FMAB NEO

AC Filter, High Symmetrical Attenuation

new



Bolt and nut M4 Case PK



Quick connect terminals 6.3x0.8 mm Case PG



Wire leads Case PI

Description

- Line-filter in standard version
- 1-stage
- high attenuation
- 3 designs
  N) excellent symmetrical noise attenuation
  P) high symmetrical noise attenuation
  Q) standard symmetrical noise attenuation

Unique Selling Proposition

- Excellent symmetrical attenuation
- Compact and cost optimized
- Completely closed steel housing
- Optional wire leads

Approvals

- VDE Certificate Number: 40041643
- UL File Number: E72928

Characteristics

- Compact filter with high symmetrical attenuation
- Designed for universal industrial applications
- Especially designed forapplications with symmetrical noise caused by switching semiconductors
- Suitable for use in equipment according to IEC/UL 60950
  Suitable for use in medical equipment according to IEC/UL 60601-1

Other versions on request

- Version with wire connection

Weblinks

pdf-datasheet, html-datasheet, General Product Information, Approvals, CE declaration of conformity, RoHS, CHINA-RoHS, REACH, Distributor-Stock-Check, Detailed request for product

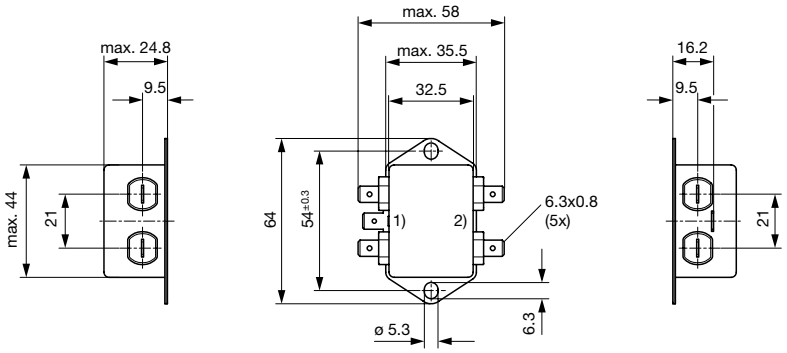
Technical Data

Ratings IEC	1 - 60 A @ Ta 40 °C / 250 VAC; 50 Hz
Ratings UL/CSA	1 - 60 A @ Ta 40 °C / 125/250 VAC; 60 Hz
Leakage Current	industrial < 1 mA (250 V / 60 Hz)
Dielectric Strength	> 1.7 kVDC between L-N > 2.7 kVDC between L/N-PE Test voltage (2 sec)
Allowable Operation Temp.	-40 °C to 100 °C
Climatic Category	40/100/21 acc. to IEC 60068-1
Protection Class	Suitable for appliances with protection class I acc. to IEC 61140
Terminal	Quick connect terminal 6.3 x 0.8 mm Bolt and nut
Material: Housing	Metal

Line Filter	Standard, medical and industrial version, IEC 60939, UL 1283, CSA C22.2 no. 8 Technical Details
MTBF	> 200'000 h acc. to MIL-HB-217 F

