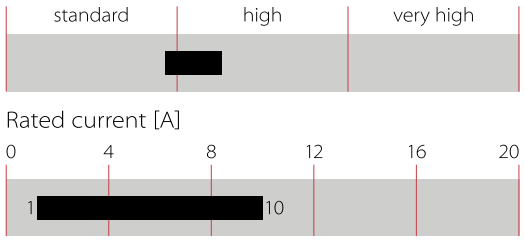
General Purpose Power Entry Module with Switch

- Rated currents up to 10 A
- High quality 2-pole rocker switch
- Optional reduced leakage current versions (A/B type)
- Complies with IEC/EN 60601-1
- Snap-in versions (S type)
- Good attenuation performance

Performance indicators

Attenuation performance



Rated current [A]

Approvals & Compliances

Features and Benefits

- Excellent conducted attenuation performance, based on chokes with high saturation resistance and good thermal behavior
- High quality 2-pole rocker switch for all-pole disconnection
- Faston terminals for easy assembly
- FN 9264 B versions comply with the requirements of 1MOP acc. to IEC/EN 60601-1 for creepage and clearance, leakage current and high potential testing
- As flange mount and snap-in types available

Typical Applications

- Portable electrical and electronic equipment
- EDP and office equipment
- Single-phase power supplies
- Switch-mode power supplies
- Test and measurement equipment
- Medical electrical devices (MD) and In-Vitro Diagnostic (IVD) medical devices

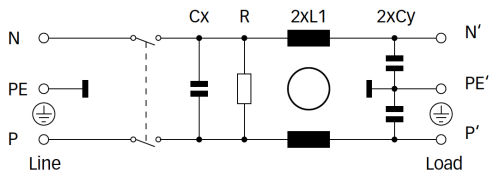
Technical Specifications

Maximum continuous operating voltage	250 VAC, 50/60 Hz
Nominal operating voltage	230 VAC
Rated currents	1 to 10 A @ 40°C
Operating frequency	DC to 400 Hz
High potential test voltage	P –> PE 2000 VAC for 2 sec (Standard) P –> PE 2500 VAC for 2 sec (B-types) P –> N 760 VAC for 2 sec
Temperature range (operation and storage)	-25°C to +85°C (25/85/21) -25°C to +85°C (25/85/21)
Protection category	IP 40 according to IEC 60529
Flammability corresponding to	UL 94 V-2 or better
Design corresponding to	UL 60939-3, CSA Std C22.2 No. 8, IEC/EN 60939-3, GB/T15287, GB/T15288
MTBF (Mil-HB-217F)	>616,000 h @ 40°C/230 V
Switch ratings	
Function	2-pole, dark not illuminated Marking I – 0
Electrical specifications	Inrush current 100 A 50,000 on-off operations for 10 A according to EN 610581-1
Europe (ENEC)	10 A (4 A), 250 VAC* 5E4
USA (UL)	20 A, 125 VAC 1 HP 250 VAC 2 HP

* Value in () relates to the inductive current charge: cos(phi) = 0.65

Typical electrical schematic

Standard types and B types



Filter Selection Table

Filter	Rated current @ 40°C (25°C)	Leakage current* @ 250 VAC/50 Hz (@120 VAC/60Hz)	Inductance**	Capacitance**		Resistance**	Output connections	Weight
			L	Cx	Cy	R		
	[A]	[mA]	[mH]	[µF]	[nF]	[kΩ]		[g]
FN 9264xx-1-06-y	1 (1.2)	0.31 (0.18)	5.15	0.1	2.2	1000	-06	55
FN 9264xx-2-06-y	2 (2.3)	0.31 (0.18)	2.7	0.1	2.2	1000	-06	55
FN 9264xx-3-06-y	3 (3.6)	0.31 (0.18)	2		2.2	1000	-06	55
FN 9264xx-4-06-y	4 (4.6)	0.31 (0.18)	1	0.1	2.2	1000	-06	55
FN 9264xx-6-06-y	6 (6.9)	0.31 (0.18)	0.3	0.1	2.2	1000	-06	55
FN 9264xx-10-06-y	10 (11.5)	0.31 (0.18)	0.21	0.1	2.2	1000	-06	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%

