

Connectors - Power & Mains

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UK Mains Plugs

White Nylon



- Scuff resistant
- 5A fused



Fuse supplied 5A
 Manufactured to ASTA, BS1363A: 1984
 Housing Nylon
 Contacts Sleeved Brass Pins
 Mfrs. list No. VX1307 + Fuse rating + Colour

Fuse Rating	Colour	Order Code	1+	20+	100+	200+	400+	1K+
5A	White	150-692						

'Safetyplug'™



- Automatic cord grip
- Captive fixing screw and terminals

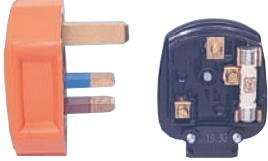


Fuse Supplied 3A or 13A
 Manufactured to ASTA, BS1363: 1984
 Housing White urea formaldehyde
 Contacts Sleeved brass pins, phosphor bronze fuse clips
 Box qty. 1

Mfrs. List No: 64603WHI, = 269-098 646WHI = 107-754

Fuse Rating	Order Code	1+	10+	50+	100+	500+
3A	269-098					
13A	107-754					

Coloured Rubber



- Colour coded blue and brown sleeved pins
- Easy grip cover



Fuse supplied 13A
 Manufactured to ASTA, BS1363A: 1984
 Housing Base polycarbonate, cover rubber
 Contacts Sleeved brass pins, phosphor bronze fuse clips
 Box Qty. 1
 Mfrs. List No: PF133BLK+ Colour

Colour	Order Code	1+	10+	50+	100+	500+
Black	150-699					
White	150-700					
Orange	150-701					

Coloured 'Toughplug'



- Colour coded terminals
- Captive fixing screws/terminals

- Automatic cord grip
- Hospital property versions

Fuse supplied 3A or 13A
 Manufactured to ASTA, BS1363: 1984
 Housing Base, urea formaldehyde. Cover PVC
 Contacts Sleeved Brass Pins

Fuse	Colour	Cover Marking	Order Code	1+	10+	50+	100+	500+
3A	White		269-104					
13A	Red		107-758					
13A	Orange		107-759					
13A	White	Hospital Property	269-116					

Unfused Africa & Asia

Round Pin



- Heavy duty rubber plugs
- Ideal for stage lighting or low voltage rings
- The 15A plug is popular in India, Kenya, Nigeria, Kuwait, parts of Asia and the Far East



Manufactured to BS
 Housing Black Rubber
 Contacts Brass
 Mfrs. List No: P53BLK = 269-128 P153BLK = 269-130

Rating	Colour	Order Code	1+	10+	50+	100+	250+
5A	Black	269-128					
15A	Black	269-130					

International Mains Plugs

France and Belgium 2 Pin + Earth



Unfused



- Rewireable straight or side entry
- Suitable for Class 1 appliances
- Flame retardant to IEC695-2-1 and NF-USE approval

Pitch=19
 Mfrs. List No: 50215 WHT = 299-881

Current Rating	Housing	16V@250V AC	Flame Retardant Polypropylene	Contacts	Brass	Max Cable Dia.	11.0
							209069

Colour	Order Code	1+	20+	100+	200+
Straight Entry					
White	299-881				

International Mains Plugs - continued

Schuko Plugs

Series 2030 and 2032



- Rewireable straight entry
- Single piece moulding, hinged
- Complies with **DIN 49441R 1** and **CEE7**, sheet IV **VDE** approval

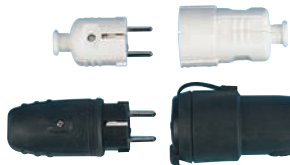
Material: Thermoplastic
 Current rating: 16A/250V ac
 Terminations: 3 x 1.5mm² max.
 Max. cable dia.: 9.5mm

2032/WS

232421

Mfrs. List No.	Order Code	Price Each			
		1+	10+	50+	100+
2032/WS2032/WS	120-7927				

German Standard Earthed Plug



- Black German standard earth rubber plugs/couplings, large and small versions for building sites and severe operating conditions, Ingress Protection class **IP44**
- ISO version in white PVC
- All versions for 250V ac@10/16A

Mfrs. List No.	Version	Standard	Suitable for cables	Ingress Protection class
large rubber plugs/couplings, black				
1082040	Rubber plugs, large for building sites	DIN49441, Part 2-AR-2, CEE7/VII	H07RN-F3G 2.5 mm ²	IP44
574015	Rubber coupling, large for building sites with snap-action collar and folding cover	DIN49440, Part 3	H07RN-F3G 2.5 mm ²	IP44
1082050	Rubber coupling, large for building sites without snap-action collar and folding cover	DIN49440, Part 3	H07RN-F3G 2.5 mm ²	IP44
small rubber plugs/couplings, black				
637147	Rubber plugs, small	DIN49441, Part 2-AR-2, CEE7/VII	H07RN-F3G 2.5 mm ²	IP44
ISO plugs/couplings, white				
519030	ISO plugs with central entry	DIN49441, CEE7/IV	H05VV-F3G 1.5 mm ²	
519597	ISO coupling with central entry	DIN49440, CEE7/III	H05VV-F3G 1.5 mm ²	

239074

Mfrs. List No.	Type	IP Rating	Order Code	Price Each		
				1+	5+	10+
Rubber, large						
1082040	Plug	IP44	178-9574			
574015	Coupling	IP44	364-4388			
1082050	Coupling	IP44	178-9577			
Rubber, small						
637147	Plug	IP44	364-4364			
ISO						
519030	Plug		364-4406			
519597	Coupling		364-4418			

Schuko Coupler



- Rewireable straight entry
- Complies with **DIN 49440** and **CEE7**, sheet III **VDE** approval

Material: Thermoplastic
 Current rating: 16A/250V ac
 Terminations: 3 x 1.5mm² max.
 Max. cable dia.: 9.5mm

1050T

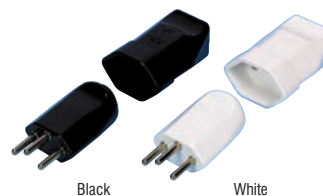
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Mfrs. List No.	Order Code	Price Each			
		1+	10+	50+	100+
1050T	120-7926				

IMPROVED BACK ORDER DELIVERY

Receive email updates with the exact status, due date and despatch information of all your back order items **farnell.com**

Swiss Mains



- Swiss mains
- Plug T12
- Coupler T13
- Nylon
- Max. cable dia. 11.5mm

Mfrs. List No.	Order Code	Price Each			
		1+	5+	10+	50+
Connector T12					
149601	Black	121-6717			
149602	White	121-6718			
Coupler T13					
149622	Black	121-6719			

Type 10003



The mains socket is manufactured according to **DIN 49440** and has a splash proof **IP44** construction.

Type	rated voltage (V)	rated current (A)	colour
10003	250		blue

all dimensions in mm
 mounting holes, distance=38
 mounting holes, $\varnothing=4.2$
 Depth, mounting=26.5
 panel-hole $\varnothing=43.5$

239108

Type	Order Code	Price Each			
		1+	10+	50+	100+
10003	843-684				

Europe, 'Schuko' Plug



Unfused



- Rewireable 'Schuko' with dual earthing system
- Extensive use across the majority of Europe
- Complies with **DIN49441** and **CEE 7 sheet VII, VDE** approved

Current Rating	Housing	Contacts Terminations	Brass, Nickel Plated
16@250VA	Polyamide		3x1.5mm ² screw

219700

Colour	Order Code	Price Each			
		1+	50+	200+	400+
White	120-7923				
Black	120-7925				

Adaptors

World Wide Travel Adapter



weight: 113g

- The elegant, safe and easy way to connect your portable appliances (Mobile phone, Notebook, PDA and others) worldwide
- covers more than 150 countries
- can be used for all 2-prong (security class II) electronic devices up to 2.5A (110V/275W and 230V/550W)
- safety use with power fuse
- selection of required mains plug through slide switch sideways
- **2 years warranty**

335142

Mfrs. List No.	Order Code	Price Each		
		1+	5+	10+
SWA001.1B	107-9170			

Travel Adapter Switzerland and Europe

NEW



Single travel adapter suitable for connecting European devices safely and easily to a Swiss mains supply. The input side also accepts 2 pole and 3 pole devices from UK, USA, Australia, Switzerland and Italy, thereby enabling travellers from over 150 countries to connect to the mains supply in Switzerland.