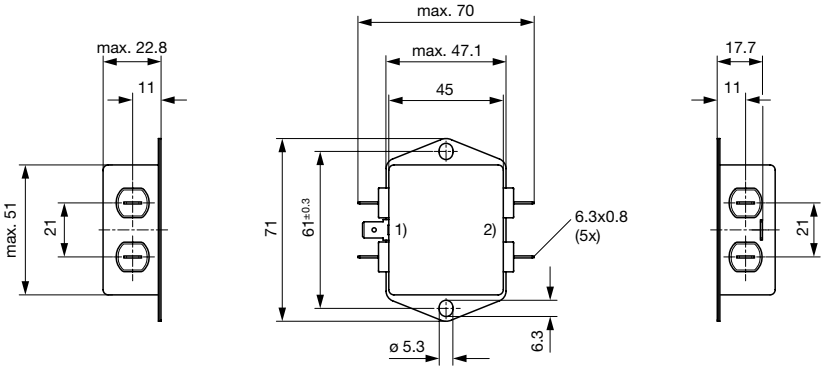
Dimension

Case PG with quick connect terminals



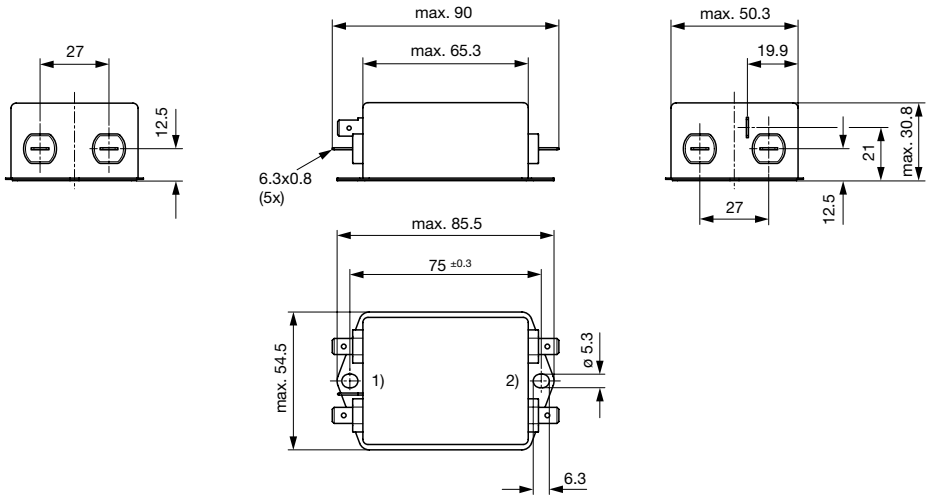
1) Line
2) Load

Case PH with quick connect terminals



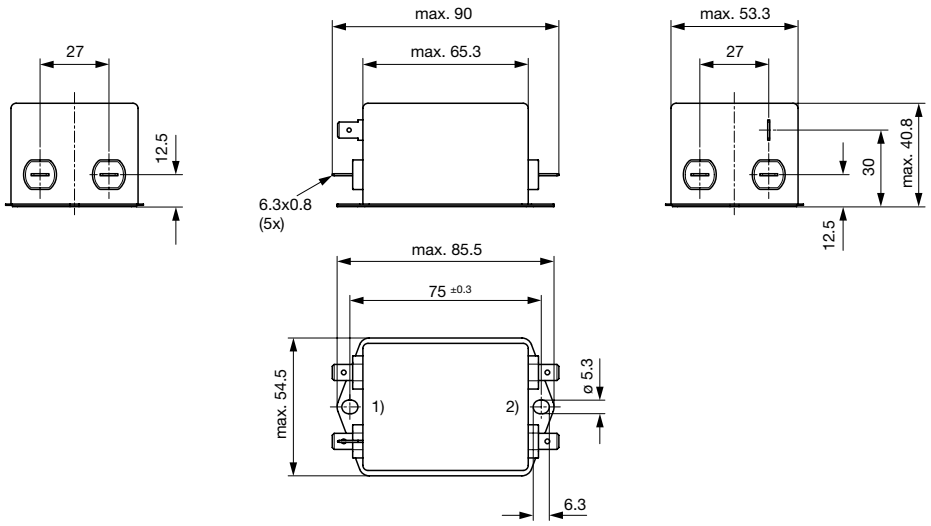
1) Line
2) Load

Case PI with quick connect terminals



