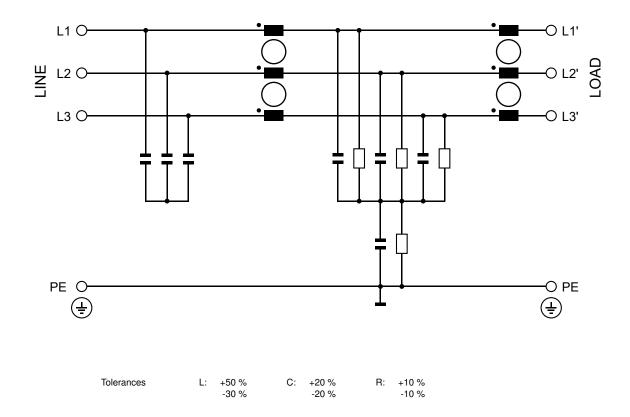


EMI filter for power electronics and converters





Designation:	FS43957-11-07-LL
Part Number:	823451
Customer's Designation:	AX-FIC4011-SE-LL

Document Number:	1077133	E
Created:	LUTSNO	2023-11-03
Checked:	LUTFVA	2023-11-07
Released:	LUTLUR	2023-11-07

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Revision History

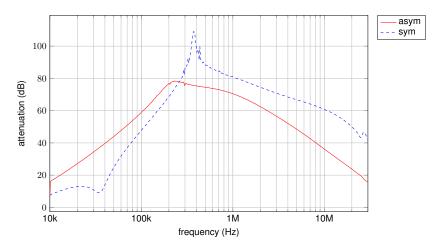
Е	2023-11-07	LUTLUR	Approval Logo update	(Change Number: 20009922)
D	2023-10-20	LUTLUR	Drive Standards added	(Change Number: 20009831)
С	2023-10-05	LUTLUR	Update to 61800-5-1 requirements	(Change Number: 20009733)
В	2023-02-02	LUTLUR	Label update	(Change Number: 20009375)
А	2023-01-24	LUTLUR	initial version	

Electrical

Rated Current (I _{th}):	11.3 A	@ 40 °C amb. Temperature
Rated Current (I _{th1}):	10.3 A	@ 50 °C amb. Temperature
Nominal Operating Voltage:	480 +/- 10%	VAC
Rated Operating Voltage:	520/300 VAC	;
Max. Operating Frequency:	60 Hz	
Leakage Current (IEC 60939-3):	1.20 mA	@ Rated Voltage and 50 Hz
Production Line Test Voltage:	2.25 kVDC*	for 2 s (L to PE)
	2.25 kVDC*	for 2 s (L to L)
	(* Repetition with r	nax. 80 % of the specified values)
Overvoltage Category (IEC 60664-1):		
Max. DC Resistance @ 25 °C:	24.4 mOhm	L - Ľ

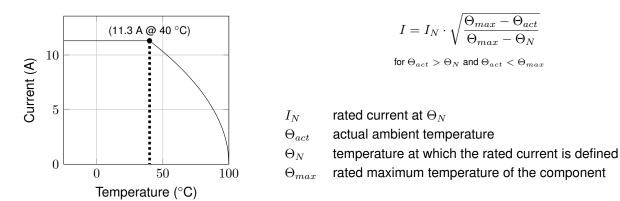
Typical Insertion Loss

Per CISPR 17 (50 Ω / 50 $\Omega)$





Current Derating



Environmental & Reliability

Operating Ambient Temp. Range:	-25 °C to 100 °C
Cooling:	AN
Pollution Degree (IEC 60664-1):	3
Climatic Class (IEC 60068-1):	25/100/21

Standards, Certifications and Compliances

Design Standard	Certification	ı
UL 60939-3		
IEC 60939-3		
UL 61800-5-1		
IEC 61800-5-1		
CSA C22.2 NO. 274	E343171	520/300V
UL 61800-5-1	E343171	520/300V

Product Compliances

Low voltage directive 2014/35/EU

The Electrical Equipment (Safety) Regulations S.I. 2016/1101

Material Compliances

ROHS 2011/65/EU, 2015/863/EU

REACH No. 1907/2006



Mechanical

Line:	see comment		
Load:	(-07) Lace Ferrule	Туре:	See Mechanical Drawing
PE:	Thread M5	Torque (Nm):	2.0-2.2
Net Weight:	0.74 kg		
IP Class (IEC 60529-1):	20		

Comment to Line Terminal

Type: DG637-6.35-03P-14-00AH Torque (Nm): 0.5 Flex Wire (AWG): 28 - 10 Flex Wire (mm2): 0.2 - 4

