



Typical Applications	Automotive – Hybrid vehicles – Fuel-cell vehicles – DC/DC converters for the 42V supply – Chargers for electric vehicles – Emitters and receivers for sensors etc.	EDP & Office – PCs – Printers – PC periphery – Fax machines – Copy machines – Monitors – Plotters – Mainframe computers	Drives & Controls – Frequency inverters – Current converters – Servo drives – Converters for energy regeneration – AC/DC converters – Solar converters – Thyristor controllers	Process Automation – Robotics – Conveyors – Assembly lines – Pumps – Control units – Mining industry – Chemical industry – Oil production – Metal processing	Elevators & Cranes – Elevators for people and goods – Escalators – Cranes – Lifts – Hoists – Dumbwaiters
Feedthrough Components 	Customized feedthrough solutions for automotive applications	FN 756x (page 1) FN 766x (page 1)		FN 751x (page 1) FN 761x (page 1)	
PCB Filters 	Customized PCB filters for automotive applications	FN 402 (page 2) FN 405 (page 2) FN 406 (page 2) FN 410 (page 2)			
IEC Inlet Filters 		FN 9222 (page 3) FN 9226 (page 3) FN 9260 (page 3) FN 280 (page 3) FN 390 (page 3)			
Single-Phase Filters 	Custom designs for alternative automotive technologies	FN 343 (page 5) FN 6xx (page 4/5) FN 2020 (page 4) FN 2060 (page 5) FN 23x0 (page 4/5)	FN 350 (page 4) FN 2070 (page 5) FN 2080 (page 5) FN 2410 (page 4) FN 2412 (page 4) FN 967x (page 4)	FN 350 (page 4) FN 2070 (page 5) FN 2080 (page 5) FN 2410 (page 4) FN 2412 (page 4) FN 2415 (page 5)	FN 670 (page 5) FN 680 (page 5) FN 685 (page 5) FN 2070 (page 5) FN 2080 (page 5) FN 241x (page 4/5)
Three-Phase Filters 		FN 3258 (page 6)	FN 258 (page 6) FN 351 (page 6) FN 3100 (page 6) FN 3258 (page 6) FN 3270 (page 6) FN 3359 (page 6)	FN 258 (page 6) FN 3100 (page 6) FN 3120 (page 6) FN 3258 (page 6) FN 3275 (page 6) FN 3359 (page 6)	FN 258 (page 6) FN 3100 (page 6) FN 3258 (page 6)
Three-Phase and Neutral Line Filters 		FN 256 (page 7) FN 354 (page 7) FN 355 (page 7) FN 3256 (page 7)	FN 256 (page 7) FN 356 (page 7) FN 3256 (page 7) FN 3280 (page 7)	FN 356 (page 7) FN 3256 (page 7) FN 3280 (page 7)	
Output Filters and Load Reactors 			RWK 305 (page 8) FN 5x0 (page 8) FN 50xx (page 8)	RWK 305 (page 8) FN 510 (page 8) FN 5010 (page 8) FN 5020 (page 8) FN 5030 (page 8)	RWK 305 (page 8) FN 510 (page 8) FN 520 (page 8) FN 5010 (page 8)
Line Reactors and Harmonics Filters 	Customized reactor solutions for alternative automotive technologies	FN 3400 (page 6)	RWK 212 (page 6) RWK 213 (page 6) FN 3400 (page 6)	RWK 212 (page 6) FN 3400 (page 6)	RWK 212 (page 6) FN 3400 (page 6)
RFI Suppression Chokes 	RN series (page 9) Custom chokes	EV/EH series (page 9) RD series (page 9) RN series (page 9)	RD series (page 9) RI series (page 9)	RD series (page 9)	RD series (page 9)
Pulse Transformers 	Customized transducers	IT series (page 10/11)	IT series (page 10/11)		

This illustration only contains a few typical products and applications. Schaffner is also active in numerous other industry segments. Most standard components can be customized to meet special requirements. For more information and support please go to www.schaffner.com to find your local partner within Schaffner's global network.