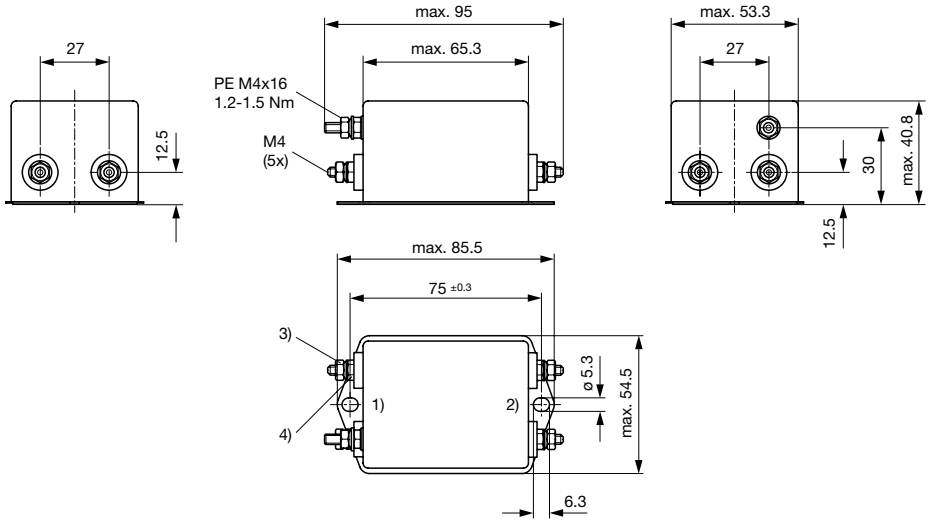
1) Line
2) Load

Case PK with quick connect terminals



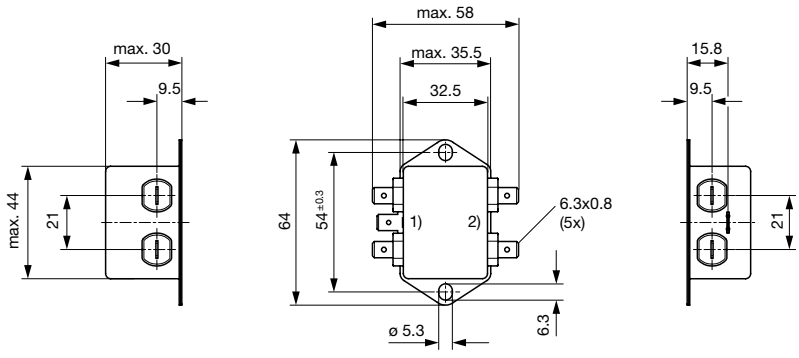
1) Line
2) Load

Case PK with bolt and nut



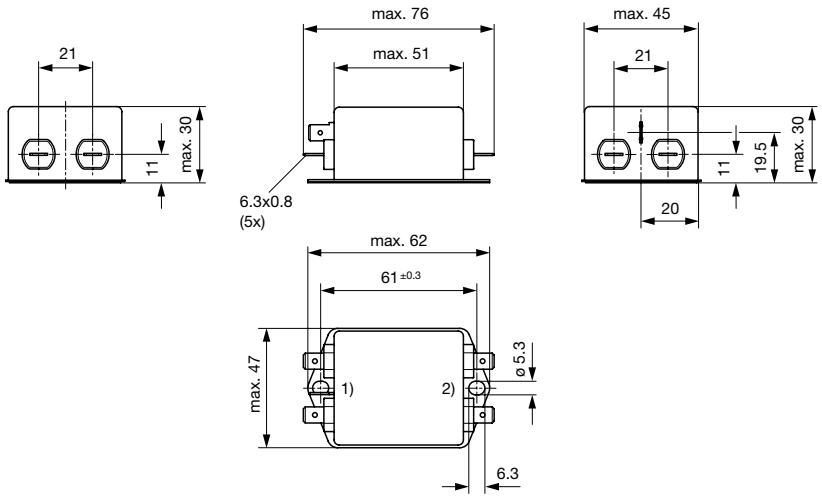
1) Line
2) Load
3) Nut torque 0.8...1 Nm, keep lock-nut fastened
4) Lock-nut do not unscrew

