




RoHS
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CORCOM Filter Products

Product Overview

FILTER TYPE	Power entry modules		
SERIES	P-series	C-series	EGG-series
			
PERFORMANCE	General purpose	Wide range performance	Wide range performance
Features	<ul style="list-style-type: none"> – Multifunction module with up to 15.000 different configurations – Two pole line switch – IEC-connector – Double voltage selector – Combined fuseholder – Filter with good attenuation for standard and medical applications – Available also without filter but internal bridge plug 	<ul style="list-style-type: none"> – IEC-connector w/wo Filter – Good attenuation – Small & compact design – Two pole line switch – Medical version available – Available also without filter but internal bridge plug 	<ul style="list-style-type: none"> – High attenuation – Very slim and compact design – Fuseholder for 1 or optional 2 fuses 5 x 20 – Medical version available (EHG) – C-Version with ground choke
Approvals	UL / VDE / CSA	UL / VDE / CSA	UL / VDE / CSA
ELECTRICAL PARAMETERS			
Max. voltage (VAC)	250	250	250
Current rating (A)	3 / 6 / 10	1 / 3 / 6 / 10	1 / 3 / 6 / 10
Leakage current each line to ground 250 VAC, 50 Hz	0,38 mA 5,0 µA (medical versions)	0,38 mA 5,0 µA (medical versions)	0,38 mA 5,0 µA (medical versions)
Electrical setup	Single stage (medical versions without y-capacitors)	Single stage (medical versions without y-capacitors)	Single stage (medical versions without y-capacitors)
MECHANICAL PARAMETERS			
Mounting features	Screw mounting / Snap-In	Screw mounting / Snap-In	Screw mounting / Snap-In
Termination input	IEC connector 320/C14	IEC connector 320/C14	IEC connector 320/C14
Termination output	FASTON 4,8 mm if required: 2/4-pole interconnection assembly	FASTON 4,8 mm (versions without Filter) FASTON 6,35 mm (versions with Filter)	FASTON 6,35 mm / wire leads (18 AWG)
OTHERS			
Typical applications	<p>Wide banded RFI suppression for all kinds of consumer electronic applications, e.g.:</p> <ul style="list-style-type: none"> – TV / Audio / Video – Computing & accessories – Home appliances – Medical equipment – Gambling machines – Fitness equipment 	<p>Wide banded RFI suppression for all kinds of consumer electronic applications with limited space for the suppression unit, e.g.:</p> <ul style="list-style-type: none"> – TV / Audio / Video – Computing & accessories – Home appliances – Medical equipment – Gambling machines – Fitness equipment 	<p>Wide banded RFI suppression for all kinds of consumer electronic applications with very limited space for the suppression unit, e.g.:</p> <ul style="list-style-type: none"> – TV / Audio / Video – Computing & accessories – Home appliances – Medical equipment – Gambling machines – Fitness equipment

IEC connector filters

SRB-series



EEA / EEB-series



EJ-series



EJT-series



General purpose

- One of the smallest footprints available
- Complete shield design
- Available unfiltered or with one of eight different capacitor values
- Compact and cost effective design

General purpose

- IEC-connector with filter
- Compatible with many standard filters
- Normal attenuation (EEA)
- Good attenuation (EEB)
- Very good price-performance ratio
- Compact design
- Medical version available

Wide range performance

- Next generation of power inlet filters
- High attenuation between 1-30 MHz
- Improved high frequency EMI shielding
- Compact design
- Easy-to-install design
- Very good price performance ratio
- For current up to 20 A
- Medical version available

superior performance

- Newest generation of power inlet filters
- Very high attenuation up to 1 GHz
- Improved high frequency EMI shielding
- Compact design
- Easy-to-install design
- Very good price performance ratio
- For current up to 20 A

UL / VDE / CSA

UL / VDE / CSA

UL / VDE / CSA

UL / VDE / CSA

250

15 (UL) / 10 (VDE)

5 μ A to 0,42 mA

(depending on capacitor value)

Capacitive

250

1 / 3 / 6 / 10

0,38 mA

5,0 μ A (medical versions)

Single stage (medical versions without y-capacitors)

250

1 / 3 / 6 / 10 / 15 / 20

0,38 mA

5,0 μ A (medical versions)

Single stage (medical versions without y-capacitors)

250

1 / 3 / 6 / 10 / 15 / 20

0,38mA

Dual stage

Screw mounting / Snap-In

IEC connector 320/C14

Screw mounting / Snap-In

IEC connector 320/C14

Screw mounting / Snap-In

IEC connector 320/C14

(1-15 A version)