Consumer Goods – Amplifyers, audio, video, TV, screens – Receivers, decoders – Laundry machines – Tumblers – Cooking equipment – Induction heaters – Exercise machines – Coffee machines	**Medical** – X-ray – CAT scanners – Defilibrators – Laboratory equipment – Analysers – Measurement devices – MRI, MSI, EEG, ECG – Test equipment	**Military** – Security systems – Surveillance – Communication equipment – Aircraft, ships, tanks, submarines – Radar systems – Navigation systems	**Building Automation** – Heating – Ventilation – Air conditioning – Security systems – Control units – Pumps – Self-ballasted lighting equipment – Autom. window shades	**Power Generation & Supply** – SMPS, UPS – DC/DC converters – Gen-sets – Wind turbines – Solar panels – Fuel cells – Gas turbines – Power factor control	**Telecom/Datacom** – Base stations for GSM, UMTS, GPRS – Power line communications – Network technology – Servers – Telephone installations – Broadcast installations	**Machinery** – Machine tools – Printing machines – Packaging machines – Extruders – Wood working mach. – Milling/drilling mach. – Laser cutting machines – Welding machines – Grinding machines
	FN 751x (page 1) FN 756x (page 1) FN 761x (page 1) FN 766x (page 1)	FN 751x (page 1) FN 756x (page 1) FN 761x (page 1) FN 766x (page 1) ACARA AFC (page 1)		FN 751x (page 1) FN 756x (page 1) FN 761x (page 1) FN 766x (page 1) ACARA AFC (page 1)	FN 751x (page 1) FN 756x (page 1) FN 761x (page 1) FN 766x (page 1) ACARA AFC (page 1)	FN 751x (page 1) FN 761x (page 1)
FN 402 (page 2) FN 405 (page 2) FN 406 (page 2) FN 410 (page 2)	FN 402B (page 2) FN 406B (page 2)	FN 406 (page 2) FN 410 (page 2)	FN 406 (page 2) FN 410 (page 2)	FN 402 (page 2) FN 405 (page 2) FN 406 (page 2) FN 409 (page 2) FN 410 (page 2)	FN 409 (page 2)	
FN 32x (page 3) FN 9222 (page 3) FN 9260 (page 3) FN 280 (page 3) FN 3x0 (page 3)	FN 329B (page 3) FN 9222B (page 3) FN 9246B (page 3) FN 9260B (page 3) FN 280B (page 3)	Customized filter solutions with military connectors	FN 9246 (page 3)	FN 922x (page 3) FN 9246 (page 3) FN 9260 (page 3) FN 280 (page 3) FN 3x0 (page 3)	FN 9246 (page 3)	
FN 332 (page 4) FN 6xx (page 4/5) FN 20x0 (page 4/5) FN 23x0 (page 4/5)	FN 332 (page 4) FN 20x0B (page 4/5) FN 2360 (page 5) FN 700Z (page 5)	FN 352Z (page 5) FN 700Z (page 5)	FN 350 (page 4) FN 660 (page 5) FN 670 (page 5) FN 2060 (page 5) FN 2070 (page 5)	FN 660 (page 5) FN 670 (page 5) FN 2060 (page 5) FN 2070 (page 5) FN 967x (page 4)	FN 700Z (page 5) FN 6020 Customized single-phase telecom filters	FN 350 (page 4) FN 2070 (page 5) FN 2080 (page 5) FN 2410 (page 4) FN 2412 (page 4) FN 2415 (page 5)
FN 3258 (page 6)	FN 258P (page 6) FN 258L (page 6)	FN 258 (page 6) FN 3258 (page 6) FN 3359 (page 6)	FN 258 (page 6) FN 351 (page 6) FN 3258 (page 6)	FN 258 (page 6) FN 3100 (page 6) FN 3120 (page 6) FN 3258 (page 6) FN 3359 (page 6)	FN 6030 Customized three-phase telecom filters	FN 258 (page 6) FN 3100 (page 6) FN 3120 (page 6) FN 3258 (page 6) FN 3275 (page 6) FN 3359 (page6)
FN 256 (page 7) FN 354 (page 7) FN 355 (page 7)	FN 256 (page 7) FN 354 (page 7) FN 355 (page 7)	FN 354 (page 7)	FN 256 (page 7) FN 3256 (page 7)	FN 256 (page 7) FN 356 (page 7) FN 3256 (page 7) FN 3280 (page 7)	FN 256 (page 7) FN 354 (page 7)	FN 356 (page 7) FN 3256 (page 7) FN 3280 (page 7)
		RWK 305 (page 8) FN 510 (page 8) FN 520 (page 8) FN 530 (page 8)	RWK 305 (page 8) FN 510 (page 8) FN 5010 (page 8)	Customized reactor and filter solutions for (alternative) energy production and feeding power into the network		RWK 305 (page 8) FN 510 (page 8)
FN 3400 (page 6)	FN 3400 (page 6)	RWK 212 (page 6)	FN 3400 (page 6)	Customized reactor and filter solutions for (alternative) energy production and feeding power into the network		RWK 212 (page 6) RWK 213 (page 6) FN 3400 (page 6)
EV/EH series (page 9) RD series (page 9) RN series (page 9)	EV/EH series (page 9) RD series (page 9) RN series (page 9)	RD series (page 9) RN series (page 9)	EV/EH series (page 9) RD series (page 9) RI series (page 9) RN series (page 9)	EV/EH series (page 9) RD series (page 9) RN series (page 9)	EV/EH series (page 9) RN series (page 9)	RD series (page 9)
	IT series (page 10/11)	IT series (page 10/11)	IT series (page 10/11)	IT series (page 10/11)	IT series (page 10/11)	