Case QC with quick connect terminals



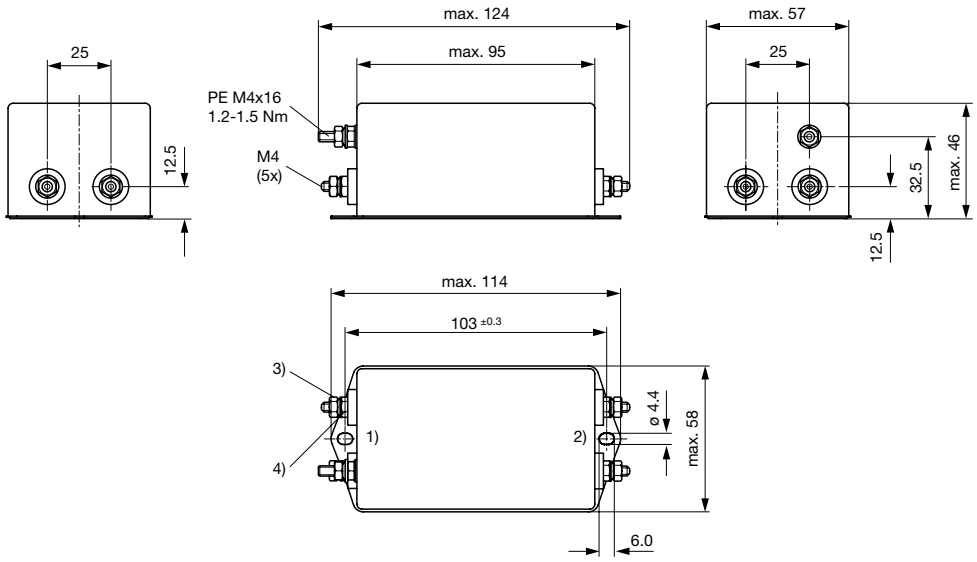
1) Line
2) Load

Case QD with quick connect terminals



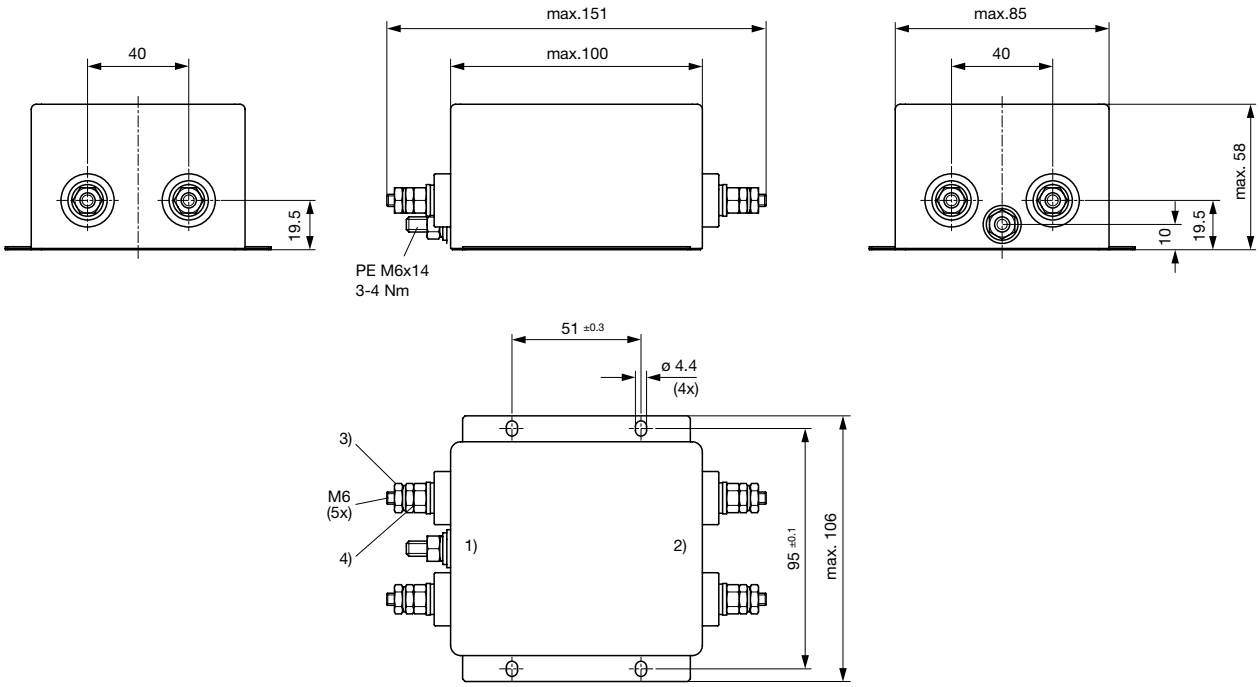
1) Line
2) Load

Case QE with bolt and nut



1) Line
2) Load
3) Nut torque 0.8...1 Nm, keep lock-nut fastened
4) Lock-nut do not unscrew

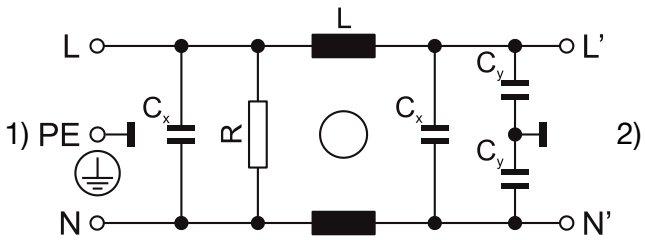
Case QF with bolt and nut



1) Line
2) Load
3) Nut torque 3...4 Nm, keep lock-nut fastened
4) Do not unscrew lock-nut

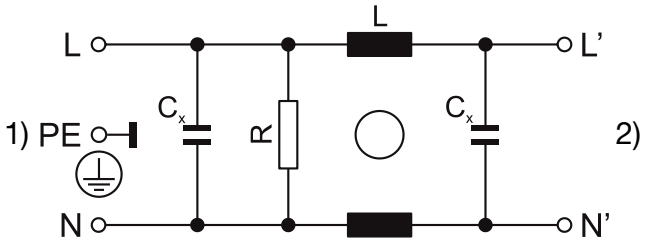
Diagrams

Standard version
Design N, P



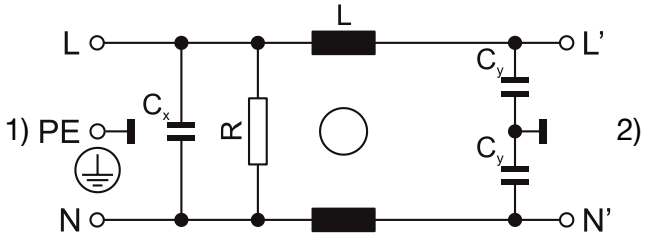
1) Line
2) Load

Medical version M5
Design N, P



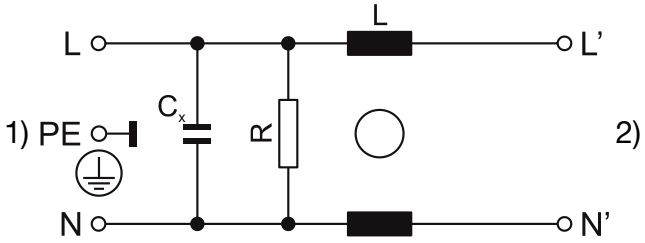
1) Line
2) Load

Standard version
Design Q



1) Line
2) Load

Medical version M5
Design Q

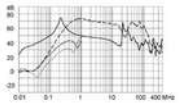


1) Line
2) Load

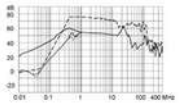
Attenuation Loss . . . 0.1/100Ω differential mode ..... 100/0.1Ω differential mode - - - - 50Ω differential mode _____ 50Ω common mode