IEC connector 320/C20

(20 A version)

Screw mounting

IEC connector 320/C14

(1-15 A version)

IEC connector 320/C20

(20 A version)

FASTON 6,35 mm

FASTON 6,35 mm angle 90°

PCB mount angle 90°

Wire AWG 18

FASTON 6,35 mm

FASTON 6,35 mm angle 90°

PCB mount angle 90°

FASTON 6,35 mm

FASTON 6,35 mm angle 90°

PCB mount angle 90° / additional

lead wire (AWG14) for 20 A versions

FASTON 6,35 mm

Wire AWG 18 (1-15 A versions)

Wire AWG 14 (20 A versions)

Wide banded RFI suppression for all kinds of consumer electronic application with very limited space for the suppression unit, e.g.:

- TV / Audio / Video
- Computing & accessories
- Home appliances
- Power supplies

Wide banded RFI suppression for all kinds of consumer electronic applications, e.g.:




- TV / Audio / Video
- Computing & accessories
- Home appliances
- Medical equipment
- Gambling machines
- Fitness equipment

Wide banded RFI suppression for all kinds of consumer electronic applications, e.g.:

- TV / Audio / Video
- Computing & accessories
- Home appliances
- Medical equipment
- Gambling machines
- Fitness equipment

Specially designed to attenuate noise in the high frequency range up to 1 GHz. To be used for various consumer electronic application, e.g.:

- Plasma TV
- LCD Screens
- Computing equipment & accessories

FILTER TYPE	1-phase filters / chassis mounted		
SERIES	B-series	K-series	R-series
			
PERFORMANCE	General purpose	General purpose	General purpose
Features	<ul style="list-style-type: none"> – Universal Chassis Mount Filter with different leakage current (VB; EB) for a wide range of electronic and electrical applications – Normal attenuation in mid-range-frequency – Space saving and cost effective design – Broad selection of termination styles – Suitable as clean up Filter 	<ul style="list-style-type: none"> – Comparable to B-Series, with increased symmetrical attenuation – EK-series with very low leakage current – Effective in control of line-to-line as well as line-to-ground interference 	<ul style="list-style-type: none"> – Double tuned circuit filter for low impedance loads – Low leakage current
Approvals	UL / VDE / CSA	UL / VDE / CSA	UL / VDE / CSA
ELECTRICAL PARAMETERS			
Max. voltage (VAC)	250	250	250
Current rating (A)	1 / 2 / 3 / 5 / 10 / 20 / 30	1 / 2 / 3 / 5 / 10 / 20 / 30 (EK models) 1 / 2 / 3 / 5 / 10 / 20 / 30 / 40 / 60 (VK models)	1 / 2 / 3 / 5 / 10 / 20
Leakage current each line to ground 250 VAC, 50 Hz	0,36 mA (EB-versions) 0,70 mA (VB-versions)	0,36 mA (EK-versions) 1,00 mA (VK-versions)	0,36 mA (ER-versions) 0,70 mA (VR-versions)
Electrical setup	Single stage	Single stage	Dual stage
MECHANICAL PARAMETERS			
Mounting features	Screw mounting (flange)	Screw mounting (flange / back panel)	Screw mounting (flange / back panel)
Termination input	FASTON 6,35 mm / terminal bolt & nut 8-32 / Wire AWG 18	FASTON 6,35 mm / Wire leads / IEC-connector C320/14 (1-10 A versions) / IEC-connector C320/20 (20 A versions) Terminal bolt & nut 8-32	FASTON 6,35 mm / Wire leads / IEC-connector C320/14 (1-10 A versions) Terminal bolt & nut 8-32
Termination output	FASTON 6,35 mm / Terminal bolt & nut 8-32 / Wire AWG 18	FASTON 6,35 mm / Wire leads / Terminal bolt & nut 8-32	FASTON 6,35 mm / Wire leads / Terminal bolt & nut 8-32
OTHERS			
Typical applications	Wide banded RFI suppression for all kinds of consumer electronic applications requiring low range of attenuation, e.g.: <ul style="list-style-type: none"> – TV / Audio / Video – Computing & accessories – Home appliances – Medical equipment – Gambling machines – Fitness equipment 	Universal useable filter-series for all kinds of consumer electronic applications requiring middle range of attenuation, e.g.: <ul style="list-style-type: none"> – TV / Audio / Video – Computing & accessories – Home appliances – Medical equipment – Gambling machines – Fitness equipment 	Universal useable filter-series for all kinds of low impedance loads, e.g.: <ul style="list-style-type: none"> – Motors – Semiconductor actuators – Home appliances – Gambling machines – Fitness equipment