- Compact design
- Maximum safety
- Voltage: Max Switzerland : 10A/250 V~
- Voltage Max Europe: 16A/250 V~

- Suitable for both 2 pole and 3 pole devices (grounded) plugs (classes I and II)

657781

Mfrs.	Order Code	1+	5+	10+
List No.				
1.500206	187-1852			

World USB Charger



- With the World USB Charger you can simultaneously charge two USB devices in over 150 countries, thanks to its patented sliding plug mechanism
- Ideal for charging all your USB-devices, e.g. mobile phone, TabletPC, MP3-player, GPS, Video Player or PDA
- Output: 5VDC / 1300mA ma.
- 2 year warranty

637877

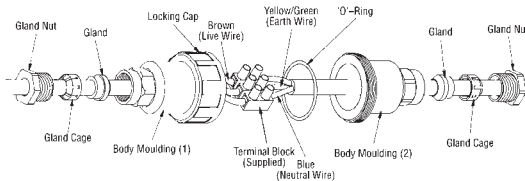
Mfrs.	Order Code	1+	5+	10+
List No.				
1.302300	187-1853			

In-line Lead Connectors

Sealed IP68 - 16A



L=105, Dia=38



- Threaded coupling 'Buccaneer' style connector
- Ideal for extending or repairing 3 core circular mains plug
- Instructions supplied
- SEMKO approved
- IP68 rated

Contact rating 16A @ 250V ac Housing UL94-HB
Cable dia. 6 - 8 Terminal block Natural Polyethylene
Max. wire size 1mm² Temperature range -20°C to +70°C

Mfrs. List No. PX0777 = 257-825, PX0777/OR = 469-646

Note: Always assemble two body mouldings prior to tightening the gland nuts. For correct sealing ensure all surfaces are free from contamination (dust, grease etc).

209060

Colour	Order Code	1+	25+	50+	100+	250+
Black	257-825					
Orange	469-646					

Aqua-Safe



- Superior sealing to IP68
- Fits cable from 5mm to 9mm diameter
- Easy bayonet fitting push and latch
- For pools, ponds, fountains, etc.
- Supplied with full assembly instructions

Max. wire capacity 1.5mm² Waterproof to IP68 2 bar
Max. voltage 250V ac/dc Complies with BS6121 Pt2, BS5733, BS EN60529
Impulse withstand voltage 2kV Operating temperature -25°C to +90°C
Current rating 10A

209294

Order Code	1+	10+	25+	50+
Aqua-Safe	328-2879			

Sealed IP68 32A



These versatile cable connectors are intended for use with circular profile cables and can be used either indoors or out. Manufactured from tough polyamide (Blue / Grey solid colours) or polycarbonate (Orange translucent colours) all products are IP68 rated. Typical applications could include cabling to temporary structures, Garden/security lighting and portable machinery etc.

- Can be used underwater and underground
- Use for AC or DC voltage
- 3 and 5 Pole versions
- Safe, convenient and simple to use
- Wide cable range
- Tested to IP68 protection at 5 bar
- Compact design complete with mounting kit

Poles	Max. V	Dimensions L	Dia.	Current Rating	Max. conductor size (mm ²)	Cable dia. Range.	Temperature rating
3	450	115	26.5	32A	4	5mm to 13mm	-20°C to 100°C
5	450	130	32.0	17A	4	8mm to 17mm	-20°C to 100°C

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No. of Poles	Body Colour	Mfrs. List No.	Order Code	1+	10+	25+	50+
3	Black	TTK20BK-SD-F	113-0909				
3	Grey	TTK20GY-SD-F	113-0911				
5	Black	TTK25BK-SD-F	113-0913				
3	Orange	TTK20OE-BK-F	113-0914				

Sealed IP65 Five Pole



- Polarised plug and socket housings prevent cross mating
- Easy snap-fit locking mechanism
- Suitable for internal or external use
- Screw termination

Voltage Rating 450V Cable Acceptance 5 - 9mm
Current Rating 16A Case Material Nylon (PA66)
IP Rating IP65 Flammability Class UL94V-0
Temperature Range -20°C to 110°C

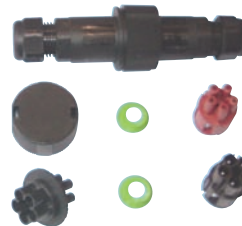
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Mfrs. List No.	Order Code	1+	5+	10+	25+
THK.404.X2A00-F	120-6600				

Straight through In-line cable connector



5 Pole



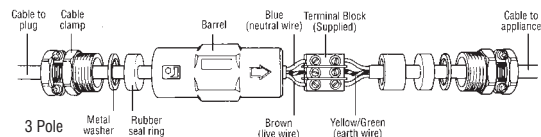
- Cable diameter of 5mm to 14mm
- Supplied as complete kit
- Conforms to CE requirements and IMQ NEMKO approvals

Voltage Rating 400V ac
Current Rating 16A
IP Rating IP68
Temperature Range 0°C to 125°C
Cable Acceptance 5 - 14mm
Case Material PA66
Flammability Class UL94V2

496398

No. of Poles	Mfrs. List No.	Order Code	1+	5+	10+	25+
5	THR.405.S5A	152-1775				

Sealed IP67 16A



- Suitable for the extension and repair of 2, 3 and 5 core cables
- Use for AC or DC voltage
- IP67 protection
- Approvals include: SEMKO, DEMKO, NEMKO and SEV

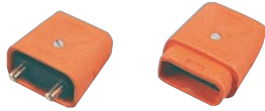
Poles	Max. V	Dimensions L	Dia.	Cable dia. min. max.	Max. wire size (mm ²)	Mfrs. List No.	Order Code
2	400	100	24	5 12.5	2.5mm ²	SK-2-2500	117-9969
3	400	120	28	6 15	2.5mm ²	SK-3-2500	117-9968
5	400	150	35	10 19	2.5mm ²	SK-5-2500	117-9970

In-line Lead Connectors - continued

Sealed IP67 16A - continued

Housing	Black	Temperature range	-20°C to +66°C			
			208997			
			Price Each			
Poles	Order Code	1+	5+	10+	25+	50+
2	117-9969					
3	117-9968					
5	117-9970					

2 and 3 Pole 10A



- Ideal for the extension of leads on electrical appliances
- 2 pin version for use with Class 2 double insulated appliances
- 3 pin must be used with earthed appliances

Contact Rating	10A@250V	Housing	Moulded rubber sleeves
Contacts	Brass(Screw Terminal)	Inserts	Polypropylene
Warning: The two pin versions are non-polarised and are therefore not suitable for DC or any application where live/neutral should not be transposed.			
LCP103WHI	= 313-520	LCP103BLK	= 313-531
10A250V	Moulded rubber sleeves	Brass	Polypropylene

Supplied as a Plug and Socket Pair

		Price Each					
	Order Code	1+	10+	50+	100+	500+	1K+
3 pin white	313-520						
3 pin black	313-531						

Mains Test Connectors

'Quicktest'



- Provides safe and quick method of temporarily connecting mains powered equipment to a suitable power source
- Colour coded terminals
- Neon lamp indicates 'supply on'
- Lid latches open for ease of use when wall mounted
- Available unwired or prewired with 1.5m lead and 13A plug

Contact Rating	13A 240Vac max. (fuse supplied)
Cable	rated 5A, Black
Plug Fuse	5A supplied
Mfrs. List No:	CL1850 = 658-716 CL1855 = 658-728

		Price Each			
Description	Order Code	1+	10+	25+	100+
QuicktestCL1850	658-716				
Quicktest, 1.5m Cable, UK Mains	658-728				
Quicktest, 1.5m Cable, Schuko Mains	183-6769				

Electric Vehicle Connectors

EV Connectors

Type 1 (SAE J1772) & Type 2 (62196-2)



NEW

This Multicom range of power leads and connectors are ideal for use with car and mains power supply. All leads and connectors are rated at 32A, 240V

Cable Length (M)	Connector Type A	Connector Type B	Mfrs. List No.	Order Code
Cable Assemblies				
3	Plug, 62196-2	Plug, 62196-2	DSIEC-2EV32P-3C	206-6623
3	Plug, J1772	Plug, 62196-2	DSI-DSIEC-EV-32P-3C	206-6624
3	Plug, J1772	Free End	DSI-EV32P-3C	206-6612
1.5	Socket, J1772	Free End	DSI-EV32S-1.5C	206-6614
3	Plug, 62196-2	Free End	DSIEC-EV32P-3C	206-6616
1.5	Socket, 62196-2	Free End	DSIEC-EV32S-1.5C	206-6618
Connectors				
Mounting				
Cable	Gender	—	DSI-EV32P-NC	206-6613
Cable	Plug, J1772	—	DSIEC-EV32P-NC	206-6617
Cable	Plug, 62196-2	—	DSI-EV32S-NC	206-6615
Cable	Socket, J1772	—	DSIEC-EV32S-NC	206-6619
Cable	Socket, 62196-2	—	DSIEC-EV32S-NC	206-6619
Accessories				
Protection Cap	62196-2 Socket	—	DSIEC-2A-G	206-6620
Locking Solenoid	62196-2 Socket	—	DSIEC-EL	206-6621