Product selector

FN 9264xx-yy-yy-y

Snap-in range for S version only
- Blank: Snap-in panel thickness range 1.0 to 2.5 mm
- 30: Snap-in panel thickness range >2.5 to 3.5 mm

06: Faston 6.3 x 0.8mm (spade/soldering)

1 to 10: Rated current

Blank: Standard version
B: Medical version (without Y2-capacitor, leakage current max 2µA*)

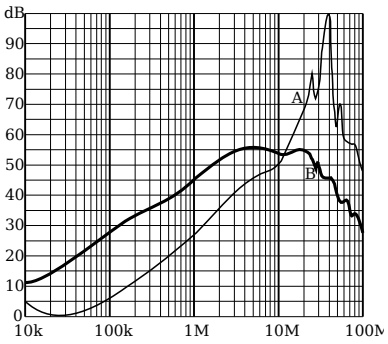
Blank: Standard housing with mounting flanges
S: Snap-in version, snappper on vertical side

For example: FN 9264-1-06, FN 9264 B-6-06, FN 9264 SB-4-06-30

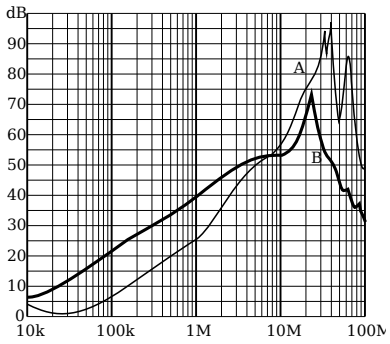
Typical Filter Attenuation

Per CISPR 17; A=50 Ω/50 Ω sym; B=50 Ω/50 Ω asym