1-phase filters / chassis mounted

DK-series

WG-series

VS-, VV-, VW-series

SK-series



General purpose

- Extended K-series
- Higher performance in line-to-line applications than the VK-series
- E-version (EDK): low leakage current
- V-version (VDK) cost effective package for applications without strict leakage current requirements

Wide range performance

- Compact tubular design
- Cost effective
- Space saving
- Different versions for fixed and moveable appliances

Wide range performance

- Available in various electronic design
- Optimized for respective impedance requirements
- Very wide range of different models in this filter-series
- Universal useable filter series

Wide range performance

- Single stage filter with very high symmetrical and asymmetrical attenuation
- Extended frequency range (effective above 10kHz)
- Uses significantly higher element values than the general purpose K-series

UL / VDE / CSA

UL / VDE / CSA

UL / VDE / CSA

UL / VDE / CSA

250
1 / 3 / 6 / 10 / 20

250
16

250
3 / 6 / 10 / 20

250
3 / 6 / 10 / 20 / 30 / 40 (VSK)

0,38mA (EDK-versions)
0,70mA (VDK-versions)

0,17 mA (A, B & C models)
0,10 mA (D, E & F models)

0,82mA

0,36 mA (3-10 A ESK-series)
0,50 mA (20-30 A ESK-series)
0,70 mA (3-10 A VSK-series)
1,25 mA (20-40 A VSK-series)

Single stage

Single stage

Dual stage

Single stage

Screw mounting (flange)

Mounting stud

Screw mounting (flange)

Screw mounting (flange / back panel)

FASTON 6,35 mm / Wire leads / Terminal bolt & nut 8-32

Wire AWG18 / FASTON 6,35 mm

FASTON 6,35 mm / Terminal bolt & nut 8-32

FASTON 6,35 mm / Wire leads / IEC-connector C320/14 (1-10A versions)
Terminal bolt & nut 8-32 / Terminal bolt & nut 10-32

FASTON 6,35 mm / Wire leads / Terminal bolt & nut 8-32

Wire AWG18 / FASTON 6,35 mm

FASTON 6,35 mm / Terminal bolt & nut 8-32



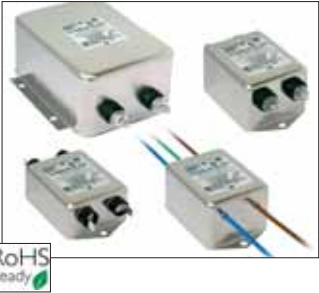
FASTON 6,35 mm / Wire leads / Terminal bolt & nut 8-32 / Terminal bolt & nut 10-32

- Universal useable filter-series for all kinds of consumer electronic applications requiring improved range of attenuation, e.g.:
- TV / Audio / Video
 - Computing & accessories
 - Home appliances
 - Medical equipment
 - Gambling machines
 - Fitness equipment

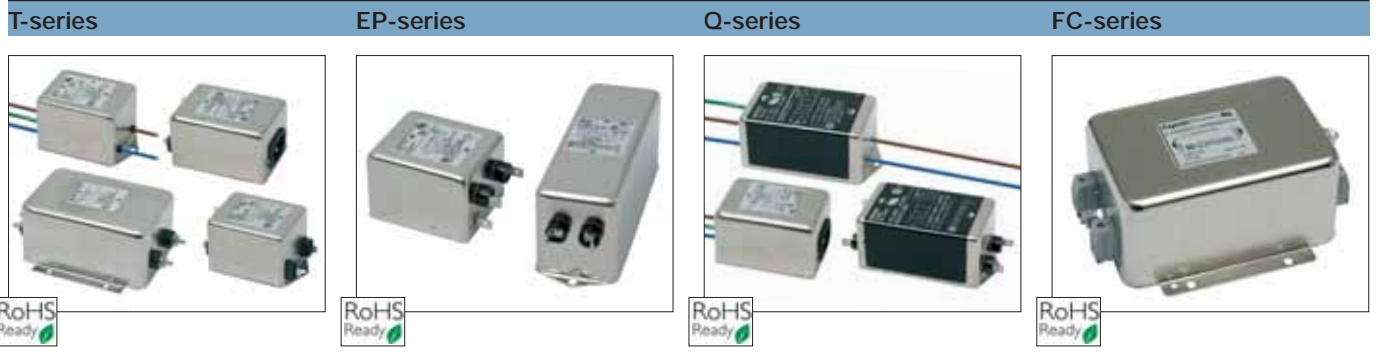
- Wide banded RFI suppression for all kinds of home appliances, specially designed for the white goods market, e.g.:
- Washing machines
 - Dishwashers
 - Refrigerators
 - Coffee machines

- Multipurpose Power Line RFI Filter for Emission control and high noise industrial environments, e.g.:
- All kinds of consumer electronic
 - Small machine tools
 - All kinds of machines for the nutrition sector (baking machines; ovens, ...)