Standard version

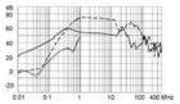
1 A / Design N



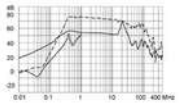
3 A / Design N



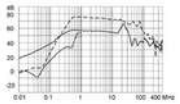
4 A / Design N



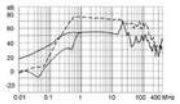
6 A / Design N



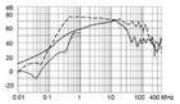
8 A / Design N



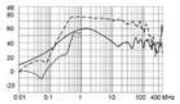
10 A / Design N



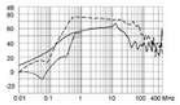
12 A / Design N



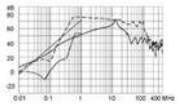
16 A / Design N



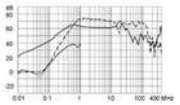
20 A / Design N



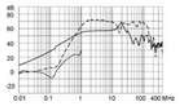
30 A / Design N



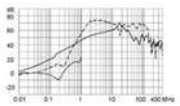
1 A / Design P



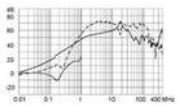
3 A / Design P



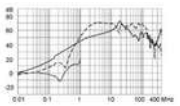
6 A / Design P



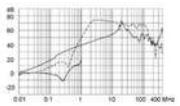
10 A / Design P



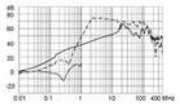
12 A / Design P



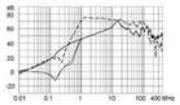
16 A / Design P



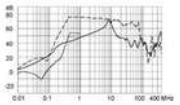
20 A / Design P



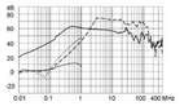
30 A / Design P



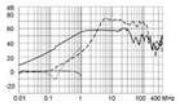
60 A / Design P



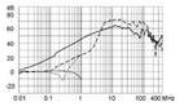
1 A / Design Q



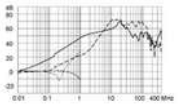
3 A / Design Q



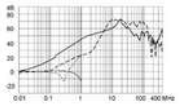
6 A / Design Q



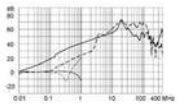
10 A / Design Q



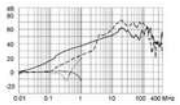
12 A / Design Q



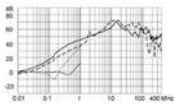
16 A / Design Q



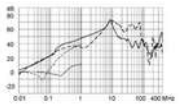
20 A / Design Q



30 A / Design Q

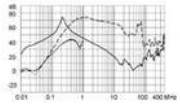


60 A / Design Q

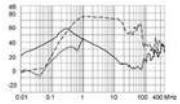


Medical version (M5)

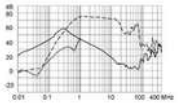
1 A / Design N



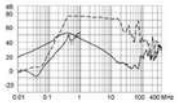
3 A / Design N



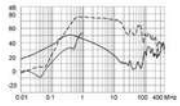
4 A / Design N



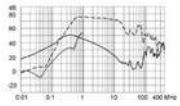
6 A / Design N



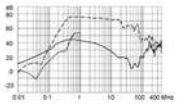
8 A / Design N



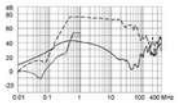
10 A / Design N



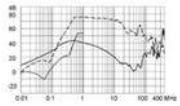
12 A / Design N



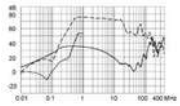
16 A / Design N



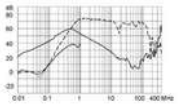
20 A / Design N



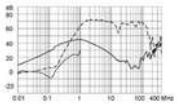
30 A / Design N



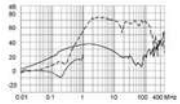
1 A / Design P



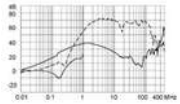
3 A / Design P



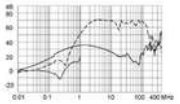
6 A / Design P



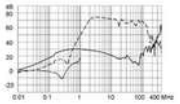
10 A / Design P



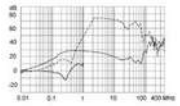
12 A / Design P



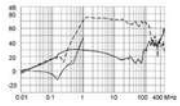
16 A / Design P



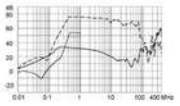
20 A / Design P



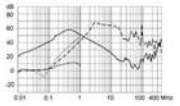
30 A / Design P



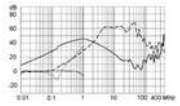
60 A / Design P



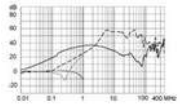
1 A / Design Q



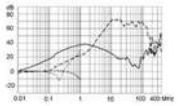
3 A / Design Q



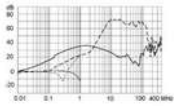
6 A / Design Q



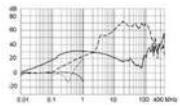
10 A / Design Q



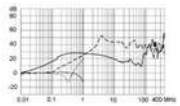
12 A / Design Q



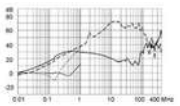
16 A / Design Q



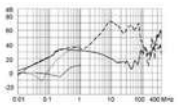
20 A / Design Q



30 A / Design Q

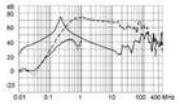


60 A / Design Q

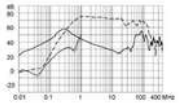


Medical version (M80)