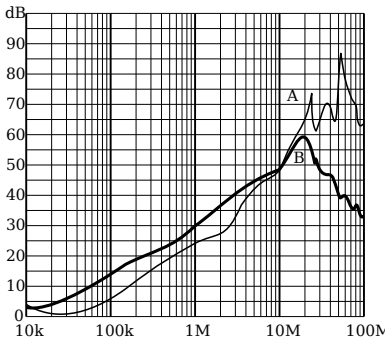
1 A Standard types



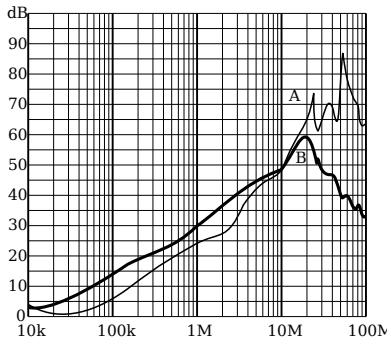
2 A Standard types



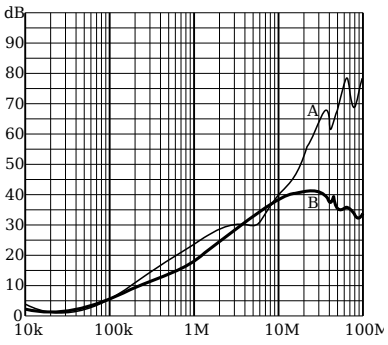
3 A Standard types



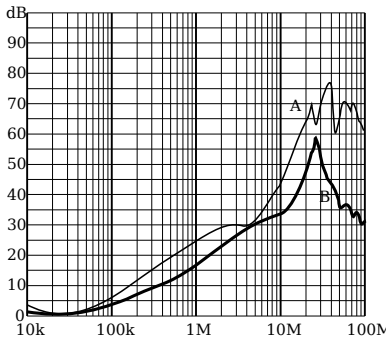
4 A types



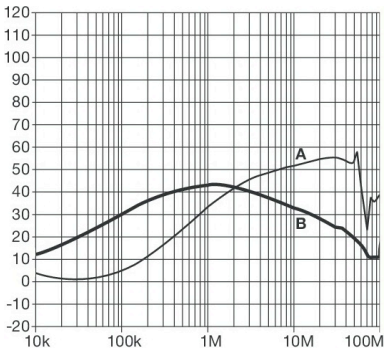
6 A Standard types



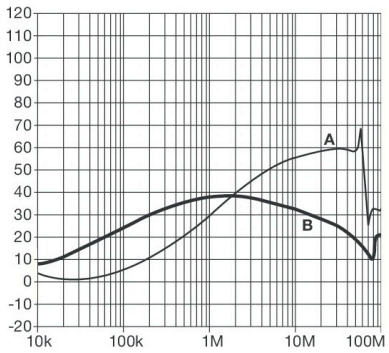
10 A Standard types



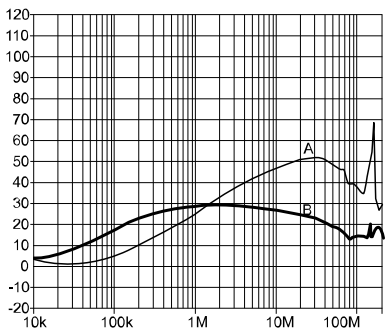
1 A B-types



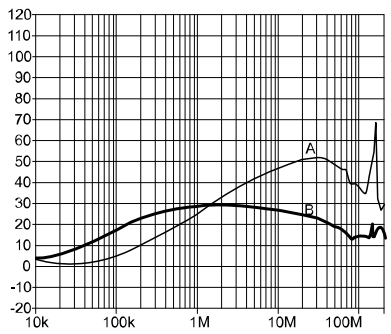
10 A Standard types



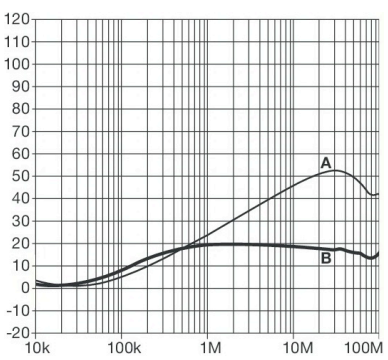
3 A B-types



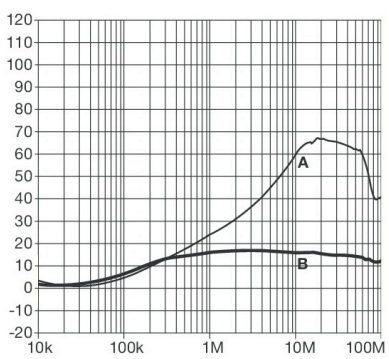
4 B types



6 A B-types

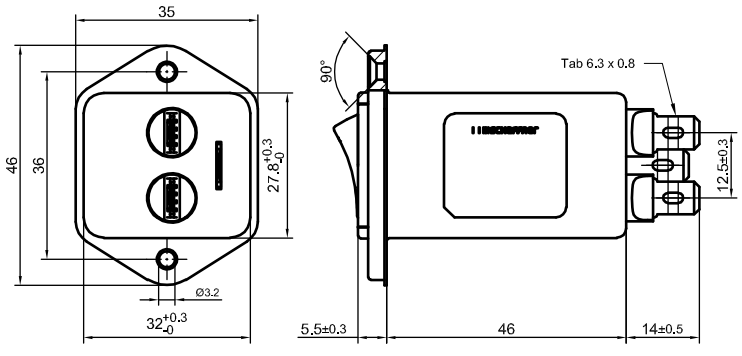


10 A B-types