- Universal useable filter-series for all kinds of consumer electronic applications requiring premium range of attenuation, e.g.:
- TV / Audio / Video
 - Computing & accessories
 - Home appliances
 - Medical equipment
 - Gambling machines
 - Fitness equipment

FILTER TYPE	1-phase filters / chassis mounted		
SERIES	GN-series	X-, Z-series	EMC-series
			
PERFORMANCE	Wide range performance	Wide range performance	Wide range performance
Features	<ul style="list-style-type: none"> – For increased requirements – Excellents symmetric and asymmetric attenuation – Size and cost effective solution – Very low leakage current (EG-models) – For very noisy equipment (N-models) 	<ul style="list-style-type: none"> – Compact, PC-mountable filter series – Three different performance levels – Available in plastic or metal case – Clean up filter for digital equipment 	<ul style="list-style-type: none"> – Very compact dual stage filter series – For current up to 30 A – Cost effective Design – Very high differential mode and common mode attenuation from 100 kHz – 30 MHz – Space saving design but high performance technology
Approvals	UL / VDE / CSA	UL / VDE / CSA	UL / VDE / CSA
ELECTRICAL PARAMETERS			
Max. voltage (VAC)	250	250	250
Current rating (A)	6 / 10	1 / 2 / 3 / 4 / 6	3 / 6 / 10 / 15 / 20 / 30
Leakage current each line to ground 250 VAC, 50 Hz	0,50 mA (EG-series) 2,00 mA (VG / N-series)	0,50 mA	0,43 mA (3-10 A versions) 1,52 mA (15-30 A versions)
Electrical setup	Single stage (6 A-models) Dual stage (10 A-models)	Single stage	Dual stage
MECHANICAL PARAMETERS			
Mounting features	Screw mounting (flange)	Screw mounting (EZ1 / EX1-models) PCB-mounting (EXP / EYP / EZP)	Screw mounting (flange)
Termination input	FASTON 6,35 mm	FASTON 6,35 mm / PCB-pins	FASTON 6,35 mm (3-20 A) / Wire AWG 18 (3-15 A) / terminal bolt & nut 8-32 (10-20 A) / terminal bolt & nut 10-32 (30 A)
Termination output	FASTON 6,35 mm	FASTON 6,35 mm / PCB-pins	FASTON 6,35 mm (3-20 A) / Wire AWG 18 (3-15 A) / terminal bolt & nut 8-32 (10-20 A) / terminal bolt & nut 10-32 (30 A)
OTHERS			
Typical applications	<p>RFI Filter series specially designed for most digital electronic equipment requiring a high range of symmetric and asymmetric attenuation, e.g.:</p> <ul style="list-style-type: none"> – Switching power supplies – Motordrives – Small machine tools – Industrial single phase applications 	<p>RFI Filter series specially designed to bring digital electronic equipment to level B. Ideal for all applications with limited space for the suppression unit, e.g.:</p> <ul style="list-style-type: none"> – Switching power supplies – Industrial single phase applications 	<p>Wide banded RFI suppression for all kinds of single phase applications requiring high attenuation level:</p> <ul style="list-style-type: none"> – All kinds of consumer electronic – Single phase industrial applications <p>Ideal for inverters and switching power supplies with current up to 30 A</p>