Mfrs. List No.	Order Code	1+	5+
DSIEC-2EV32P-3C	206-6623		
DSI-DSIEC-EV-32P-3C	206-6624		
DSI-EV32P-3C	206-6612		
DSI-EV32S-1.5C	206-6614		
DSIEC-EV32P-3C	206-6616		
DSIEC-EV32S-1.5C	206-6618		
DSI-EV32P-NC	206-6613		
DSIEC-EV32P-NC	206-6617		
DSI-EV32S-NC	206-6615		
DSIEC-EV32S-NC	206-6619		
DSIEC-2A-G	206-6620		
DSIEC-EL	206-6621		

Industrial BS4343

Free Plug Straight



Common features:

- Calibrated pin contacts
- Self seal cable entry
- Cable clamps to relieve stress on terminals

	528-110		528-122
L	95	L	109
Ø	58	Ø	66

528-122

Contact Rating	I.P. Rating	Mfrs. List No.	Order Code	1+	5+	10+
220/250Vac Blue 3 Pin 2 Pole + Earth						
16A	IP44	K9001BLU	528-110			
16A	IP67	9024BLU	528-122			

Free Sockets Straight



Common features:

- Spring loaded covers to protect contacts when not in use
- Calibrated sleeve contacts
- Cable clamps to relieve stress on terminals

Order Code	L	Dia.
427-9402	124	75
427-9414	124	75
427-9426	171	93

Contact Rating	I.P. Rating	Mfrs. List No.	Order Code	1+	5+	10+
110/130Vac Yellow 3 Pin 2 Pole + Earth						
16A	IP44	K9100YEL	427-9402			
220/250Vac Blue 3 Pin 2 Pole + Earth						
16A	IP44	K9101BLU	427-9414			
32A	IP44	K9133BLU	427-9426			

Appliance Inlet Angled



Common features:

- Top conduit or rear cable entry.
- Supplied with blanking plug.

H=107, W=64, D=67

CM302XV

Contact Rating	I.P. Rating	Mftrs. List No.	Order Code	1+	5+	10+	Price Each
220/250Vac Blue 3 Pin 2 Pole + Earth							
16A	IP44	K9701BLU	528-316‡				

Industrial Connectors from



An Extensive Range of Industrial Plugs and Sockets which conforms to all the relevant standards: **BS 4343:1992, BSEN 60309-2, IEC 309 and CEE 17.**

- Colour coded for Voltage Identification: Yellow=110 Volts (100-130V), Blue=230 Volts (200-250V), Red=400 Volts (380-415V)
- All moulded parts, except flexible grommets, are produced from high quality plastic material which is self-extinguishing and free from cadmium and halogen. High impact temperature of -25°C to +40°C and up to +50°C under load
- Each terminal fitted with two screws for extra safe and secure connection
- Terminal screws left friction fit in open position for speedy wiring
- Extended earth terminal for quick positive identification
- All free plugs and sockets come with internal strain relief for secure cable retention. Also moveable for ease of wiring
- All sockets fitted with spring loaded covers for added protection when not in use
- All Panel/Chassis mounting sockets come complete with gasket
- All 63 amp and 125 amp have additional matching pilot contact in accordance with the relevant standards

213788

Free Plugs, IP67 Straight



- Conforms to **BS4343, EN60309 1 & 2 and CEE17**
- Fitted with locking ring and gasket
- Flared rear cable entry to reduce chafing

213790

Voltage & Amps	Poles	Mftrs.		Price Each		
		List No.	Order Code	1+	5+	10+
110V,16A	2P+E	219304	723-2123			
240V,16A	2P+E	219306	723-2135			
415V,16A	3P+E	219406	723-2147			
415V,16A	3P+N+E	219	723-2159			
415V,32A	3P+N+E	239	723-2196			
400V,63A	3P+N+E	269	716-6527			
400V,125A	3P+N+E	279	716-6758			
240V,32A	2P+E	239306	723-2172			
415V,32A	3P+E	239406	723-2184			
230V,63A	2P+E	269306	716-2674			
400V,63A	3P+E	269406	716-6345			
400V,125A	3P+E	279406	716-6679			

Free Sockets, IP44 Straight



- Conforms to **BS4343, EN60309 1 & 2 and CEE17**
- Fitted with spring loaded cover
- Long grommet clearly marked with cable diameter sizes for best fit

213791

Voltage & Amps	Poles	Mftrs.		Price Each			
		List No.	Order Code	1+	5+	10+	25+
110V,16A	2P+E	310304	723-2202				
230V,16A	2P+E	310306	843-647				
400V,16A	3P+E	310406	723-2214				
400V,16A	3P+N+E	310	843-532				
110V,32A	2P+E	330304	716-0082				
230V,32A	2P+E	330306	716-0630				
400V,32A	3P+E	330406	716-1440				
400V,32A	3P+N+E	330	716-2066				

Free Sockets, IP67 Straight



- Conforms to **BS4343, EN60309 1 & 2 and CEE17**
- Fitted with spring loaded cover, locking ring and cover

213792

Voltage & Amps	Poles	Mftrs.		Price Each			
		List No.	Order Code	1+	5+	10+	25+
415V,32A	3P+N+E	339	723-2299				
400V,63A	3P+N+E	369	716-6588				
400V,125A	3P+N+E	379	716-6801				
240V,16A	2P+E	319306	723-2238				
415V,16A	3P+E	319406	723-2240				
110V,32A	2P+E	339304	723-2263				
240V,32A	2P+E	339306	723-2275				
415V,32A	3P+E	339406	723-2287				
230V,63A	2P+E	369306	716-6321				
400V,63A	3P+E	369406	718-4001				
230V,125A	2P+E	379306	716-6667				
400V,125A	3P+E	379406	716-6680				

Cee-View Plugs & Connectors, IP44 Clear Rear



- The Clear Rear offers a fast time saving facility for visual inspection without the need for tools NO screws to remove and replace
- 2P+E, 16A, Long grommet

213793

	Voltage	Mftrs.		Price Each			
		List No.	Order Code	1+	5+	10+	25+
Plug	110V	210304CL	723-2305				
Coupler	110V	310304CL	723-2317				
Plug	230V	210306CL	723-2329				

Surface Sockets, IP44 Top Entry



- Conduit entry M20 on 16A units and M25 on 32A units
- Offset. approx. 15°

213795

Voltage & Amps	Poles	Mftrs.		Price Each			
		List No.	Order Code	1+	5+	10+	25+
110V,16A	2P+E	110304	723-2366				
230V,16A	2P+E	110306	723-2378				
400V,16A	3P+E	110406	723-2380				
400V,16A	3P+N+E	110	723-2391				
230V,32A	2P+E	130306	716-1256				
400V,32A	3P+E	130406	716-1610				
400V,32A	3P+N+E	130	718-3227				

Panel/Chassis Sockets IP44



- Supplied complete with gasket
- Fixing centres: 16A 3 Pin=47 x 47, all others 60 x 60

Panel/Chassis Sockets - continued

IP44 - continued

Voltage & Amps		Poles	Mftrs. List No.	Order Code	Price Each			
					1+	5+	10+	25+
110V,16A	2P+E		410304	723-2500				
400V,16A	3P+N+E		410	843-570				
400V,32A	3P+N+E		430	716-2390				
230V,16A	2P+E		410306	723-2512				
400V,16A	3P+E		410406	723-2524				
110V,32A	2P+E		430304	716-0203				
230V,32A	2P+E		430306	716-1128				
400V,32A	3P+E		430406	716-1505				

213797

Surface Appliance Inlets, IP44

Top Entry



- Conduit entry: 16A, 2P+E=PG13.5, 16A, 3P+E=32A ALL=PG21

213799

Voltage & Amps		Poles	Mftrs. List No.	Order Code	Price Each			
					1+	5+	10+	25+
110V,16A	2P+E		610304	723-2573				
400V,16A	3P+N+E		610	723-2603				
400V,32A	3P+N+E		630	723-2640				
230V,16A	2P+E		610306	723-2585				
400V,16A	3P+E		610406	723-2597				
110V,32A	2P+E		630304	723-2615				
230V,32A	2P+E		630306	723-2627				
400V,32A	3P+E		630406	723-2639				

16A, 240V 2P+Earth - Black

Film, TV, Theatre application



- Moulded in unobtrusive black
- Ideal for Film, TV and theatre industry use
- Conform to BS4343 - IEC60309

239222

Description	Mftrs. List No.	Order Code	Price Each			
			1+	5+	10+	25+
Plug	215306SW	410-9673				
Coupler	315306SW	410-9685				
Panel Socket	410306SW	410-9697				

Low Voltage, Connectors, IP44

16A



- For use with power tools and handlamps where operating conditions require extra low voltage
- Conduit entry for surface socket: PG21
- Fixing centres for panel sockets: 41x41
- 20-25V, colour code purple
- Conforms to BSEN 60309-2 and BS 4343

213800

		Mftrs. List No.	Order Code	Price Each			
Poles				1+	5+	10+	25+
Free Plug	2	10280	723-2652				
Free Plug	3	10290	723-2664				
Free Socket	2	10380	723-2676				
Free Socket	3	10390	723-2688				
Surface Socket	2	10110	723-2690				
Panel Socket	2	10400	723-2718				
Panel Socket	3	10440	723-2720				