Feedthrough Components. Interference suppression up into the GHz range for high-tech applications such as IT, telecom, server and networking equipment.

Capacitance [nF]
Current rating [A]
Attenuation performance

Feedthrough Capacitors	Max. Voltage	0 1000 2000 3000 4000 5000 0 50 100 150 200 250	Features: AC capacitors	DC capacitors	AC filters	DC filters	Very high performance	Y2 capacitor class	Y4 capacitor class		Typical Applications: Medical equipment	Professional power supply	Power electronic equipment	Telecommunication	Military (radar, communic.)	Aeronautic	Security systems	IT, server and network
FN 7510	300VAC	2.2 - 100 10 250	■					■			■	■	■	■	■			
FN 7511	300VAC	4.7 - 220 10 250	■					■			■	■	■	■	■			■
FN 7512	300VAC	33 - 470 16 250	■					■			■	■	■	■	■		■	■
FN 7513	300VAC	47 1000 16 250	■				■	■			■	■	■	■	■	■	■	■
FN 7560	130VDC	10 1000 10 250		■					■		■	■	■	■	■			
FN 7561	130VDC	47 3300 16 250		■					■		■	■	■	■	■	■		■
FN 7562	130VDC	100 - 1000 16 200		■					■		■	■	■	■		■	■	■
FN 7563	130VDC	470 4700 16 200		■			■		■		■	■	■	■	■	■	■	■
ACARA AFC	300VAC	100 2100 65 250	■	■				■	■			■		■	■		■	■
Feedthrough Filters		standard high very high																
FN 7611	300VAC	10 250			■			■			■	■	■	■				■
FN 7612	300VAC	10 250			■		■	■			■	■	■	■	■	■	■	■
FN 7660	130VDC	10 200				■			■		■	■	■	■				■
FN 7661	130VDC	10 200				■			■		■	■	■	■	■	■	■	■

IEC Inlet Filters.

All the advantages of IEC connector, EMI filter, fuses, switch and voltage selector combined in a powerful compact all-in-one solution. Ideal for computers, monitors and office equipment like printers and copy machines.