Annexes

Annex 1

Description:	Mechanical Drawing
Document Number:	1091396

Annex 2

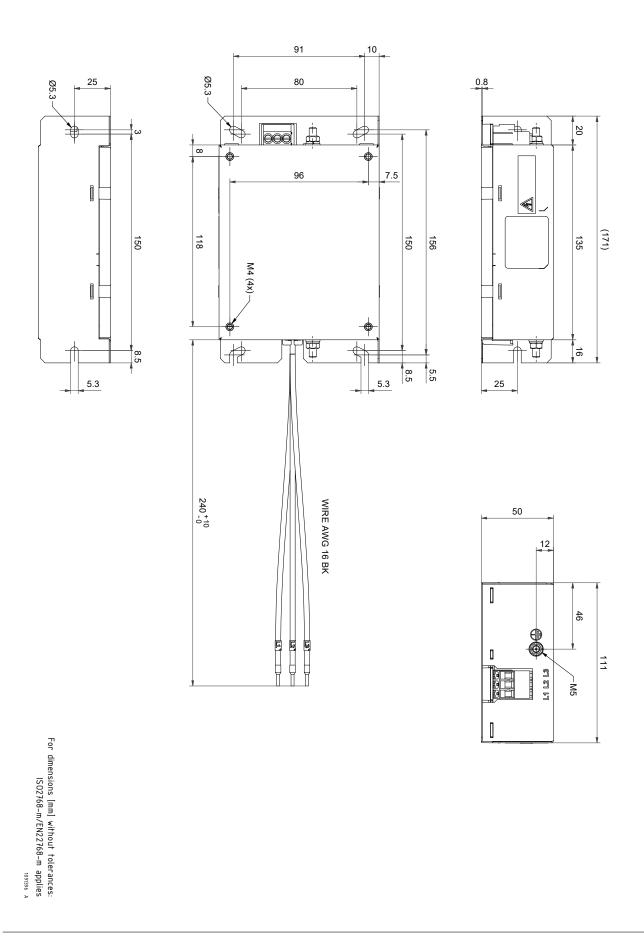
Description:	Product Label
Document Number:	1090762