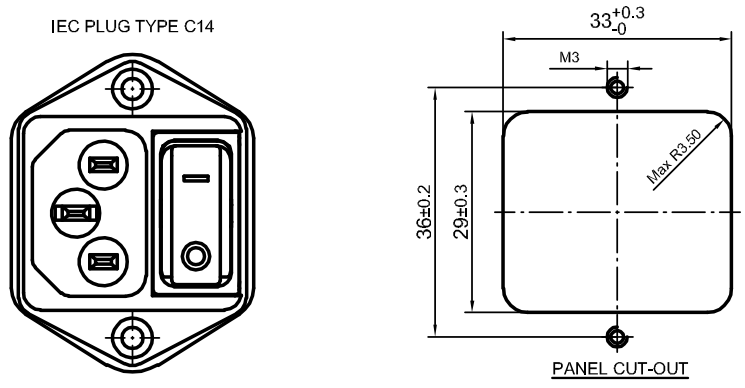


Mechanical Data

FN 9264

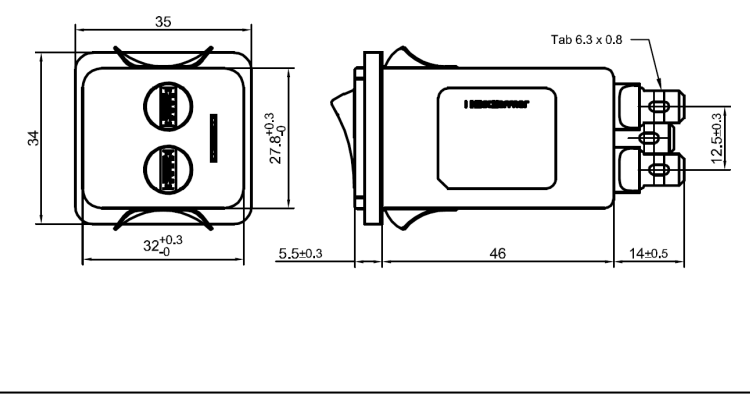


Panel cut out*

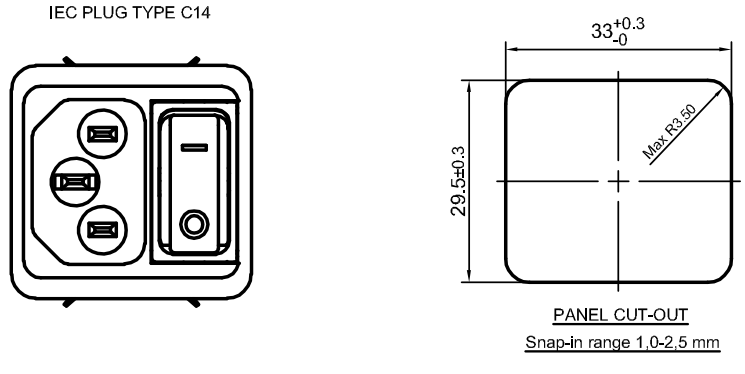


**Recommended torque for M3 (90° countersunk flat head) is 0.5 Nm

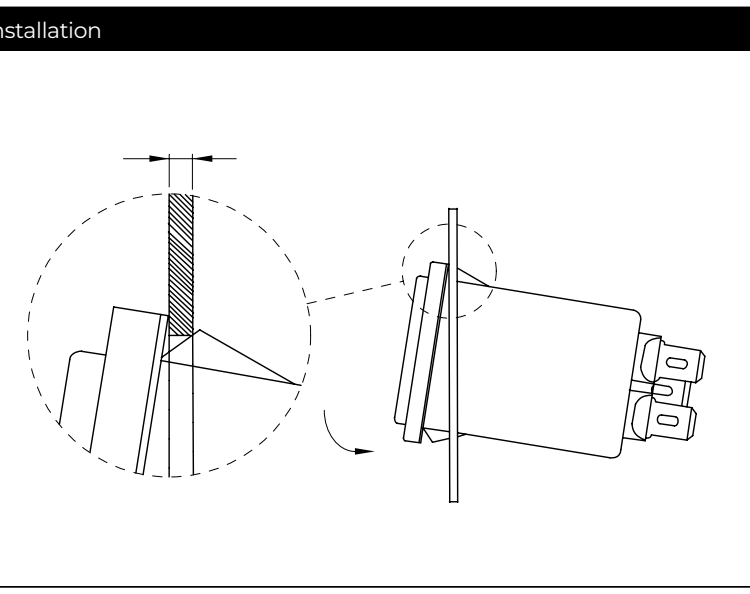
FN 9264 S



Panel cut out

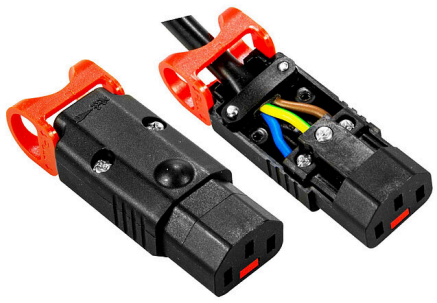


Installation



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 >

IL 13P IEC C13 Rewireable Angled Connectors with Locking System

- 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 >

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 >

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