Filter Family	Max. Voltage	Attenuation performance / Current rating [A] (standard / high / very high; 0 4 8 12 16 20)	Features: With earth line choke	For fuse(s)	With switch	With voltage selector	IEC 950-compliant	For PCB mounting	Snap-in version	Typical Applications: IT equipment	Medical equipment	Switch mode power supply	Office equipment	Prof. audio, TV, VCR	Telecommunication	Light industrial equipment	General purpose
FN 321 	250VAC	1 – 10					■			■		■	■	■		■	
FN 329 	250VAC	1 – 6	■				■			■	■		■	■	■		
FN 9222 	250VAC	1 – 20					■		■	■	■	■	■	■	■	■	■
FN 9226 	250VAC	1 – 10					■	■		■	■		■	■	■		■
FN 9246 	250VAC	1 – 20					■				■	■	■	■	■	■	
FN 9260 	250VAC	1 – 10		■			■		■		■		■	■	■		■
FN 280 	250VAC	1 – 10		■	■		■		■	■	■		■	■	■	■	■
FN 370 	250VAC	2 – 6		■		■	■		■	■	■		■	■	■		■
FN 380 	250VAC	2 – 6		■	■		■		■	■	■		■	■	■		■
FN 390 	250VAC	1 – 6	■	■	■	■	■			■	■		■	■	■	■	■
FN 1390 	250VAC	1 – 10	■	■	■	■	■			■	■		■	■	■	■	

Single-Phase Filters for Chassis Mounting.

Single-phase filters for chassis mounting are key for EMC compliance of higher power office equipment and low to medium power industrial applications. A broad selection of electrical and mechanical features allows a specific choice and deployment for countless applications.

Filter Family	Max. Voltage	Attenuation performance / Current rating [A] (standard 0–40, high 40–80, very high 80–100)	Features: 1-stage filter circuit	2-stage filter circuit	3-stage filter circuit	With earth line choke	With over voltage protection	Low frequency attenuation	High frequency attenuation	Choice of connection style	DIN rail mounting	Typical Applications: Power supplies, SMPS	Medical equipment	Single-phase motor drives	Control unit in machine tools	Military applications	Office, test & measure. equip.	General purpose
FN 332	250VAC	1 - 10	■				■			■			■					■
FN 350	250VAC	8 – 55	■									■		■			■	
FN 610	250VAC	1 – 30	■							■			■					■
FN 612	250VAC	1 – 100	■										■				■	■
FN 2010	250VAC	1 – 60	■							■			■					■
FN 2020	250VAC	1 – 60	■							■			■				■	■
FN 2310	250VAC	3 - 10	■														■	■
FN 2330	250VAC	3 – 20	■														■	■
FN 2340	250VAC	2 – 20	■															■
FN 2410	250VAC 520VAC (H)	8 – 100	■					■				■		■				
FN 2412	250VAC 520VAC (H)	8 – 45	■					■			■	■		■	■			
FN 9675/76	250VAC	3 – 16	■									■		■			■	

EN 133'200
IEC 60'939

Attenuation performance
Current rating [A]

standard | high | very high

0 20 40 60 80 100

Filter Family	Max. Voltage	Features									Typical Applications						
		1-stage filter circuit	2-stage filter circuit	3-stage filter circuit	With earth line choke	With over voltage protection	Low frequency attenuation	High frequency attenuation	Choice of connection style	NEMP, TEMPEST protection	Power supplies, SMPS	Medical equipment	Single-phase motor drives	Control unit in machine tools	Military applications	Office, test & measure. equip.	General purpose
FN 343 	250VAC		■		■											■	■
FN 660 	250VAC		■						■		■	■				■	■
FN 670 	250VAC		■					■	■		■		■			■	
FN 680 	250VAC		■				■		■		■		■			■	
FN 685 	250VAC		■				■		■		■		■				
FN 2060 	250VAC		■						■		■	■				■	■
FN 2070 	250VAC		■					■	■		■	■	■			■	
FN 2080 	250VAC		■				■		■		■	■	■				
FN 2320 	250VAC		■													■	■
FN 2350 	250VAC		■													■	■
FN 2360 	250VAC		■								■	■				■	■
FN 2415 	250VAC		■										■	■			
FN 352Z 	250VAC			■		■		■			■				■	■	
FN 700Z 	250VAC			■		■	■	■		■	■	■			■	■	

Three-Phase Filters and Line Reactors.