1-phase filters / chassis mounted


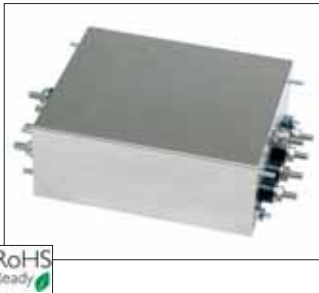



Superior performance	Superior performance	Superior performance	Superior performance
<ul style="list-style-type: none"> – Optimized filter with special regard to attenuation and size – Very high symmetrical and asymmetrical attenuation above 10 kHz – Low leakage current – Medical versions available (EHT) 	<ul style="list-style-type: none"> – High insertion loss for line-to-line and line-to-ground emissions – Designed to meet the very stringent level B – EP-models with very low leakage current – New 7 and 12 A versions offer higher performance in a smaller package at a low price 	<ul style="list-style-type: none"> – Very high attenuation and low leakage current also at high current transients – Optimized filter regarding symmetrical and asymmetrical attenuation in the broad frequency range between 10 kHz and 30 MHz – Medical versions available 	<ul style="list-style-type: none"> – High performance single phase filter for industrial applications – Highest symmetrical and asymmetrical attenuation over the complete frequency range – Insulated safety terminals – Ideal for EMC trouble shooting and refurbishing in the field
UL / VDE / CSA	UL / VDE / CSA	UL / VDE / CSA	UL (6-50 A) / VDE (6-36 A)

250	250	250	250
3 / 6 / 10 / 15 / 20	3 / 6 / 7 / 10 / 12 / 20	3 / 6 / 20	6 / 12 / 16 / 25 / 36 / 50
0,50 mA (ET-versions)	0,36 mA (EP-versions)	0,38 mA (EQ versions 3; 20 A)	5,2 mA (6-36 A dual stage version)
1,25 mA (VT-versions 3-10 A)	1,27 mA (VP-versions)	0,51 mA (EQ versions 6 A)	6,5 mA (50 A dual stage version)
2,00 mA (VT-versions 15-20 A)		1,27 mA (VQ versions 3; 20 A)	7,0 mA (6-50 A single stage version)
5 µA (medical versions EHT)		5 µA (medical versions EHT)	
Single stage (3-6 A versions)	Dual stage	Dual stage (medical versions without y-capacitors)	Dual stage
Dual stage (10-20 A versions)			Single stage (B-versions)
medical versions without y-capacitors			

Screw mounting (flange / back panel)	Srew mounting (flange / back panel)	Srew mounting (flange / back panel)	Screw mounting (flange)
FASTON 6,35 mm / Wire AWG 18 (3-10 A versions / terminal bolt & nut 8-32 (15-20 A versions) / IEC connector 320/C14 (3-6 A versions 7)	FASTON 6,35 mm / Wire (3-12 A versions) / terminal bolt & nut 8-32 (20 A versions) / IEC connector 320/C14 (3 A versions)	FASTON 6,35 mm / Wire AWG 18 (3-6 A versions) / IEC-connector 320/C14 (3-6 A versions)	Screw type terminal 4 mm ² (6-16 A) screw type terminal 6 mm ² (25-50 A)
FASTON 6,35 mm / Wire AWG 18 (3-10 A versions / terminal bolt & nut 8-32 (15-20 A versions)	FASTON 6,35 mm / Wire (3-12 A versions) / terminal bolt & nut 8-32 (20 A versions)	FASTON 6,35 mm / Wire AWG 18	Screw type terminal 4 mm ² (6-16 A) Screw type terminal 6 mm ² (25-50 A)

<p>Wide banded attenuation for applications with very high RFI emissions, e.g.:</p> <ul style="list-style-type: none"> – All kinds of consumer electronic – Single phase industrial applications, specially all kinds of motor drives 	<p>Wide banded attenuation for applications with very high RFI emissions. This filter-series offers excellent attenuation. Useable for e.g.:</p> <ul style="list-style-type: none"> – All kinds of consumer electronic – Single phase industrial applications, specially all kinds of motor drives 	<p>Trouble shooter for wide banded RFI suppression of applications with very high RFI emissions, e.g.:</p> <ul style="list-style-type: none"> – All kinds of consumer electronic – Single phase industrial applications, specially all kinds of switching power supplies with transient currents 	<p>Wide banded RFI suppression of industrial single phase applications with very high RFI emissions, specially:</p> <ul style="list-style-type: none"> – FC-drives with long motor-cables – Various variable speed motor drive applications
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FILTER TYPE	3-phase filters / chassis mounted		
SERIES	AYO-series	A-series	AYA-series
			