3 Way Long Plastic Box

IP44



- 16A, 2P+E, complete with 2m cable, plug and handle

213805

Voltage		Mftrs. List No.	Order Code	Price Each			
				1+	5+	10+	25+
110V		6532314P2	723-3085				
230V		6532316P2	723-3097				

16Amp IP44 Splashproof Industrial Plugs & Sockets



- In compliance with BS EN 60309-1 and -2
- Plug & coupler body one solid piece construction

416633.408485

Voltage		Colour	Pins	Order Code	Price Each	
					1+	5+
Free Plug						
110V	Yellow	2P+E		101-7182		
240V	Blue	2P+E		101-7183		
415V	Red	3P+E		101-7185		
415V	Red	3P,N+E		101-7186		
Free Coupler						
110V	Yellow	2P+E		101-7187		
240V	Blue	2P+E		101-7188		
415V	Red	3P+E		101-7189		
415V	Red	3P,N+E		101-7190		
Wall Mount Inlet						
240V	Blue	2P+E		101-7192		
415V	Red	3P,N+E		101-7194		
Wall Mount Socket						
110V	Yellow	2P+E		101-7195		
240V	Blue	2P+E		101-7197		
415V	Red	3P+E		101-7198		
415V	Red	3P,N+E		101-7199		

32Amp IP44 Splashproof Industrial Plugs & Sockets



- In compliance with BS EN 60309-1 and -2
- Plug & coupler body one solid piece construction

416634.408489

Voltage		Colour	Pins	Order Code	Price Each	
					1+	5+
Free Plug						
110V	Yellow	2P+E		101-7200		
240V	Blue	2P+E		101-7201		
415V	Red	3P+E		101-7203		
415V	Red	3P,N+E		101-7204		
Free Coupler						
110V	Yellow	2P+E		101-7205		
240V	Blue	2P+E		101-7206		
415V	Red	3P+E		101-7207		
415V	Red	3P,N+E		101-7208		
Wall Mount Inlet						
240V	Blue	2P+E		101-7209		
415V	Red	3P,N+E		101-7210		
Wall Mount Socket						
240V	Blue	2P+E		101-7211		
415V	Red	3P,N+E		101-7212		

63Amp IP67 Waterproof Industrial Plugs & Sockets



- Nickel-plated contacts
- In compliance with BS EN 60309-1 and -2

416635.408501

Voltage	Colour	Pins	Order Code	Price Each	
				1+	5+
Free Plug					
240V	Blue	2P+E	101-7213		
415V	Red	3P+E	101-7215		
415V	Red	3P,N+E	101-7216		
Free Coupler					
240V	Blue	2P+E	101-7217		
415V	Red	3P+E	101-7218		
415V	Red	3P,N+E	101-7219		
Wall Mount Socket					
240V	Blue	2P+E	101-7220		
415V	Red	3P+E	101-7221		
415V	Red	3P,N+E	101-7222		

16A & 32A, IP44 Panel Mount Sockets



- Splashproof to IP44
- Complete with gasket
- 15° angled
- In compliance with BS EN 60309-1 and -2

416638.408554

Voltage	Colour	Pins	Order Code	Price Each	
				1+	5+
16Amp					
110V	Yellow	2P+E	101-7253		
415V	Blue	3P+E	101-7254		
415V	Red	3P,N+E	101-7255		
32Amp					
240V	Yellow	2P+E	101-7256		
415V	Blue	3P+E	101-7257		
415V	Red	3P,N+E	101-7258		

16A Interlocked Switched Socket-outlets



- Splashproof to IP44
- Plug must be inserted before switch can be turned on
- Plug and cover not removable with switch in on position
- Padlockable handle
- Thermoplastic self-extinguishing material
- Commercial & light industrial use
- 15° angled
- In compliance with BS EN 60309-1 and -2

416639.408555

Voltage	Colour	Pins	Order Code	Price Each	
				1+	5+
110V	Yellow	2P+E	101-7259		
240V	Blue	2P+E	101-7260		
415V	Red	3P,N+E	101-7262		

Quick Connect - BS4343

16A, 240V 2P+Earth

Quick Connect



232774



Description	Mfrs.		Price Each			
	List No.	Order Code	1+	10+	25+	50+
Plug	6210094	121-2787				
Connector	631880	121-2788				
Panel Socket	613668	121-2789				
Surface Socket	611895	121-2790				

16A, 415V 3P+N+Earth

Quick Connect



Quick Connect
CEE Norm U.K. Ltd

NEW

232776

Description	Mfrs.		Price Each			
	List No.	Order Code	1+	10+	25+	50+
Plug	212001	121-2794				
Connector	312001	121-2796				
Surface Socket	112001	121-2797				

32A, 240V 2P+Earth

Quick Connect



Quick Connect
CEE Norm U.K. Ltd

232778

Description	Mfrs.		Price Each			
	List No.	Order Code	1+	10+	25+	50+
Plug	210096	121-2798				
Connector	31882	121-2799				
Panel Socket	13703	121-2800				
Surface Socket	11949	121-2802				

32A, 415V 3P+N+Earth

Quick Connect



Quick Connect
CEE Norm U.K. Ltd

232780

Description	Mfrs.		Price Each			
	List No.	Order Code	1+	10+	25+	50+
Plug	212002	121-2805				
Connector	312002	121-2806				
Surface Socket	11962	121-2807				

Multi-Grip Cable Gland Plugs & Sockets

Quick Connect
CEE Norm U.K. Ltd



One piece body plugs & sockets with multigrip cable gland and splashproof body (IP44).

- 16 and 32A versions
- 110, 240 or 415V
- 50 - 60 Hz
- 2 pin and earth, 3 pin and earth and 3 pin with neutral and earth available
- The in-line sockets come with protection caps
- Screw terminals included

NEW

658969

Voltage & Amps	Poles	Mfrs.		Price Each			
		List No.	Order Code	1+	5+	10+	25+
Plugs							
110V, 16A	2P + E	21000-TLS	207-2395				
240V, 16A	2P + E	21001-TLS	207-2398				
415V, 16A	3P + N + E	203-TLS	207-2400				
110V, 32A	2P + E	21012-TLS	207-2396				
240V, 32A	2P + E	21013-TLS	207-2399				
415V, 32A	3P + N + E	204-TLS	207-2401				
Sockets, with Caps							
110V, 16A	2P + E	31000-TLS	207-2402				
240V, 16A	2P + E	31001-TLS	207-2405				
415V, 16A	3P + N + E	303-TLS	207-2407				
110V, 32A	2P + E	31012-TLS	207-2404				
240V, 32A	2P + E	31013-TLS	207-2406				
415V, 32A	3P + N + E	304-TLS	207-2408				

Quick Connect - BS4343 - continued

Panel Sockets



Panel socket with top and bottom cable entry. Surface mounting.

- 16 and 32A versions
- 110, 240 or 415V
- 50 - 60 Hz
- 2 pin and earth and 3 pin with neutral and earth available



Voltage & Amps		Poles	Mftrs. List No.	Order Code	Price Each			
					1+	5+	10+	25+
110V, 16A	2P + E	11302	207-2409	●				
110V, 16A	2P + E	1310	207-2416	●				
240V, 16A	2P + E	11304	207-2411	●				
240V, 16A	2P + E	1311	207-2418	●				
415V, 16A	3P + N + E	11308	207-2413	●				
415V, 16A	3P + N + E	13005	207-2420	●				
110V, 32A	2P + E	11310	207-2410	●				
110V, 32A	2P + E	13006	207-2417	●				
240V, 32A	2P + E	11312	207-2412	●				
240V, 32A	2P + E	13007	207-2419	●				
415V, 32A	3P + N + E	11316	207-2414	●				

658975

Switched-Interlocked RCD Protected Sockets



The Switched Interlocked units incorporate a mechanical interlock mechanism which prevents the switch from being turned 'ON' until the plug is fully inserted. The plug cannot be withdrawn until the switch is turned to the 'OFF' position. The switch can be padlocked in the 'OFF' position. Units are supplied with RCD (for earth fault protection) with sensitivity of 30mA/30MS as standard. All units are internally PRE-WIRED.

- 16A Socket = 25A RCD
- 32A Socket = 40A RCD
- IP67 Protection



Voltage & Amps		Poles	Mftrs. List No.	Order Code	Price Each	
					1+	5+
240V, 16A	2P + E	880118	207-2421	●		
240V, 32A	2P + E	880122	207-2422	●		
415V, 16A	3P + N + E	880142	207-2423	●		
415V, 32A	3P + N + E	880146	207-2424	●		

658980

Mains Leads

Plug to Bared Ends, 2m/3m

5A & 13A Cable, Black or White



Manufactured to **ASTA, BS1363A, 1984**, available in either black or white.

Warning: The free cable end has stripped conductors and therefore should not be used by untrained personnel.

