

Licence for



CENELEC ENEC Agreement Licence Ref. No. SE/0037-28B

Product:	Filter unit for radio interference suppression
Type designation:	FN 201*-, FN 202*-, FS 8031-6-07, FS 3966-20-*, FS 4726-20*-1, FN 206*-, FN 207*-, FN 208*-, FS 5409, FS7437-30-08-01 613507-01, 02
Test Report No.	
Licence holder:	SCHAFFNER EMV AG Components Safety Service Nordstrasse 11 CH-4542 Luterbach SWITZERLAND
The product complies with the standard(s):	EN 60939:2005
Licence holder is authorized to use the mark with the following limitations:	-
Date of expiry:	31 December 2013

Additional information in Appendix

Certification Body	Intertek Semko AB, Product Certification	Place	Kista - Stockholm
Signed	 Pia Ostgaard	Date	18 October 2006
Internal reference:	SUL		

SUL

This Licence is the result of testing a sample of the product submitted, in accordance with the provisions of the relevant specific standard. A copy of the Licence shall be filed in the place of manufacturing. The Licence has been established by a body which is a signatory to the ENEC Agreement ratified by CENELEC Marks Committee on 10 April 1992.

APPENDIX

CENELEC ENEC Agreement Licence Ref. No. SE/0037-28B

Test Report No.

613507-01, 02

Type summary FN 20x - Series

Type	Current [A]	Terminal	Induct. {L1} [mH]	Turns {2x}	Wire-Ø [mm]	X2-Caps [µF]	X2-Caps [µF]	Y2-Caps [nF]	Resistor [kΩ]	Case
FN 201PQZ- 1-...	1	X	12	64	0.335	0.1	-	4.7	1000	F3
FN 201PQZ- 3-...	3	X	2.5	29	0.6	0.1	-	4.7	1000	F3
FN 201PQZ- 6-...	6	X	1.0	19	0.8	0.1	-	4.7	1000	F3
FS 8031 - 6-07	6	X	1.0	19	0.8	0.1	-	-	1000	F3
FN 201PQZ-10-...	10	X	0.8	13	1.12	0.1	-	4.7	1000	F2
FN 201PQZ-12-...	12	X	0.7	12	1.18	0.1	-	4.7	1000	F2
FN 201PQZ-16-...	16	X	0.65	11	1.8	0.1	-	4.7	1000	H2
FN 201PQZ-20-...	20	Y	0.60	9	2.24	0.1	-	4.7	1000	K1
FS 3966 -20-...	20	Y	0.60	9	2.24	1.0	-	22.0	1000	K1
FN 201PQZ-30-...	30	Z	0.67	10	2.65	0.47	-	10.0	1000	P
FN 201PQZ-60-...	60	W	1.0	9	2x(Ø3.0)	1.5	-	10.0	330	L2
FN 202PQZ- 1-...	1	X	12	64	0.335	0.15	0.15	4.7	1000	F2
FN 202PQZ- 3-...	3	X	2.5	29	0.6	0.15	0.15	4.7	1000	F2
FN 202PQZ- 6-...	6	X	1.0	19	0.8	0.15	0.15	4.7	1000	F2
FN 202PQZ-10-...	10	X	0.8	13	1.12	0.15	0.15	4.7	1000	F2
FN 202PQZ-12-...	12	X	0.7	12	1.18	0.15	0.15	4.7	1000	F2
FN 202PQZ-16-...	16	X	0.65	11	1.8	0.15	0.15	4.7	1000	H2
FN 202PQZ-20-...	20	Y	0.60	9	2.24	0.15	0.15	4.7	1000	K1
FS 4726 -20-...-1	20	Y	0.7	10	2.00	1.5	1.5	15	220	P
FN 202PQZ-30-...	30	Z	0.67	10	2.65	0.47	0.47	10.0	470	P
FN 202PQZ-60-...	60	W	1.0	9	2x(Ø3.0)	1.5	1.5	10.0	220	L2

- Z: Additional Varistor
Standard without Varistor
- Q: stands for changed Y2-Capacitors *
- P: 0 to 3 = Circuit diagram (See enclosure)
- X: 01 = Soldering lugs
05 = Faston 6.3 x 0.8 (spade)
06 = Faston 6.3 x 0.8 (spade / soldering)
07 = Wire
08 = Screw terminal M4
10 = Screw terminal UNC 8-32
- Y: 01 = Soldering lugs
03 = Clamp terminal
05 = Faston 6.3 x 0.8 (spade)
06 = Faston 6.3 x 0.8 (spade / soldering)
07 = Wire (only for FN 20...-16 !)
08 = Screw terminal M4
10 = Screw terminal UNC 8-32
17 = Screw terminal UNF 10-32
- Z: 03 = Clamp terminal
08 = Screw terminal M4
10 = Screw terminal UNC 8-32
17 = Screw terminal UNF 10-32
- W: 24 = Screw terminal M6