PERFORMANCE	General purpose	Wide range performance	Wide range performance
Features	<ul style="list-style-type: none"> – Cost effective 3-phase-filter series for 3-phase, four wire – Good attenuation beginning at 100 kHz – Space saving design – Easy to connect design – Low leakage current 	<ul style="list-style-type: none"> – Filter series designed for 3-phase, four wire, WYE wiring applications – High attenuation over the complete frequency range – Integrated ground-inductor – Effective by symmetrical and asymmetrical load from 50 kHz to 30 MHz – Shielded construction 	<ul style="list-style-type: none"> – Filter series designed for 3-phase, four wire, WYE wiring applications – Cost effective, universal useable filter series – Good attenuation over the complete frequency range – Two different mounting styles available
Approvals	UL / VDE / CSA	UL / CSA / VDE up to 30 A	UL (440 VAC 16-50 A)
ELECTRICAL PARAMETERS			
Max. voltage (VAC)	440	440	480
Current rating (A)	3 / 6 / 10 / 20	20 / 30 / 45 / 60	16 / 25 / 36 / 50
Leakage current each line to ground 250 VAC, 50 Hz * voltage from virtual neutral to ground	3,0 mA (3-10 A versions) 5,5 mA (20 A version)	3,40 mA	2, 82 mA
Electrical setup	Single stage	Single stage (AYP6C-versions) Dual stage (AYT6C-versions)	Single stage
MECHANICAL PARAMETERS			
Mounting features	Screw mounting (flange)	Screw mounting 8/32 (front & back side)	Screw mounting flange Screw mounting by inserts
Termination input	FASTON 6,35 mm	Terminal bolt & nut 1/4 x 20	Terminal bolt & nut: 8-32 (16 & 25AYA6/A) / 10-32 (36AYA6/A) 1/4-20 (50AYA6/A) Screw type terminals: 6 mm ² (16 A) / 10 mm ² (36 A) / 16 mm ² (63 A)
Termination output	FASTON 6,35 mm	Terminal bolt & nut 1/4 x 20	Terminal bolt & nut: 8-32 (16 & 25AYA6/A) / 10-32 (36AYA6/A) 1/4-20 (50AYA6/A) Screw type terminals: 6 mm ² (16 A) 10 mm ² (36 A) / 16 mm ² (63 A)
OTHERS			
Typical applications	<p>Wide banded RFI suppression for general purpose 3-phase applications with low to middle RFI emissions, e.g.:</p> <ul style="list-style-type: none"> – Vending machines – All kinds of machines for the nutrition sector (baking machines, ovens, ...) – Gambling machines – Small machine tools 	<p>Wide banded RFI suppression for industrial 3-phase applications with high noise emissions (AYP-models) and lower noise emission (AYT-models), e.g.:</p> <ul style="list-style-type: none"> – All kinds of big machine tools – Special custom made machines – Input filter for motor drives 	<p>Universal useable filter series equipped with 2 different connecting versions. To be used in various industrial 3-phase applications with low to middle noise emissions, e.g.:</p> <ul style="list-style-type: none"> – Uninterruptible power supplies – Industrial control systems – Machine tools

3-phase filters / chassis mounted

















Wide range performance	Superior performance	Superior performance	Superior performance
<ul style="list-style-type: none"> – Universal high current filter for industrial applications up to 700 A – High quality aluminium case – Available in two operating voltages 	<ul style="list-style-type: none"> – Filter series with very high insertion loss for industrial Delta applications – Available with common or differential (S-models) coils for the correct protection to fit the application – Hermetically sealed metal sheet case – Corrosion protected 	<ul style="list-style-type: none"> – Bookform Filter with insulated safety terminals – Very high attenuation over the whole frequency range from 10 kHz to 30 MHz – Ideal for EMC trouble shooting and refurbishing in the field – Very high insertion loss 	<ul style="list-style-type: none"> – Bookform filter with insulated safety terminals – Very compact size – Low weight – Very high attenuation in the frequency range between 100 kHz and 30 MHz – Low leakage current – High insertion loss
UL (400 A version)	UL		UL / ENEC

480 / 520	480	480	480
300 / 400 / 500 / 600 / 700 /	63 / 100 / 160 / 200	6 / 12/ 16 / 25 / 36 / 50 / 63 / 80 / 110 / 130 / 150 / 180 / 230	7 / 16 / 30 / 42 / 55 / 75 / 100 / 130 / 180
39,00 mA	0,76 A (ADT6) 1,5 A (63 ADT6S) 2,7 A (100-200 ADT6S)	0,26 mA/V (6 A versions)* 0,45 mA/V (12-16 A versions)* 0,52 mA/V (25-63 A versions)* 3,25 mA/V (80-230 A versions)*	1 mA/V*
Dual stage	Single stage with feedthrough capacitors	Single stage	Single stage