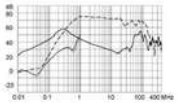
1 A / Design N



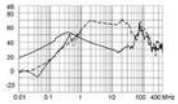
3 A / Design N



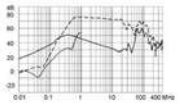
4 A / Design N



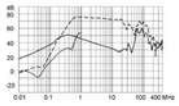
6 A / Design N



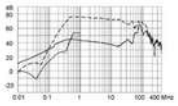
8 A / Design N



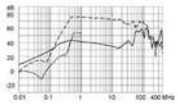
10 A / Design N



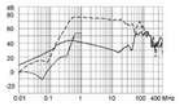
12 A / Design N



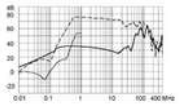
16 A / Design N



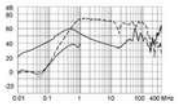
20 A / Design N



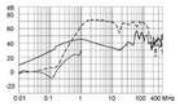
30 A / Design N



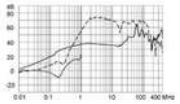
1 A / Design P



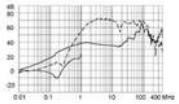
3 A / Design P



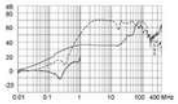
6 A / Design P



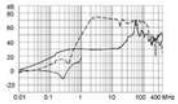
10 A / Design P



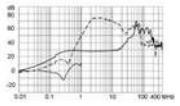
12 A / Design P



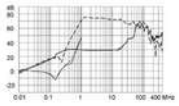
16 A / Design P



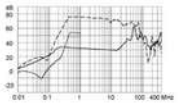
20 A / Design P



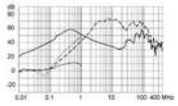
30 A / Design P



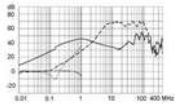
60 A / Design P



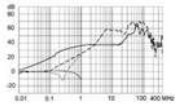
1 A / Design Q



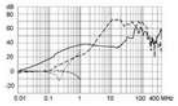
3 A / Design Q



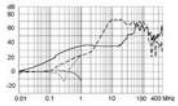
6 A / Design Q



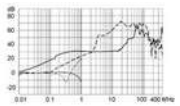
10 A / Design Q



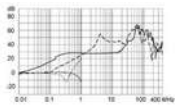
12 A / Design Q



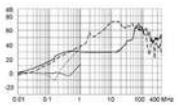
16 A / Design Q



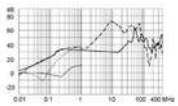
20 A / Design Q



30 A / Design Q



60 A / Design Q



All Variants

Rated current [A]	Filter-Type	Terminal	Design	Leakage [mA]	Ri [mΩ]	Power Loss [W]	Weight [g]	Housings	Packaging [ST]	Order Number
1	Standard Version	Quick connect terminal 6.3 x 0.8 mm	N	0.5	475	1	72 g	PG	15	5500.2630.01
3	Standard Version	Quick connect terminal 6.3 x 0.8 mm	N	0.5	83	1.5	104 g	PH	15	5500.2631.01
4	Standard Version	Quick connect terminal 6.3 x 0.8 mm	N	0.5	53	1.7	108 g	PH	15	5500.2632.01
6	Standard Version	Quick connect terminal 6.3 x 0.8 mm	N	0.5	32.5	2.4	109 g	PH	15	5500.2633.01
8	Standard Version	Quick connect terminal 6.3 x 0.8 mm	N	0.5	29.2	3.8	190 g	PI	10	5500.2634.01
1	Standard Version	Quick connect terminal 6.3 x 0.8 mm	P	0.5	320	0.65	80 g	QC	15	5500.2640.01
3	Standard Version	Quick connect terminal 6.3 x 0.8 mm	P	0.5	36	0.65	81 g	QC	15	5500.2641.01
6	Standard Version	Quick connect terminal 6.3 x 0.8 mm	P	0.5	12	0.86	80 g	QC	15	5500.2642.01
10	Standard Version	Quick connect terminal 6.3 x 0.8 mm	P	0.5	5	1	87 g	QC	15	5500.2643.01
12	Standard Version	Quick connect terminal 6.3 x 0.8 mm	P	0.5	4	1.2	92 g	QC	15	5500.2644.01
16	Standard Version	Quick connect terminal 6.3 x 0.8 mm	P	0.5	2	1	138 g	QD	15	5500.2645.01

