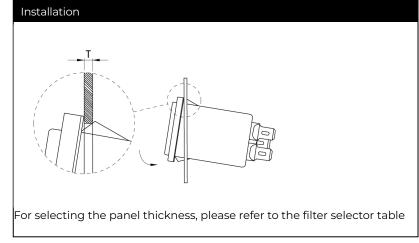






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Accessories

IL 13P IEC C13 Rewireable Connectors with Locking System



The locking system has a tensile force of typical 300N. It is recommended to use it with flange mount filters. For details refer to our Application Note "Using IEC Lock Power Cords with IEC Inlets and Filters".

Schaffner power connector with IEC lock guard against accidental disconnection of all electrical appliances with an IEC inlet. No exchange or modification of the IEC inlet or IEC inlet filter system is needed. Easy retrofit .for all electronic equipments and devices

Technical Data Sheet >

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IL 13P IEC C13 Rewireable Angled Connectors with Locking System



Power Cord with angled Locking System C13



- Protects appliances that are vulnerable to vibration
- Connector cannot be accidentally pulled or vibrated out of the inlet
- Space availability/constraints
- Different angles for ease of access
- Space saving
- Release locking mechanism
- Prevents accidental disconnection

Technical Data Sheet >