* Y2-Capacitors: Standard version = without letter, which means the value is according to the table above;
A = 0.47 nF; A1 = 0.22 nF; A2 = 0.33 nF; B = no Y2-Caps; C2 = 0.68 nF; C1 = 1 nF; C = 1.5 nF; D = 2.2 nF;
V = 2.8 nF; W = 3 nF; F = 3.3 nF; X = 4 nF; G = 4.7 nF; Y = 5.5 nF; H1 = 6.8 nF; H = 10 nF; I = 15 nF; K = 22 nF;
L = 33 nF; M = 47 nF; N1 = 68 nF; N = 100 nF

18 October 2006

Type	Current [A]	Terminal	Amb. Temp. [°C]	Induct. (L1) [mH]	Turns (2x)	Wire-Ø [mm]	Induct. (L2) [mH]	Turns (2x)	Wire-Ø [mm]	X2-Caps [µF]	X2-Caps [µF]	X2-Caps [µF]	Y2-Caps [nF]	Resistor [kΩ]	Case
FN 206PQZ-1...	1	X	40	12	64	0.335	12	64	0.335	0.22	0.22	0.22	4.7	1000	H2
FN 206PQZ-3...	3	X	40	2.5	29	0.6	2.5	29	0.6	0.22	0.22	0.22	4.7	1000	H2
FN 206PQZ-6...	6	X	40	0.97	18	0.8	0.97	18	0.8	0.22	0.22	0.22	4.7	1000	H2
FN 206PQZ-10...	10	X	40	0.8	13	1.18	0.8	13	1.18	0.47	0.47	0.47	4.7	470	K1
FN 206PQZ-12...	12	X	40	0.58	11	1.25	0.58	11	1.25	0.47	0.47	0.47	4.7	470	K1
FN 206PQZ-16...	16	Y	40	0.65	11	1.8	0.65	11	1.8	0.33	0.33	0.33	4.7	1000	K2
FN 206PQZ-20...	20	Y	40	0.6	9	2.24	0.6	9	2.24	1.0	1.0	1.0	4.7	220	P
FN 206PQZ-30...	30	Z	40	0.6	11	2x(Ø2.0)	0.6	11	2x(Ø2.0)	1.0	1.0	1.0	10.0	220	L2
FN 207PQZ-1...	1	Y	40	22	90	0.335	22	90	0.335	0.33	0.33	0.33	4.7	1000	K1
FN 207PQZ-3...	3	Y	40	9.8	42	0.71	9.8	42	0.71	0.47	0.47	0.47	4.7	470	K2
FN 207PQZ-6...	6	Y	40	7.8	33	1.12	7.8	33	1.12	1.0	1.0	1.0	4.7	220	P
FN 207PQZ-10...	10	Y	40	4.5	26	1.6	4.5	26	1.6	1.0	1.0	1.0	4.7	220	Q
FN 207PQZ-12...	12	Y	40	3.25	22	1.8	3.25	22	1.8	1.0	1.0	1.0	4.7	220	Q
FS 5409 -12...	12	Y	40	7.0	32	2.0	7.0	32	2.0	0.68	0.68	0.68	2 * 22.0	1000	L2
FN 207PQZ-16...	16	Y	40	2.8	20	2.24	2.8	20	2.24	1.0	1.0	1.0	4.7	220	L2
FN 207PQZ-25...	25	Z	40	2.0	9	2.50	2.0	9	2.50	2.2	2.2	2.2	4.7	220	Q
FS 7437 Q -30...	30	Z	40	1.4	8	2.9	1.4	8	2.9	2.2	2.2	2.2	2 * 22.0 in series	220	Q
FN 207PQZ-36...	36	Z	40	1.23	7	3.0	1.23	7	3.0	2.2	2.2	2.2	4.7	220	Q
FN 208PQZ-1...	1	Y	40	22	90	0.335	0.49	90	0.355	0.33	0.33	0.33	4.7	1000	K1
FN 208PQZ-3...	3	Y	40	9.8	42	0.71	0.16	36	0.71	0.47	0.47	0.47	4.7	470	K2
FN 208PQZ-6...	6	Y	40	7.8	33	1.12	0.11	30(1x)	1.12	1.0	1.0	1.0	4.7	220	P
FN 208PQZ-10...	10	Y	40	4.5	26	1.6	0.06	22(1x)	1.25	1.0	1.0	1.0	4.7	220	Q
FN 208PQZ-12...	12	Y	40	3.25	22	1.8	0.05	20(1x)	1.6	1.0	1.0	1.0	4.7	220	Q
FN 208PQZ-16...	16	Y	40	2.8	20	2.24	0.043	16	2.24	1.0	1.0	1.0	4.7	220	L2

- Y: 01 = Soldering lugs
 03 = Clamp terminal
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 Y = 5.5 nF; H1 = 6.8 nF; H = 10 nF; I = 15 nF; K = 22 nF; L = 33 nF; M = 47 nF; N1 = 68 nF; N = 100 nF

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Capacitors included:

X2

BC Components type 338 2

Y2

Evox Rifa type PME 271Y

Or equivalent which is approved according to the standard EN 60384-14 or EN 132400

Manufacturing site(s):

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This certificate replaces previously issued ref. No. SE/0037-28A .
A new certificate has been issued on account of new standard.

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