EMC filter solutions for industrial applications like motor drives and machine tools. Furthermore, these types of filters are also suitable for mainframe computer systems, large uninterruptible power supplies, medical equipment, wind turbine power stations and a vast array of other three-phase power electronics. Line reactors and harmonics filters, also operated on the line side of power drive systems, efficiently protect inverter electronics and DC link capacitors from inrush, peak and short-circuit currents. Additionally, low-frequency interference and harmonics are reduced significantly.

EN 133'200
IEC 60'939

Attenuation performance
Current rating [A]

standard | high | very high

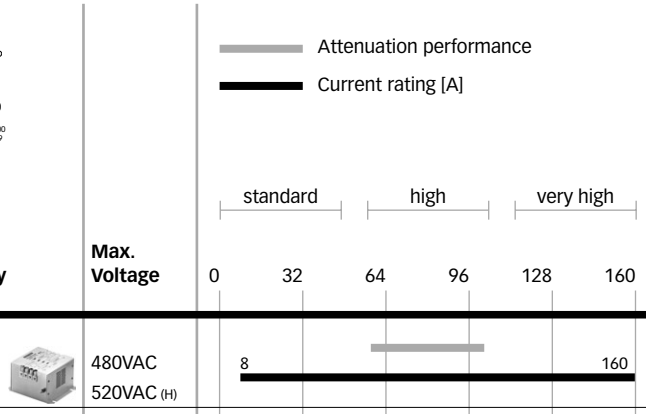
0 | 200 | 400 | 600 | 800 | >1000

Filter Family	Max. Voltage	Current rating [A]	Features: Multi-stage filter circuit	Safety connector blocks	Busbar connection	Optional protective covers	Offering EMC compliance	Less commutation notches	Form factor (I) improvement	Inrush current limitation	Harmonics reduction	4% impedance	2% impedance	Typ. Applications: Inverters, servo drives	Energy regeneration drives	Machinery, machine tools	Industrial automation	General purpose
FN 258 	480VAC 690VAC (HV)	7 – 250	■	■			■							■		■	■	■
FN 351 	440VAC 520VAC (H)	5 – 280		■			■							■			■	■
FN 3100/3110 	520VAC (3100) 480VAC (3110)	35 – 300		■			■							■	■	■	■	
FN 3120 	520VAC (H)	25 – 230		■			■							■	■	■	■	
FN 3258 	480VAC 520VAC (H)	7 – 180		■			■							■			■	■
FN 3270 	520VAC (H)	10 – 1000		■	■	■	■							■			■	■
FN 3275 	520VAC (H)	10 – 1000		■	■	■	■									■	■	■
FN 3359 	520VAC 690VAC (HV)	150 – 2500	■		■	■	■							■	■	■	■	
FN 3400 	480VAC	8 - 24	■	■			■	■	■	■	■	■		■		■	■	■
RWK 212 	500VAC	2 – 2300		■	■			■	■	■	■	■		■		■	■	■
RWK 213 	500VAC	60 – 500		■	■			■	■	■	■		■	■		■	■	■

Three-Phase and Neutral Line Filters.

Three-phase and neutral line filters are a compact solution for the interference suppression on the mains input of cabinets and control units of equipment, ranging from industrial applications like machine tools to sensitive medical installations. These typically involve separate and often insufficiently filtered frequency inverters and SMPS, causing current imbalance and significant interference problems. As individual elements they may be interference-suppressed already. The conjunction of several switching components in the same cabinet and a non-EMC conscious cabling will rise the demand for an additional EMC filter on the mains input of the whole installation. Many times this is the only way to get the CE mark for the cabinet in accordance with the EMC directive.