Srew mounting (flange)	Screw mounting (flange + front side)	Srew mounting (flange)	Screw mounting (flange)
Busbars (copper)	Terminal & nuts: 3/8-16 (63 & 100 A versions) 7/16-20 (160 & 200 A versions)	Insulated screw type terminals 4 mm ² (6-12 A) / 6 mm ² (16A) / 10 mm ² (25-36 A) / 25 mm ² (50-63 A) / 50 mm ² (80-150 A) / 95 mm ² (180-230 A)	Insulated screw type terminals 4 mm ² (7; 16A) / 6 mm ² (30 A) / 10 mm ² (42 A) / 16 mm ² (55 A) / 25 mm ² (75 A) / 50 mm ² (100; 130 A) / 95 mm ² (180 A)
Busbars (copper)	Terminal & nuts: 3/8-16 (63 & 100 A versions) 7/16-20 (160 & 200 A versions)	Insulated screw type terminals 4 mm ² (6-12 A) / 6 mm ² (16A) / 10 mm ² (25-36 A) / 25 mm ² (50-63 A) / 50 mm ² (80-150 A) / 95 mm ² (180-230 A)	Insulated screw type terminals 4 mm ² (7; 16A) / 6 mm ² (30 A) / 10 mm ² (42 A) / 16 mm ² (55 A) / 25 mm ² (75 A) / 50 mm ² (100; 130 A) / 95 mm ² (180 A)

Universal useable for all kinds of big, heavy, high current industrial applications; e.g.: <ul style="list-style-type: none"> – Machine tools – Welding machines – Industrial pressing machines 	Ideal for all kinds of industrial 3-phase applications with exorbitant high noise emissions, e.g.: <ul style="list-style-type: none"> – High current motor drives – Spot-welding machines Also useable as "Trouble-shooter" for very difficult suppression problems	Specially suited for regeneration systems of returning power. Wide banded RFI suppression for all industrial 3-phase applications with very high RFI emissions, e.g.: <ul style="list-style-type: none"> – Machine tools – Elevators, escalators, ... – Frequency converters – Motor drives 	Wide banded RFI suppression for all industrial 3-phase applications with high RFI emissions, e.g.: <ul style="list-style-type: none"> – All kinds of machine tools – Drives – Frequency converters with long motor cables Optimized for use in industrial cabinets
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FILTER TYPE	3-phase filters / chassis mounted		
SERIES	FCD-series	FCD10BS-series	AYC-series
	 	 	 
PERFORMANCE	Superior performance	Superior performance	Superior performance
Features	<ul style="list-style-type: none"> – Suitable to meet the latest EMC standards – Insulated safety terminals – Ideal for EMC troubleshooting and refurbishing in the field – Very high attenuation – Low leakage current – High insertion loss 	<ul style="list-style-type: none"> – Filter series with very high insertion loss – Specially designed for all kinds of industrial applications requiring a very high level of asymmetrical attenuation in the very low frequency range between 10 - 100 kHz 	<ul style="list-style-type: none"> – 3-phase plus neutral filter – Very high attenuation – Low leakage current – Ideal for EMC troubleshooting and refurbishing in the field
Approvals	UL	UL (in process)	UL (16- 180 A)
ELECTRICAL PARAMETERS			
Max. voltage (VAC)	480	480	480
Current rating (A)	6 / 12 / 25 / 36 / 50 (FCD10) 12 / 16 / 25 / 36 / 50 / 80 / 110 / 150 / 180 / 200 / 230 (FCD10B)	36 / 50 / 80 / 110 / 150 / 180 / 230	16 / 25 / 36 / 63 / 80 / 110 / 150 / 180 / 200
Leakage current each line to ground 250 VAC, 50 Hz * voltage from virtual neutral to ground	0,26 mA/V (6 A versions)* 0,45 mA/V (12-16 A versions)* 0,52 mA/V (25-50 A versions)* 0,63 mA/V (80-150 A versions)* 0,92 mA/V (180-230 A versions)*	3,25 mA/V*	0,70 mA/V (16-150 A versions)* 1,05 mA/V (180-200 A version)*
Electrical setup	Single stage (FCD10B) Dual stage (FCD10)	Single stage	Single stage
MECHANICAL PARAMETERS			
Mounting features	Screw mounting (flange)	Screw mounting (flange)	Screw mounting (flange)
Termination input	Insulated screw type terminals 4 mm ² (6-16 A) / 6 mm ² (25-36 A) 10 mm ² (50 A) / 50 mm ² (80-150 A) 95 mm ² (150-230 A)	Insulated screw type terminals: 16 mm ² (36 & 50 A) / 50 mm ² (80-150 A) / 95 mm ² (180 & 230 A)	Insulated screw type terminals 4 mm ² (16 A) / 6 mm ² (25 A) 10 mm ² (36 A) / 16 mm ² (63 A) 50 mm ² (80-150 A) / 95 mm ² (180-200 A)
Termination output	Insulated screw type terminals 4 mm ² (6-16 A) / 6 mm ² (25-36 A) 10 mm ² (50 A) / 50 mm ² (80-150 A) 95 mm ² (150-230 A)	Insulated screw type terminals: 16 mm ² (36 & 50 A) / 50 mm ² (80-150 A) / 95 mm ² (180 & 230 A)	Insulated screw type terminals 4 mm ² (16 A) / 6 mm ² (25 A) 10 mm ² (36 A) / 16 mm ² (63 A) 50 mm ² (80-150 A) / 95 mm ² (180-200 A)
OTHERS			
Typical applications	Wide banded RFI suppression for all industrial 3-phase applications with very high RFI emissions, e.g.: <ul style="list-style-type: none"> – Machine tools – Elevators, escalators, ... – Frequency converters – Electrical drives – Industrial cabinets 	Optimized filter series for all kinds of industrial 3-phase applications using infeed/regenerative (ER)-modules, e.g.: <ul style="list-style-type: none"> – Machine tools – Frequency converters – Automation & Drives technologies – Industrial cabinets 	Wide banded RFI suppression for all wye applications with very high RFI emissions, e.g.: <ul style="list-style-type: none"> – Frequency converters with very long motor cables – Machine tools Optimized filter series for the use in industrial cabinets