Cable length=2m or 3m, Diameter=6.9-7.2, Free end stripped=40, Conductors bared=10

Cable capacity 6A @ 250V ac (0.75mm²), 13A @ 250V ac (1.25mm²) to **BASEC BS6500**
Fuse supplied 5A & 13A in accordance with **BS, ASTA** and **BEAB** requirements, fuse interchangeable

209345

		Price Each						
		Order Code	1+	10+	50+	100+	250+	500+
5A white 2m	112-4370	●						
5A black 2m	112-4371	●						
13A black 2m	112-4373	●						
13A black 3m	112-4398	●						



TROUBLESHOOTING TIPS

Chat online to one of our technical engineers at **farnell.com**

2 Pin to 13A Plug, 2m

Figure '8' Connector



- Ideal for use on portable equipment
- The 2 pin Class 2 socket has **BSI, VDE** and **SEMKO** approval
- Meets **BS4491.EN60.320**
- 13A plug approved by **ASTA** to **BS1363A**, 2m of 0.75mm² approved to **BASEC BS6500**

Hole centres=8.6, Body length=51mm
Cable length=2m

Cable capacity	2.5A @ 250V ac oval mains cord	Cable and connector housings	Black PVC
Fuse supplied	13A (interchangeable)	Plug contacts	Brass
		Socket contacts	Phosphor Bronze

209331

		Price Each					
Length	Order Code	1+	25+	50+	100+	250+	500+
2m	112-4388	●					

Figure 8 Connector to UK Plug



- Black UK plug to standard figure 8 connector
- Non-rewireable
- Plugs fitted with 3A fuses
- 2m 0.75mm 3 core cable

232594

		Price Each			
Length	Order Code	1+	25+	50+	100+
2m	152-2217	●			

13A Plug Lead, 2m/3m

Black, Grey or White



- High quality non-rewireable cable assemblies
- Meets harmonised European standard **BS4491.EN60.320**
- Choice of 2m or 3m of 1.0mm² cable approved to **BASEC BS6500**
- Plug fitted with a 13A fuse and manufactured to **ASTA BS1363A**
- IEC socket approved to **BSI, VDE, NFUSE, OVE, CEBEC, NEMKO, DEMKO, SEMKO, SE-TI, IMQ, SEV** and **KEMA-KEUR**

Body length=65 (straight) 45 (right angle),
Cable length=2m or 3m

Current rating	10A @ 250V ac	Cable and connector housings	PVC
Fuse supplied	13A (interchangeable)	Plug contacts	Brass
		Socket contacts	Phosphor Bronze

Warning: The fuse supplied is designed to protect the cord set only. The appliance should be protected separately.

Réf. Fab. X-285626A = 112-4382, X-439307A = 112-4399, X-285626A = 112-4382
X-285638A = 112-4383,

219734

		Price Each					
Colour	Order Code	1+	25+	50+	100+	500+	1K+
Straight							
Black 2m	119-6440	●					
Grey 2m	112-4382	●					
Black 3m	112-4399	●					
Right Angle							
Black 2m	112-4383	●					

Heavy Duty 13A Plug Lead

Orange



- Heavy duty cable 3m non-rewireable assembly for high stress applications
- 1mm² cable approved to **BASEC BS6500**, 13A fused white plug, manufactured to **ASTA BS1363A**
- 10A cold condition approved by **BSI**
- Ideal for hospital monitoring apparatus, sound equipment, test gear and PC's

Current rating	10A @ 250V ac	Cable and connector housings	PVC
Fuse supplied	13A (interchangeable)	Plug contacts	Brass
		Socket contacts	Phosphor Bronze

Warning: The fuse supplied is designed to protect the cord set only. The appliance should be protected separately.

Mfrs. List No. X-285675A = 112-4387

219703

Length	Order Code	Price Each					
		1+	25+	50+	100+	250+	500+
3m	112-4387						

IEC Socket to Bared Ends, 2/2.5m



- 2m or 2.5m cable, 3 core 0.75mm² or 1.0mm² stripped and bared PVC cable
- Lead meets **BS4491.EN60.320**

- Approved to **BSI, VDE, IMQ, SEMKO, NEMKO,**

Socket rating 2m - 10A @ 250V
10A @ 250V ac

Cable **BS6500, UL94V-0**

209184

Colour	Length	Order Code	Price Each				
			1+	50+	100+	250+	500+
Straight							
Black	2m	131-8717					
Black	2.5m	131-8719					
Right Angle							
Black	2m	131-8721					
Black	2.5m	131-8722					

IEC Socket to Bared Ends, 3.5m - Pencon

Black or Grey



- Straight and right angle free sockets, meets European standard **BS4491, EN60.320.**
- 3.5m/1.0mm² cable is approved to **BASEC BS6500**
- 10A free socket approved to **BSI, VDE, NF-USE, OVE, CEBEG, NEMKO, DEMKO, SEMKO, SETI, IMQ, SEV** and **KEMA-KEUR**

Body length=65mm Body length=45mm
Cable length=3.5m, Diameter=6.9-7.2mm,
Free end stripped=40mm, Conductors bared=10mm

Current rating 10A @ 250V ac Cable and connector housings Black PVC
Contacts Phosphor Bronze

Mfrs. List No. X-152578A = 112-4378, X-285614A = 112-4381
X-285651A = 112-4385,

209196

Colour	Order Code	Price Each					
		1+	50+	100+	250+	500+	1K+
Straight							
Black	112-4378						
Grey	112-4385						
Right Angle							
Black	112-4381						

Hot Condition Free Socket to Bared Ends

2m



- Non-rewireable cable assembly meets European standard **BS4491.EN60.320**
- Free sockets fitted with 2m of 1.0mm² rubber cable, approved to harmonised code **H05RR-F**

Body length=67 Cable length=2m, Diameter=7.1-7.6
Free end stripped=40, Conductors bared=10

Current rating 10A @ 250V ac Housing Black glass filled polypropylene
Max. temperature 120°C Contacts Phosphor Bronze
Cable Black rubber H05RR-F 3 Core, 1mm², 10A

Mfrs. List No. X-428802A = 112-4396

209070

Length	Order Code	Price Each					
		1+	25+	50+	100+	250+	500+
2m	112-4396						

Type 2.5A Class 1

Lead 2M



Current rating 2.5A
Voltage 250Vac
Insulation resistance MΩ at 500Vdc
Dielectric strength 2000Vac 1 minute
Body material PBT 94V-0

494584

Style	Lead Length	Order Code	Price Each		
			1+	50+	100+
IEC	2M	151-6060			

2.5A Class 1



- Non-rewireable 2.5A Class 1 connector
- Black H03VV-F 3 x 0.75mm sq cable
- IEC C5/25AC5 available with UK GB13A4 plug and European ES16S plug
- Approved to BS4491/IEC320/EN60320
- Each connector undergoes 7 electrical tests
- Overall length 2m

Operating voltage 250V ac Body PVC
Current rating 2.5A Terminals Brass, Tin Plated
Insulation resistance >MΩ

209289

Description	Mfrs. List No.	Order Code	Price Each				
			1+	25+	50+	100+	250+
UK Plug	X-3076374A	112-4391					
European Plug	X-3076386A	112-4392					

IEC Shrouded Plug to Socket Lead



- IEC shrouded plug to IEC shrouded socket
- Available in black in 4 different lengths

232596

Length	Order Code	Price Each		
		1+	25+	50+
0.5m	128-6428			
1m	121-1417			
5m	128-6430			

IEC Plug to Bared Ends, 2m



- Non re-wireable, sonic welded power take off plug
- 2m of 3 core, 0.75mm² stripped and bared PVC cable to **BS6500**

209061

Length	Order Code	Price Each				
		1+	50+	100+	250+	500+
2m	131-8723					

IEC Plug to Bared Ends, 2m



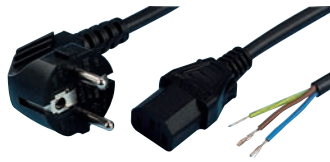
- Non re-wireable, side entry power take-off plug
- 2 metres, 1mm² PVC cable to **BS6500**

209131

Length	Order Code	Price Each				
		1+	50+	100+	250+	500+
2m	139-4659					

International Mains Leads

Europe, 'Schuko', 2.5m



Cable length=2.5m, Diameter=6.9-7.2mm
Free end stripped=40mm, Conductors bared=10mm

- Non-rewireable Schuko plug with dual earthing system, for use across most of Europe
- The plug complies with **CEE7 sheet VII**, approvals **VDE, IMQ, NF-USE, OVE, KEMA-KEUR, FI, SEMKO, NEMKO, and DEMKO**
- Harmonised 2.5 metre of 1.0mm² to **CENELEC H021**
- 10A free socket complies with **EN60.320**, has same approvals as the plug plus **SEV**

Current rating 10A @ 250V Plug contacts Brass, nickel plated
Cable and Connector housings Black PVC Socket Contacts Phosphor Bronze