EN 133'200
IEC 60'939



Filter Family	Max. Voltage	Features								Typical Applications							
		1-stage filter circuit	2-stage filter circuit	Safety connector blocks	Faston connectors	Offering EMC compliance	For asymmetrical loads	Broadband attenuation	Very low leakage current	For entire systems, install.	Machinery, machine tools	Industrial automation	Power supply	Medical equipment	For high frequency appl.	High power office equipment	General purpose
FN 256	480VAC 520VAC (H)	■				■	■			■			■	■		■	■
FN 354	440VAC		■		■	■		■					■	■	■	■	■
FN 355	440VAC	■			■	■			■					■		■	■
FN 356	440VAC	■		■		■	■			■		■	■				
FN 3256	520VAC (H)	■		■		■	■			■	■	■	■			■	■
FN 3280	520VAC (H)		■	■		■	■	■		■	■	■	■				

Output Filters and Load Reactors for Motor Drives.

Output components for motor protection and the improvement of system reliability, availability and functionality. Deployed at the output side of frequency inverters, these filters ensure reliable operation by avoiding expensive downtimes of installations, manufacturing plants, machinery and a vast array of other industrial and domestic motor drive applications due to premature motor damage. An appropriate output solution will even allow the deployment of unshielded motor cables, the use of multiple motors in parallel on the same drive or the retrofit of modern drives in existing installations with old motors and unshielded cabling.

Filter Family	Max. Voltage	Typical motor power [kW] / Current rating [A] (0 60 120 180 240 >300 / 0 200 400 600 800 >1000)	Features: dv/dt restriction	Overvoltage restriction	Motor temperature reduction	Red. acoustic motor noise	Sym. sinusoidal output signal	Asym. sinusoidal output signal	Eliminat. of bearing damage	Replaces cable shields	Connection to DC link required	Improves overall EMC	Reduces equipment downtime	Typ. Applications: Motor drives	Servo drives, torque motors	High-speed motor applications	Appl. with long unshield. cabl.	Retrofit of motor drives
FN 510 	520VAC	1.5 - 30 / 4 - 66	■	■	■							■	■	■	■			
FN 520 	520VAC	1.5 - 7.5 / 4 - 16	■	■	■	■	■					■	■	■				
FN 530 	520VAC	1.5 - 7.5 / 4 - 16	■	■	■	■	■	■	■	■	■	■	■	■			■	■
FN 5010 	440VAC 690VAC (HV)	0.75 / 300; 2.5 / 610	■	■	■	■	■					■	■	■				■
FN 5020 	500VAC	11 / 55; 25 - 120	■	■	■	■	■					■	■	■		■		
FN 5030* 	500VAC	11 / 55; 25 - 120			■	■		■	■	■	■	■	■	■		■	■	■
RWK 305 	500VAC	0.75 / 1000; 2 / 2300	■		■							■	■	■	■			

* additional output filter module to be operated in conjunction with FN 5010 or FN 5020

RFI Suppression Chokes.

An extensive selection of discrete RFI suppression chokes with various inductance and current ratings allows optimized circuitry for EMC compliance to be designed easily and economically.

Choke Family	Max. Voltage	Inductance value [mH] / Current rating [A] (0 20 40 60 80 100 / 0 30 60 90 120 150)	Features: For common mode noise	Saturating chokes	Single choke	Dual choke	Triple choke	Quad choke	PCB mounting	With flying leads	Typical Applications: Frequency converters, UPS	Medical equipment	Traction systems	DC/DC or AC/DC converters	SMPS	Home electronics, TV, balasts	Battery chargers	Heaters, air conditioners
RD 5000 series 	600VAC 850VDC	1 - 10 / 6 - 16	■			■	■		■		■		■					
RD 6000 series 	600VAC 850VDC	1.5 15 / 6 - 16	■			■	■			■	■		■					
RD 7000 series 	600VAC 850VDC	0.2 25 / 6 36	■			■	■	■		■	■		■					
RD 8000 series 	600VAC 850VDC	0.2 - 12 / 16 64	■			■	■	■		■	■		■					
RN series 	250VAC	0.7 100 / 0.3 - 10	■			■			■		■	■			■	■	■	■
EV/EH 20 series 	250VAC	0.82 33 / 0.3 - 2	■			■			■		■	■			■	■	■	■
EV/EH 24 series 	250VAC	0.5 44 / 0.5 - 4	■			■			■		■	■			■	■	■	■
EV/EH 28 series 	250VAC	1.1 36 / 1 - 5	■			■			■		■	■			■	■	■	■
EV/EH 35 series 	250VAC	3.6 90 / 1 - 5	■			■			■		■	■			■	■	■	■
RI series 	500VDC	1.5 25		■	■	■			■	■	■		■	■	■			

Pulse Transformers. They provide a proper galvanic separation between gate drive circuitry and high voltage path in IGBT, thyristor, triac, power MOSFET and DC/DC converter circuits.