2-phase filters	PCB filters	High frequency filters	IEC outlet filters
IK-series	EBP-, EDP-, EOP-series	AQ-series	EBF-series
			
			
Wide range performance	General purpose	Superior performance	Wide range performance
<ul style="list-style-type: none"> – Specially designed for industrial 2-phase applications – Wide range performance 2-phase Filter – Good attenuation over the complete frequency rang – Unique filter series because of original custom made design – 11K1C available with ground choke 	<ul style="list-style-type: none"> – PCB filter for different needs – Very compact design – Low weight – Good attenuation (common mode & differential mode) – Cost effective alternative to on board units" 	<ul style="list-style-type: none"> – The AQ-series provide a cost effective solution to meet tempest requirements – Available in different configurations (IEC-connector / switch / fuse) – High symmetrical and asymmetrical performance from 10 kHz to 1 GHz 	<ul style="list-style-type: none"> – Accessory outlet filter – Good attenuation across the complete frequency range – Low leakage current – Grounded connection
	UL / VDE / CSA (only EDP and EOP)	UL / CSA	UL / VDE / CSA
480	250	250	250
1 / 6 / 16 / 35 / 50 / 80	1 / 3 / 6 / 10	3 / 6	1 / 3 / 6 / 10
1,20 mA (1 & 6 A versions) 3,20 mA (16-50 A versions) 7,90 mA (80 A version)	0,38 mA	2,30 mA (3 A-models) 1,20 mA (6 A-models)	0,50mA
Dual stage (6-80 A versions) Dual stage + ground choke (1 A version)	Single stage	Multi stage	Single stage
Screw mounting (flange)	PCB mountable (Pins)	Screw mounting (flange / inserts / back panel)	Screw mounting
FASTON 6,35 mm (1 & 6 A version) screw type terminals 6 mm ² (16 & 35 A) screw type terminals 25 mm ² (50 & 80 A)	PCB Pins 0,6 x 0,6 mm	IEC-connector / wire	IEC socket 320/F
FASTON 6,35 mm (1 & 6 A version) wire AWG 12 (16 & 35 A) Screw type terminals 25 mm ² (50 & 80 A)	PCB Pins 0,6 x 0,6 mm	Wire	FASTON 6,35 mm / Wire (AWG 18)
Wide banded RFI suppression of industrial 2-phase applications with high RFI emissions, e.g.: – Transportation bands – Site applications – Small construction machinery (concrete mixers; ...)	Designed for "on board mounting" for various different applications, e.g.: – Gambling machines – Cash terminals – Office equipment – Various small consumer electronics applications	Ideal filter-series for hardened computer applications, where computers are used to process secrete or confidential information. The filters of the AQ-series protect these systems against misuse by unauthorized personnel	Specially designed to connect accessories while filtering noise between the system and the accessories attached. To be used for all kinds of consumer electronics, e.g.: – Computing & accessories – TV / Audio / Video

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