219691

	Order Code	Price Each					
		1+	25+	50+	100+	250+	500+
IEC socket	112-4379						
Bared ends	112-4386						

Series 1352 and 1360



- Universal IEC Mains lead
- Schuko plug to IEC cold condition socket

Rated current 10A/250V AC
Length 1.5 oder 3.0m
Colour Black

1352/1.5m SW

Mfrs. List No.	Length (m)	Lead
1352/1.5m SW1352/1.5mSW	1.5	H05W-F3G1 PVC insulated
1352/3m SW1352/1.5mSW	3.0	H05W-F3G1 PVC insulated
1360/3m SW1352/1.5mSW	3.0	H05RR-F3G1 Vulcanised plastic

232428

Mfrs. List No.	Order Code	Price Each			
		1+	10+	50+	100+
1352/1.5m SW1352/1.5mSW	128-9425				
1352/3m SW1352/1.5mSW	128-9426				
1360/3m SW1352/1.5mSW	128-9427				

Td-Apparatus Cable



- Swiss Td apparatus cable
- T12 plug to IEC T12/T113
- PVC insulation and insulators
- 3 x 0.75mm
- Length: 3m
- Colour: black

232429

Version	Order Code	Price Each			
		1+	5+	10+	50+
Hot	400-2416				

Extension Lead



- Schuko- Extension lead
- Straight plug, Straight coupling
- Lead, H05VVF 3G 1,5mm²

239113

Mfrs. List No.	Length	Order Code	Price Each
Black			1+
1165430	3m	130-6051	

Schuko Extension



- Extension lead with plug and socket
- VDE/GS approved

Current rating 16A/250V AC
Colour White
Leads 1067 H05W-F3G1/G1,0
1055 H05W-F3G1/G1,0

232427

Length (m)	Mfrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
2	1055/2m WS	120-7928				
3	1067/3m WS	128-9434				
5	1067/5m WS	826-716				

Series 1550 Small Appliance Supply Cable



Small appliance supply cable with injection-moulded Euro connector to **DIN 49464 F, CEE 7/XVI** and injection-moulded CEE appliance plug socket to **DIN 57625, Standard sheet C7**.

Applications include:

Office machines, computers, radio cassettes, video recorders, etc.

Load capacity: 2.52.5/250V Cable: H03VVH2-F2x0.75

INS175/239316

Length (m)	Mfrs. List No.	Colour	Order Code	Price Each			
				1+	10+	50+	100+
2	15501550	Black	841-614				
2	1550/2.0GR1550/2.0 GR	Grey	128-9437				

Series 1650



Extensions with Euro connector to EN 50075/VDE0620/101/5.92 and Euro-coupling NBN 50/8/81, both permanently injection-moulded.

Load capacity: 2.5A/250V Cable: H03 VV H2-F2 x 0.75 (ribbon cable)

239322

Mfrs. List No.	Length (m)	Colour	Order Code	Price Each			
				1+	10+	50+	100+
1650	2	White	826-686				
1650	3	White	826-698				
1650	2	Black	826-832				
1650	3	Black	128-9435				

Switzerland, 2.5m



- Non-rewireable lead for use in Switzerland
- Plug complies with Swiss standard **ASE1011(1959) Type 12**
- 2.5 metres of 1.0mm² cable

Current rating 10A @ 250V Cable and Connector housings Black PVC Plug contacts Socket Contacts Brass, Nickel plated Phosphor Bronze

209114

Order Code	Price Each					
	1+	25+	50+	100+	250+	500+
112-4404						

Italy, 2.5m



- A non-rewireable lead for use in Italy
- Plug complies with Italian standard CEI 23-16
- 2.5 metres of 1.0mm² cable

Current rating 10A @ 250V Cable and Connector housings Black PVC Plug contacts Socket Contacts Brass, Nickel plated Phosphor Bronze

209113

Order Code	Price Each					
	1+	25+	50+	100+	250+	500+
112-4403						

US Mains Cord 3m



- Mains cable for use in US and Canada
- **UL498** Non-rewireable Plug
- 3 metres of 18 AWG White cable

Connector Type	Voltage Rating AC	Colour	Conductor Size	Order Code
American Plug	220	Black	18AWG	151-6062
US	220	White	18AWG	210-2489

656868

Mfrs. List No.	Order Code	1+	10+	25+	50+	100+
JA201	151-6062					
JA201-WHITE	210-2489					

North America, 2m



- Non-rewireable lead suitable for use in USA and Canada
- Plug, **UL498** recognised and **CSA 22.2 No.42**
- 2 metres of light duty 18 AWG SVT cable
- Available with or without IEC socket

Cable length = 2m, Diameter = 6.6mm - 6.9mm
Current rating 10A @ 125V
Cable and Connector housings Black PVC/PVC

Plug contacts Brass, Nickel plated
Socket Contacts Phosphor Bronze

219690

Order Code	1+	25+	50+	100+	250+	500+
Plug to IEC Socket						
112-4380						
Plug to Bare Ends						
112-4393						

Australia, 2.5m



A non-rewireable lead for use in Australia, New Zealand, Fiji, Papua New Guinea and ROC. The plug complies with **AS3112-1990** and **NZSS198-1967**. Two and a half metres of 1.0mm² cable to harmonised code **H05VV-F** interconnect the moulded plug and 10A IEC free socket. The socket is approved to **NEMKO, NF-USE, DEMKO, CEPEC, BSI, IMQ, VDE, SEV, KEMA-KEUR, FI, OVE, and SEMKO**.

Cable length=2.5m, Diameter=6.9-7.2mm
Mfrs. List No. X-428796A = 1124394
Current rating 10A @ 250V
Cable and Connector housings Black PVC

Plug contacts Brass
Socket Contacts Phosphor Bronze

209073

Order Code	1+	25+	50+	100+	250+	500+
112-4394						

IEC Free Sockets

IEC Socket

Class I



Current rating 2.5A
Voltage 250Vac
Insulation resistance MΩ at 500Vdc

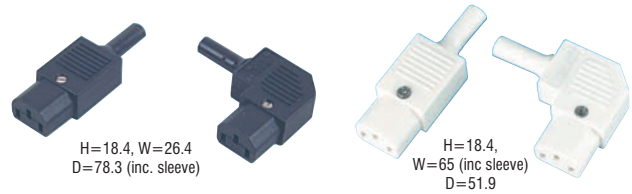
Dielectric strength Body material 2000Vac 1 minute PBT 94V-0

494552

Style	Order Code	1+	50+	100+
Free	151-6052			
Side Entry Free	151-6053			
R/A Free	151-6054			
Socket, Free Hot	151-6055			

Rewireable Free Sockets

Black and White



H=18.4, W=26.4
D=78.3 (inc. sleeve)

H=18.4,
W=65 (inc sleeve)
D=51.9

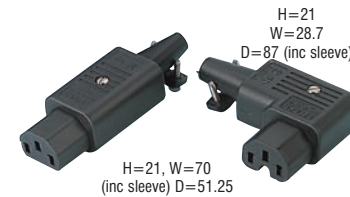
- Rewireable, line socket style connectors, complies with **BS4491**
- Internal screw terminations and strain relief
- Approvals: **UL, CSA, VDE, IMQ**

Contact rating	10A @ 250V	Housing Contacts	Nylon UL94V-0 Brass, Nickel Plated
Mfrs. List No.	PX0587 = 117-2509 PX0587/SE = 117-2510	PX0587/WH = 117-2511 PX0587/SE/WH = 117-2512	

249537

	Order Code	1+	50+	100+	250+
Black					
Straight	117-2509				
Right angle	117-2510				
White					
Straight	117-2511				
Right angle	117-2512				

Rewireable Free Sockets



H=21
W=28.7
D=87 (inc sleeve)

- Pillar terminals for reliable and speedy wiring
- Integral moulded cable clamp
- Captive threaded Screws
- Interlocking front faces for ease of assembly
- Straight and right angled versions
- Approvals, **BSI, VDE, CSA & UL Recognised**

Contact rating	10A @ 250V	Housing Contacts	Black nylon UL94V-0 Brass, Nickel Plated
Mfrs. List No.	4782 = 112-5810 4785.0000 = 112-5811 4781.0100 = 112-5804 4784.0100 = 112-5805		

219732

	Order Code	1+	10+	50+	100+	250+	500+
Straight	112-5810						
Right Angle	112-5811						
Straight Hot	112-5804						
Right Angled Hot	112-5805						

Rewireable Side Entry Free Socket



- Rewireable side entry free socket,
- complies with **BS4491** and **EN60.320** requirements
- Internal screw terminations and strain relief
- Approvals: **VDE, SEMKO, CSA** and **UL Recognised**

H=70.4, W=27.4, D=38.2

Contact rating	10A @ 250V	Housing Contacts	Black nylon, UL94V-0 Brass, Nickel Plated
Mfrs. List No.	PX0588		

219704

	Order Code	1+	50+	100+	250+	500+
	117-2514					

Rewireable Free Socket 16A



- Rewireable, line socket style connector
- Internal screw terminations and strain relief
- Approvals **VDE, SEMKO**