Rated current [A]	Filter-Type	Terminal	Design	Lea-kage [mA]	Ri [mΩ]	Power Loss [W]	Weight [g]	Housings	Packa-ging [ST]	Order Number
20	Standard Version	Quick connect terminal 6.3 x 0.8 mm	P	0.5	1.9	1.5	206 g	PI	10	5500.2646.01
1	Standard Version	Quick connect terminal 6.3 x 0.8 mm	Q	0.5	320	0.65	66 g	PG	15	5500.2650.01
3	Standard Version	Quick connect terminal 6.3 x 0.8 mm	Q	0.5	36	0.65	70 g	PG	15	5500.2651.01
6	Standard Version	Quick connect terminal 6.3 x 0.8 mm	Q	0.5	12	0.86	100 g	PG	15	5500.2652.01
10	Standard Version	Quick connect terminal 6.3 x 0.8 mm	Q	0.5	5	1	90 g	QC	15	5500.2653.01
12	Standard Version	Quick connect terminal 6.3 x 0.8 mm	Q	0.5	4	1.2	90 g	QC	15	5500.2654.01
16	Standard Version	Quick connect terminal 6.3 x 0.8 mm	Q	0.5	2	1	136 g	QD	15	5500.2655.01
20	Standard Version	Quick connect terminal 6.3 x 0.8 mm	Q	0.5	1.9	1.5	204 g	PI	10	5500.2656.01
10	Industrial Version	Quick connect terminal 6.3 x 0.8 mm	N	1	22.8	4.6	200 g	PI	10	5500.2635.01
12	Industrial Version	Quick connect terminal 6.3 x 0.8 mm	N	1	13.2	3.8	201 g	PI	10	5500.2636.01
16	Industrial Version	Quick connect terminal 6.3 x 0.8 mm	N	1	7.2	3.7	308 g	PK	10	5500.2637.01
20	Industrial Version	Quick connect terminal 6.3 x 0.8 mm	N	1	6.0	4.8	322 g	PK	10	5500.2638.01
30	Industrial Version	Bolt and nut M4	N	1	2.9	5.2	355 g	PK	10	5500.2639.03
30	Industrial Version	Bolt and nut M4	P	1	1	1.8	450 g	QE	5	5500.2647.03
60	Industrial Version	Bolt and nut M6	P	1	1	7.2	1220 g	QF	1	5500.2648.03
30	Industrial Version	Bolt and nut M4	Q	1	1	1.8	450 g	QE	5	5500.2657.03
60	Industrial Version	Bolt and nut M6	Q	1	1	7.2	1220 g	QF	1	5500.2658.03
1	Medical (M5)	Quick connect terminal 6.3 x 0.8 mm	N	0.005	475	1	72 g	PG	15	5500.2630.04
3	Medical (M5)	Quick connect terminal 6.3 x 0.8 mm	N	0.005	83	1.5	104 g	PH	15	5500.2631.04
4	Medical (M5)	Quick connect terminal 6.3 x 0.8 mm	N	0.005	53	1.7	108 g	PH	15	5500.2632.04
6	Medical (M5)	Quick connect terminal 6.3 x 0.8 mm	N	0.005	32.5	2.4	109 g	PH	15	5500.2633.04
8	Medical (M5)	Quick connect terminal 6.3 x 0.8 mm	N	0.005	29.2	3.8	190 g	PI	10	5500.2634.04
10	Medical (M5)	Quick connect terminal 6.3 x 0.8 mm	N	0.005	22.8	4.6	200 g	PI	10	5500.2635.04
12	Medical (M5)	Quick connect terminal 6.3 x 0.8 mm	N	0.005	13.2	3.8	201 g	PI	10	5500.2636.04
16	Medical (M5)	Quick connect terminal 6.3 x 0.8 mm	N	0.005	7.2	3.7	308 g	PK	10	5500.2637.04
20	Medical (M5)	Quick connect terminal 6.3 x 0.8 mm	N	0.005	6.0	4.8	322 g	PK	10	5500.2638.04
30	Medical (M5)	Bolt and nut M4	N	0.005	2.9	5.2	355 g	PK	10	5500.2639.06
1	Medical (M5)	Quick connect terminal 6.3 x 0.8 mm	P	0.005	320	0.65	80 g	QC	15	5500.2640.04
3	Medical (M5)	Quick connect terminal 6.3 x 0.8 mm	P	0.005	36	0.65	81 g	QC	15	5500.2641.04
6	Medical (M5)	Quick connect terminal 6.3 x 0.8 mm	P	0.005	12	0.86	80 g	QC	15	5500.2642.04
10	Medical (M5)	Quick connect terminal 6.3 x 0.8 mm	P	0.005	5	1	87 g	QC	15	5500.2643.04
12	Medical (M5)	Quick connect terminal 6.3 x 0.8 mm	P	0.005	4	1.2	92 g	QC	15	5500.2644.04
16	Medical (M5)	Quick connect terminal 6.3 x 0.8 mm	P	0.005	2	1	138 g	QD	15	5500.2645.04
20	Medical (M5)	Quick connect terminal 6.3 x 0.8 mm	P	0.005	1.9	1.5	206 g	PI	10	5500.2646.04
30	Medical (M5)	Bolt and nut M4	P	0.005	1	1.8	450 g	QE	5	5500.2647.06
60	Medical (M5)	Bolt and nut M6	P	0.005	1	7.2	1220 g	QF	1	5500.2648.06
1	Medical (M5)	Quick connect terminal 6.3 x 0.8 mm	Q	0.005	320	0.65	66 g	PG	15	5500.2650.04
3	Medical (M5)	Quick connect terminal 6.3 x 0.8 mm	Q	0.005	36	0.65	70 g	PG	15	5500.2651.04
6	Medical (M5)	Quick connect terminal 6.3 x 0.8 mm	Q	0.005	12	0.86	100 g	PG	15	5500.2652.04
10	Medical (M5)	Quick connect terminal 6.3 x 0.8 mm	Q	0.005	5	1	90 g	QC	15	5500.2653.04
12	Medical (M5)	Quick connect terminal 6.3 x 0.8 mm	Q	0.005	4	1.2	90 g	QC	15	5500.2654.04
16	Medical (M5)	Quick connect terminal 6.3 x 0.8 mm	Q	0.005	2	1	136 g	QD	15	5500.2655.04
20	Medical (M5)	Quick connect terminal 6.3 x 0.8 mm	Q	0.005	1.9	1.5	204 g	PI	10	5500.2656.04
30	Medical (M5)	Bolt and nut M4	Q	0.005	1	1.8	450 g	QE	5	5500.2657.06
60	Medical (M5)	Bolt and nut M6	Q	0.005	1	7.2	1220 g	QF	1	5500.2658.06
1	Medical (M80)	Quick connect terminal 6.3 x 0.8 mm	N	0.08	475	1	72 g	PG	15	5500.2630.07
3	Medical (M80)	Quick connect terminal 6.3 x 0.8 mm	N	0.08	83	1.5	104 g	PH	15	5500.2631.07
4	Medical (M80)	Quick connect terminal 6.3 x 0.8 mm	N	0.08	53	1.7	108 g	PH	15	5500.2632.07
6	Medical (M80)	Quick connect terminal 6.3 x 0.8 mm	N	0.08	32.5	2.4	109 g	PH	15	5500.2633.07
8	Medical (M80)	Quick connect terminal 6.3 x 0.8 mm	N	0.08	29.2	3.8	190 g	PI	10	5500.2634.07
10	Medical (M80)	Quick connect terminal 6.3 x 0.8 mm	N	0.08	22.8	4.6	200 g	PI	10	5500.2635.07
12	Medical (M80)	Quick connect terminal 6.3 x 0.8 mm	N	0.08	13.2	3.8	201 g	PI	10	5500.2636.07
16	Medical (M80)	Quick connect terminal 6.3 x 0.8 mm	N	0.08	7.2	3.7	308 g	PK	10	5500.2637.07
20	Medical (M80)	Quick connect terminal 6.3 x 0.8 mm	N	0.08	6.0	4.8	322 g	PK	10	5500.2638.07