Annex 3

Description:	Packaging Label
Document Number:	1079084

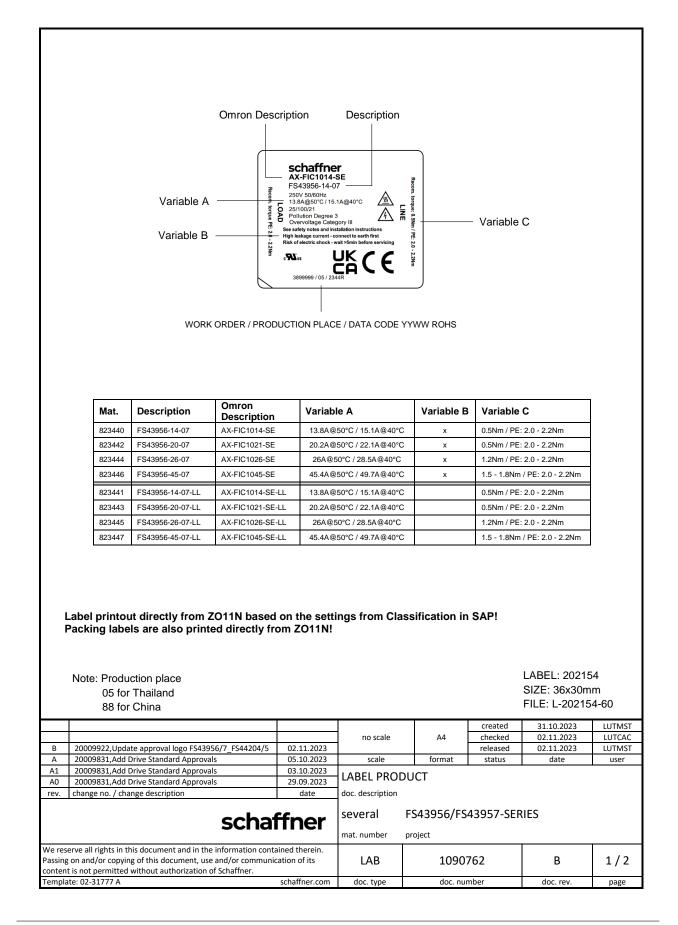


Annex 1 - Mechanical Drawing

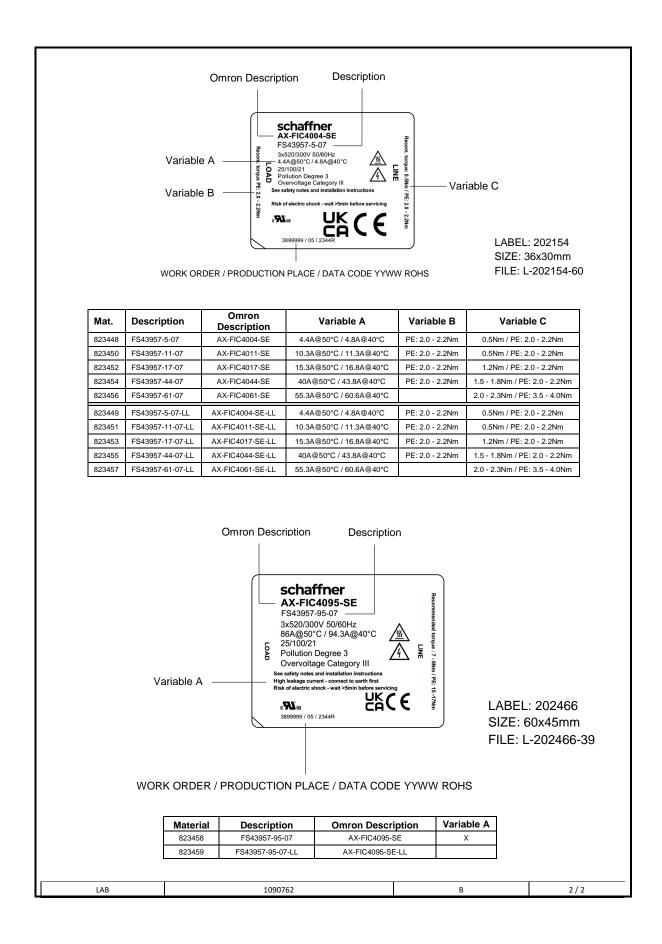




Annex 2 - Product Label

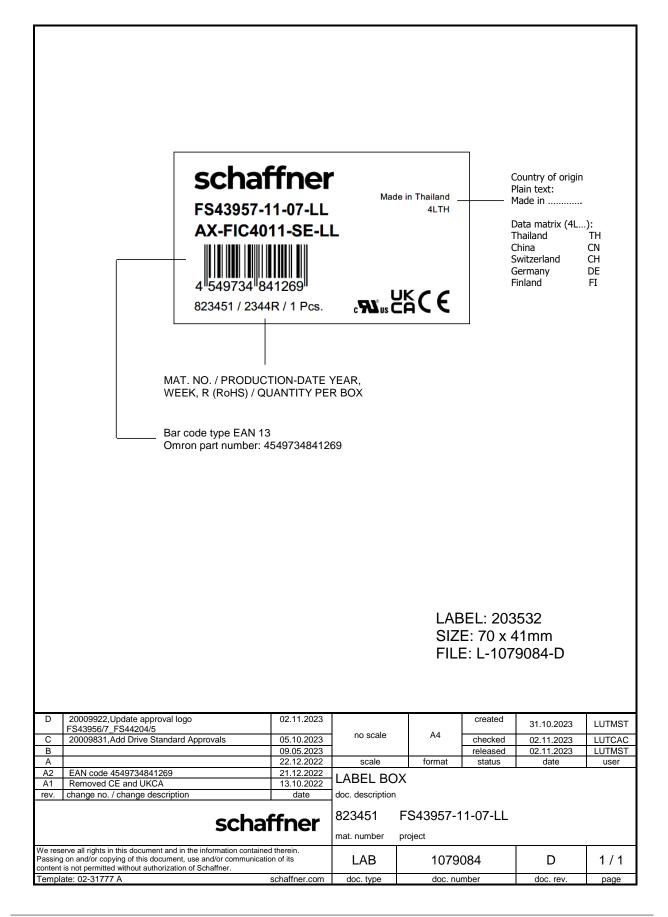








Annex 3 - Packaging Label





Disclaimer

1. Product suitability for a given application must ultimately be determined by the user (the party that is putting the product into operation) on a case by case basis. Product functionality and suitability must be determined with proper verification within the final application. Neither Schaffner nor its subsidiaries will assume liability for any consequential downtimes or damages resulting from use of products outside their specifications or due to incomplete verification in application.

2. Do not attempt to install, operate, maintain or inspect any product until you have read and understood the related safety notes and installation guidelines delivered with the product. If not available, general safety and installation notes are available on Schaffner Website: www.schaffner.com.

Non-qualified persons are not allowed to install or maintain Schaffner products!

3. The user is responsible to observe compliance with all local installation and electrical regulations.

4. All products must have their safety earth connected using properly dimensioned connectors. It is recommended to avoid chaining safety earth of multiple equipment together.

5. Warnings, cautions and notes as displayed on the product label must be observed at all times.

6. Overcurrent or overvoltage applied to products or resulting from an improper setup (i.e. resonances) may cause substantial damages, represent a fire hazards and lead to body injury or death.

7. Unless specifically indicated in datasheet, products do not contain any protection components. Suitable overcurrent and overvoltage protection circuits must be placed upstream of the product to avoid any consequential damage in case of any system malfunction.

8. Products with capacitive elements can have significant amount of stored energy. If misused or mishandled it could lead to body harm, damage and eventually fire hazard.

9. Products have limited lifetime and are subject to ageing effects heavily depending on operating conditions and environment. Schaffner recommends to regularly check any inbuilt capacitance to ensure constant performance and considering replacement after 12 years from initial commissioning unless otherwise indicated. Even when properly operated as in specifications, it is not possible to rule out single malfunctioning or failures of components happening before the usual lifetime.

User is responsible to evaluate the environment in the application and eventually perform preventive maintenance before the above recommendation. User shall also evaluate risk of possible failures and implement proper containment actions to avoid damage or injury.

10. Schaffner reserves the right to change raw materials used in this product during its life cycle on the companys own discretion, mainly for the purpose of managing and maintaining a capable international supplier base and for ensuring prompt product availability at all times. All changes having no impact on form, fit, function and technical specifications according to company internal evaluation will be carried out without notification.

Stricter change management process can be implemented on request.