Current rating 16A
Voltage 250Vac

Mfrs. List No.	Order Code	1+	50+	100+	+
4795.0000	117-0114				

219744

Figure "8" Inlets

Panel Mount Figure 8 Inlet



- Solder terminals
- Housing is thermoplastic nylon.
- Tin plated Copper alloy terminals
- Approvals: **VDE, CSA, and UL Recognised.**

Panel Thickness Min 0.8mm Max 1.5mm
 Panel cutout 12.5mm x 24.5mm
 Withstand voltage 2000VAC@1min
 Insulation resistance
 Housing Nylon 66, UL94V-0

236523

Mftrs.	List No.	Order Code	1+	50+	100+	250+
	JR-201S	952-1658				

Fig 8 IEC Inlet PCB Mount



- PCB terminals, Length 5.3mm, 2.5 x 1, 1mm, Pinning 11.0mm
- Housing is Thermoplastic nylon
- Tin plated copper alloy terminals

Panel Thickness. 0.8mm to 1.5mm
 Panel cut out. 12.5mm to 24.5mm
 Contact rating 2.5A @ 250V AC
 Withstand voltage 2000VAC@min
 Insulation resistance 100Mohm @500V dc
 Housing Nylon 66, UL94V-0

236524

Mftrs.	List No.	Order Code	1+	50+	100+
	JR-201S (PCB)	924-8161			

IEC Inlets



3 Pin Class I



- Chassis mounting
- Available with solder terminals or right angled PCB terminals
- Approvals **VDE, DEMKO, SEMKO, FEMKO**
- **UL Recognised**

Current rating 2.5VA
 Voltage 250Vac
 Insulation resistance MΩ at 500Vdc
 Dielectric strength 2000Vac 1 minute
 Body material PBT 94V-0

219746

Mftrs.	List No.	Order Code	1+	50+	100+	250+	500+
		Solder Terminals 4791	112-5806				
		PCB Terminals 4791.01	112-5807				

Flange Fixing / Snap Fit



- Panel mount IEC inlet
- Screw or snap in

Panel Cut-out 20.0mm x 27.7mm
 Frame Size - Screw 50.0mm x 22.0mm
 Height above panel - Screw 5.7mm
 Solder Tags - Screw 5.5mm x 4.0mm x 0.8mm
 Panel Thickness - Snap In Min 0.8mm Max 3.0mm
 Height above panel - Snap In 3.0mm
 Solder Tags - Snap In 7.3mm x 4.7mm x 0.8mm

Current rating: 10A @ 250V ac
 Dielectric strength: 2000V @ 1 Min.
 Insulation resistance: MΩ @ 500 V DC
 Current rating: 10A @ 250V ac
 Material: UL94V-0PBT

236519

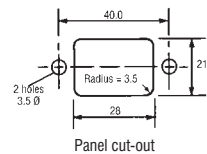
Mftrs	List No	Description	Order Code	1+	50+	100+
	JR-101	Screw	952-1631			
	JR-101S-G	Snap In	952-1640			



TROUBLESHOOTING TIPS

Chat online to one of our technical engineers at **farnell.com**

Flange Fixing - Flat Face



Conform to **CEE22** and **BS4491**.

Contact rating 10A @ 250V
 Temperature rating 105°C max.
 Terminations 6.35mm x 0.8mm

Housing Black noryl, UL94V-0
 Contacts Brass, Nickel Plated
 Terminations 6.35mm x 0.8mm

Mftrs. List No. 520-0000-95

219692

5 Per Pack	Order Code	1+	20+	50+	100+	200+
	110-1137					

IEC Inlets and Outlets 6100/6600 Series



- Screw or snap in versions
- Screw mount from front or rear
- Panel thickness 1.5mm snap in
- Protection Class 1
- 6.3 x 0.8 Tab Terminals
- Pin Temperature 70 °C
- Outlets comply to EN 60320-2-2/F & IEC 60320-2-2/F
- Inlets comply to EN 60320-1/C14 & IEC 60320-1/C14
- Approvals **VDE, CSA, SEV, OVE, SEMKO**
- **UL Recognised**

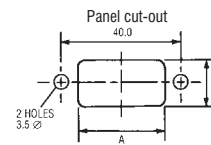
Outlet Panel Cut Out 24.8mm x 32.5mm
 Inlet Panel Cut Out 20.0mm x 27.5mm

Contact rating 10A
 Voltage rating 250V AC
 Insulation resistance ≥ MΩ
 Dielectric strength Housing 2000V AC
 Thermoplastic UL94V-0

236890

Mftrs.	List No.	Order Code	1+	10+	50+	100+
		Outlet - Screw Mounting				
		6600.3300	965-7029			
		Inlet - Snap In				
		6100.4315	952-3855			

Flange Fixing Black and White



A front or rear panel mounting mains inlet connector approved to **BS.4491.EN60.320**. Approvals **CSA, VDE, BS, SEMKO, IMQ**, and **UL Recognised**.

Contact rating 10A @ 250Vac
 Housing Nylon, UL94V-0
 Terminations 2.8mm x 0.5mm

Mftrs. List No: PX0580/28 = 313-737 PX0580/63 = 313-749 PX0580/63/WH = 428-5967

249599

Termination	Size	Order Code	1+	50+	100+	250+
Black	2.8mm	313-737				
	6.35mm	313-749				
White	6.35mm	428-5967				

Snap Fit



- Provides a quick and easy installation option for **BS.4491.EN60.320** style connectors
- Front mounting only
- Approvals: **BSI, IMQ, CSA, VDE, and UL Recognised**,

Panel cut-out=27.4 x 19.8, 1.5mm panel thickness

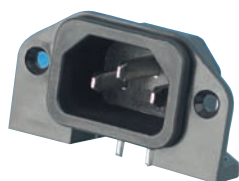
Contact rating 10A @ 250Vac
 Temperature range -40°C to +70°C
 Terminations Solder
 Housing Black, glass filled nylon UL94V-0
 Contacts Brass, Nickel Plated

Mftrs. List No: PX0575/15/28 = 313-762 PX0575/15/63 = 469-658

219743

Termination	Size	Order Code	1+	50+	100+	250+	1K+
	2.8mm	313-762					
	6.35mm	469-658					

PCB Mounting

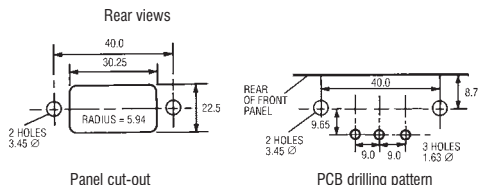


- RA panel mount IEC inlet
 - PCB hole dia 1.8mm - 7mm spacing
- | | |
|-----------------------|-------------------|
| Panel Thickness | 0.8mm to 3.0mm |
| Panel cut out | 22.8mm x 30.8mm |
| Contact rating | 10A @ 250V |
| Dielectric strength | 2000Vac @ 1min |
| Insulation resistance | 100MΩ @ DC 500V |
| Housing | Nylon 66, UL94V-0 |

236520

Mfrs. List No.	Order Code	1+	50+	100+
JR-101-1	924-8153			

PCB Mounting



A right angle PCB mounting inlet manufactured to **BS4491.EN60.320** requirements, available with or without insulation cover. Approved to **BSI, VDE, CSA, SEMKO, IMQ and UL Recognised**

Contact rating	10A @ 250Vac	Housing	Black nylon UL94V-0
Temperature range	-40°C to +70°C	Contacts	Brass, Nickel Plated

Mfrs. List No: PX0580/PC = 313-853 PX0580/PC/12132 = 209-259

209304

	Order Code	1+	50+	100+	250+	1K+
Without cover	313-853					
With cover	209-259					

Flange Fixing 16A



- IEC 320 C20 chassis plug
 - 6.3mm blade terminals on rear for push on receptacles or soldering
 - Approvals **VDE, CSA, and UL Recognised**
- | | |
|----------------|-------------------|
| Current rating | 16A |
| Voltage | 250Vac |
| Housing | PBT |
| Contacts | Brass, pre-tinned |
| Terminations | Quick Connect |

219749

Mfrs. List No.	Order Code	1+	50+	100+	250+	500+
4798.9	113-7752					

IEC Inlets with Fuse

Snap Fit

5 x 20mm Fuse Drawer



- Panel mount fused IEC inlet.
 - Solder terminals 7.5mm x 4.7mm x 0.8mm
- | | |
|------------------------|-------------------|
| Panel thickness. | 0.8mm - 2.0mm |
| Panel cut out. | 27.0mm - 31.5mm |
| Height above panel. | 5.0mm |
| Voltage rating. | 250V10A AC |
| Dielectric Strength | 2000 VAC / 1 Min |
| Insulation resistance. | 100 MΩ @ 500V DC |
| Housing. | UL94V-0/Nylon 6.6 |