Rated current [A]	Filter-Type	Terminal	Design	Lea-kage [mA]	Ri [mΩ]	Power Loss [W]	Weight [g]	Housings	Packa-ging [ST]	Order Number
30	Medical (M80)	Bolt and nut M4	N	0.08	2.9	5.2	355 g	PK	10	5500.2639.09
1	Medical (M80)	Quick connect terminal 6.3 x 0.8 mm	P	0.08	320	0.65	80 g	QC	15	5500.2640.07
3	Medical (M80)	Quick connect terminal 6.3 x 0.8 mm	P	0.08	36	0.65	81 g	QC	15	5500.2641.07
6	Medical (M80)	Quick connect terminal 6.3 x 0.8 mm	P	0.08	12	0.86	80 g	QC	15	5500.2642.07
10	Medical (M80)	Quick connect terminal 6.3 x 0.8 mm	P	0.08	5	1	87 g	QC	15	5500.2643.07
12	Medical (M80)	Quick connect terminal 6.3 x 0.8 mm	P	0.08	4	1.2	92 g	QC	15	5500.2644.07
16	Medical (M80)	Quick connect terminal 6.3 x 0.8 mm	P	0.08	2	1	138 g	QD	15	5500.2645.07
20	Medical (M80)	Quick connect terminal 6.3 x 0.8 mm	P	0.08	1.9	1.5	206 g	PI	10	5500.2646.07
30	Medical (M80)	Bolt and nut M4	P	0.08	1	1.8	450 g	QE	5	5500.2647.09
60	Medical (M80)	Bolt and nut M6	P	0.08	1	7.2	1220 g	QF	1	5500.2648.09
1	Medical (M80)	Quick connect terminal 6.3 x 0.8 mm	Q	0.08	320	0.65	66 g	PG	15	5500.2650.07
3	Medical (M80)	Quick connect terminal 6.3 x 0.8 mm	Q	0.08	36	0.65	70 g	PG	15	5500.2651.07
6	Medical (M80)	Quick connect terminal 6.3 x 0.8 mm	Q	0.08	12	0.86	100 g	PG	15	5500.2652.07
10	Medical (M80)	Quick connect terminal 6.3 x 0.8 mm	Q	0.08	5	1	90 g	QC	15	5500.2653.07
12	Medical (M80)	Quick connect terminal 6.3 x 0.8 mm	Q	0.08	4	1.2	90 g	QC	15	5500.2654.07
16	Medical (M80)	Quick connect terminal 6.3 x 0.8 mm	Q	0.08	2	1	136 g	QD	15	5500.2655.07
20	Medical (M80)	Quick connect terminal 6.3 x 0.8 mm	Q	0.08	1.9	1.5	204 g	PI	10	5500.2656.07
30	Medical (M80)	Bolt and nut M4	Q	0.08	1	1.8	450 g	QE	5	5500.2657.09
60	Medical (M80)	Bolt and nut M6	Q	0.08	1	7.2	1220 g	QF	1	5500.2658.09

Most Popular.

Availability for all products can be searched real-time:http://www.schurter.com/Stock-Check/Stock-Check-SCHURTER

3 designs N) excellent symmetrical noise attenuation
P) high symmetrical noise attenuation
Q) standard symmetrical noise attenuation

21.11.2016

The specifications, descriptions and illustrations indicated in this document are based on current information. All content is subject to modifications and amendments. Information furnished is believed to be accurate and reliable. However, users should independently evaluate the suitability and test each product selected for their own applications.