Pulse Transformer	Nominal Voltage	Voltage-time area [Vµs] / Ignition current [A]	Features								Typical Applications						
		0 1000 2000 3000 4000 5000 0 0.6 1.2 1.8 2.4 3	1 : 1	1 : 1 : 1	2 : 1	2 : 1 : 1	3 : 1	3 : 1 : 1	PCB	Faston	Galvanic separation	Thyristors, triac and IGBTs	Driving power MOSFETs	Line coupling transformers	DC/DC converters	Power supplies	Home automation systems	Monitoring systems
IT 155 	500VAC	500 / 0.1	■								■				■		■	■
IT 237 	500VAC	1100 / 0.25	■						■		■	■	■		■	■	■	■
IT 245 	750VAC	500 / 0.1	■						■		■	■	■		■	■	■	■
IT 255 	750VAC	250 / 0.25	■						■		■	■	■		■	■	■	■
IT 258 	750VAC	250 / 1	■						■		■	■	■		■	■	■	■
IT 239 	1000VAC	350 / 0.25	■						■		■	■	■			■		
IT 370 	1000VAC	4000 / 1	■						■		■	■	■			■		
IT 364 	3000VAC	5000 / 3	■							■	■	■	■					
IT 213 	380VAC	450 / 0.25		■					■		■	■	■	■	■	■	■	■
IT 312 	380VAC	1200 / 0.25		■					■		■		■	■	■	■	■	■
IT 313 	380VAC	450 / 1		■					■		■		■	■	■	■	■	■
IT 143 	500VAC	800 / 0.025		■					■		■	■	■	■	■	■		■
IT 153 	500VAC	600 / 0.1		■					■		■	■	■	■	■	■		■

Pulse Transformer	Nominal Voltage	Voltage-time area [Vµs] / Ignition current [A]	Features								Typical Applications						
		0 1000 2000 3000 4000 5000 0 0.6 1.2 1.8 2.4 3	1 : 1	1 : 1 : 1	2 : 1	2 : 1 : 1	3 : 1	3 : 1 : 1	PCB	Faston	Galvanic separation	Thyristors, triac and IGBTs	Driving power MOSFETs	Line coupling transformers	DC/DC converters	Power supplies	Home automation systems	Monitoring systems
IT 233 	500VAC	300 / 0.25		■					■		■	■	■	■	■	■		■
IT 242 	500VAC	250 / 0.1		■					■		■	■	■	■	■	■		■
IT 243 	500VAC	250 / 0.1		■					■		■	■	■	■	■	■		■
IT 253 	500VAC	180 / 0.25		■					■		■	■	■	■	■	■		■
IT 246 	750VAC	200 / 0.1			■				■		■	■	■		■	■		■
IT 248 	750VAC	350 / 0.25			■				■		■	■	■		■	■		■
IT 362 	1000VAC	3500 / 3			■					■	■	■	■		■	■		
IT 249 	500VAC	330 / 0.25				■			■		■	■	■	■	■	■	■	■
IT 260 	500VAC	200 / 0.1					■		■		■		■	■	■	■	■	■
IT 314 	380VAC	500 / 0.25 1						■	■		■		■	■	■	■	■	■
IT 154 	500VAC	600 / 0.1						■	■		■		■	■	■	■	■	■
IT 234 	500VAC	300 / 0.25						■	■		■		■	■	■	■	■	■
IT 244 	500VAC	200 / 0.1						■	■		■		■	■	■	■	■	■