236521

Mfrs. List No.	Order Code	1+	50+	100+
JR-101-1FS	952-1623			

Fused IEC Inlet



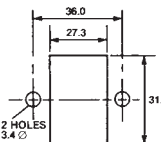
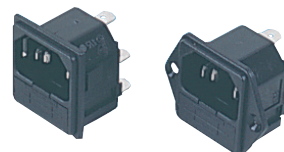
- Solder terminals 7.5mm x 4.7mm x 0.8mm
 - Fuse drawer 5x20mm
- | | |
|-----------------------|-------------------|
| Panel cut-out | 27mm x 31mm |
| Approvals | VDE |
| Contact rating | 10A @ 250V ac |
| Withstand voltage | 2000V @ 1Min |
| Insulation resistance | MΩ @ 500V dc |
| Housing | Nylon 66 UL 94V-2 |
| Operating Temp. | -25°C to 85°C |

236522

Mfrs. List No.	Order Code	1+	50+	100+	250+
JR-101-1F	952-1615				

Fused Inlets

20 x 5mm Fuse Drawer, Snap Fit or Flange Fixing



Panel cut-out.
For snap fit ignore screw fixing hole (1.5mm panel thickness)

- Panel mounting combination mains inlet/fuseholders
- Complies with **BS4491.EN60.320**
- Fuse draw protected to **PC2, IEC127/6** and incorporates a working 20 x 5mm fuse plus a spare
- Approvals: **CSA, VDE, IMQ, SEMKO and UL Recognised**

Contact rating	10A @ 250Vac fused	Terminations	6.35mm x 0.8mm
Housing/Screw mount	Black nylon	Fuseholder	20mm x 5mm
Snap fit	Brass		

Mfrs. List No: PF0011/15/63 = 313-877 PF0001/63 = 145-358

219750

	Order Code	1+	50+	100+	250+	1K+
Snap Fit PF0011/15/63	313-877					
Flange Fit PF0001/63	145-358					

Power Entry Module

6200 Series - Medical Grade



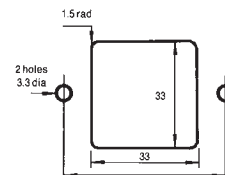
- Screw mounting, 2 x M3
- Shock safe 1 pole fuseholder, 5 x 20mm
- Plug removal necessary for fuse link replacement
- Protection Class 1, Pin Temp 70°C
- Complies to **IEC 60320-1 & EN 6032-1 C14/C15**
- Approvals: **SEV, VDE, SEMKO, CSA, OVE and UL Recognised**

Panel cut out	27.5mm x 30.5mm		
Depth behind front panel	23.5mm		
Contact rating	10A	Contact rating	10A
Voltage rating	250V ac	Temperature range	-25°C70°C To +
Contact resistance	5mΩ	Housing material	Thermoplastic UL94-V0

236892

Mfrs. List No.	Terminals	Order Code	1+	10+	50+	100+
6200.2200	4.8 x 0.8	965-7010				

Twin Fused Inlet - Panel Mounting



H=37, W=50, D=33 (behind panel 26.5)

Panel cut-out

- Double fused inlet, wired to provide fusing of live and neutral
- Approvals: **CSA, SEV, SEMKO, VDE and UL Recognised**

Current rating	6A @ 250Vac	Contacts	Brass, Nickel Plated
Temperature range	-40°C to +65°C	Fuseholders	
Housing	Black/grey thermoplastic	Terminations	4.8mm x 0.8mm

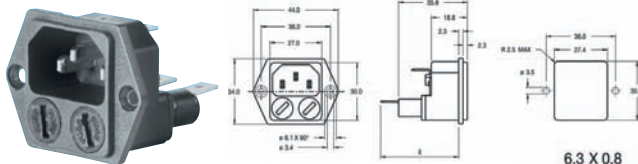
Mfrs. List No. 0040.5000.2

219754

	Order Code	1+	25+	50+	100+	250+	500+
	112-5796						

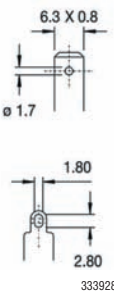
IEC Inlets with Fuse - continued

Power Entry Module Series 4707



- Panel Mount : Screw on version, Front or rear mounting
- Appliance inlet, Fuse holder takes fuse size 5 x20 mm

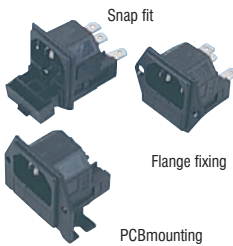
Voltage Rating 250V
Current Rating 10A
Terminals Solder or quick connect 6.35mm x 0.8mm
Fuseholder 1- or 2-pole, Shocksafe category PC2



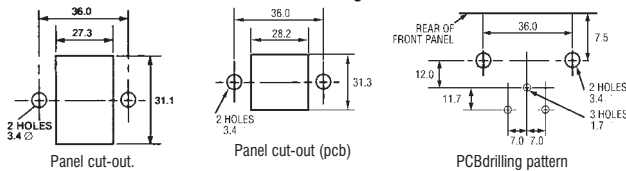
Description	Mfrs. List No.	Order Code	1+	10+	25+	50+
2pol. Quick connect	4707.2000	117-6781	●			
2pol. Solder joint	4707.2300	117-6782	●			

Twin Fused Inlets

Twin 20 x 5mm Fuse Drawer



- Each inlet has integral fuse drawer, protected to PC2, IEC127/6
- Manufactured to BS4491, EN60.320 requirements and conforms to European Safety Standards EN60.950, IEC1010-1 and IEC601
- IEC601 and BS5724 Part 1 require mandatory fitting of twin fuse protection to medical equipment
- IEC1010-1 and EN60.950 recommend use of twin fusing for laboratory and 'IT' equipment
- Approvals: VDE, CSA, IMQ, SEMKO and UL Recognised



Contact rating 10A @ 250Vac fused
Temperature -20°C to +70°C
Max dissipation per fuse 2.5W
Mfrs. List No: PF0033/15/63 = 428-760
PF0030/63 = 428-772

Housing Terminations Fuseholder Black glass filled nylon, UL94V-0
6.35mm x 0.8mm (except PCB)
Twin 20mm x 5mm
PF0030/PC = 428-784

Order Code	1+	10+	100+	250+
Snap fit	428-760	●		
Flange fixing	428-772	●		
PCB mounting	428-784	●		

IEC Inlets with Switch / Fuse



Power Entry Module With Line Switch Series DC11



- Compact Design
- Snap in or screw mounting
- Panel mount Screw on version front or rear mounting
- Snap in version front mounting
- All single elements already wired

Voltage Rating 250V
Current Rating 10A (ENEC/VDE)
12A (UL/CSA)
Terminals 4.8mm x 0.8mm
Temperature Range -25°C To +70°C

Description	Height	Width	Depth (Behind panel)	Panel Cut out
Screw mounting	34	44	32.15	31.5 x 27.5
Snap in	34	27.2	35.15	31.5 x 27.5

Description	Mfrs list No.	Order Code	1+	10+	25+
1pole. Screw Mounting	DC11.0001.003	120-7680	●		
1pole. Snap Fit	DC11.0001.203	120-7681	●		

IEC Inlet DPST with Fuse Holder



Class I



Current rating 10A
Voltage 250Vac
Insulation resistance 100MΩ at 500Vdc
Body material Nylon
Operating Temperature -25°C to 85°C

Order Code	1+	50+	100+
151-6058	●		

Inlet with fuse holder



Class I



● Red Illuminated Switch
Current rating 10A
Voltage 250Vac
Insulation resistance 100MΩ at 500Vdc
Body material Nylon
Operating Temperature -25°C to 85°C

Order Code	1+	50+	100+
151-6059	●		

Switched and Fused Inlet 20 x 5mm Fuse Drawer



H=65, W=30, D=27.5

- Snap-fit, panel mount combination, IEC320
- Mains inlet/fuseholder/switch, separately terminated
- Double pole on/off rocker switch
- Appliance inlet approved to SEV, DEMKO, NEMKO and KE-MA-KEUR

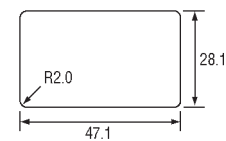
Panel cut-outs

Panel Thickness	Height	Width
0.15 - 1.0	60.8	27.2
1.5	61	27.2
1.5	61.5	27.2

Mfrs. List No.	Order Code	1+	50+	200+	500+
L2723/BLACKL2723	313-889	●			

Contact rating 6A @ 250Vac
Housing Black nylon
Contacts Fuseholder
Brass
219752

Switched and Fused Inlets 20 x 5mm Fuse Draw



- Snap-fit module IEC inlet/fuseholder/switch
- Individual termination, gives flexibility of interconnection
- DPST rocker switch
- Approvals, SEV, SEMKO, DEMKO, FIMKO, NEMKO, CSA and UL Recognised

Contact rating 10A @ 250Vac
Temperature range 0°C to +85°C
Housing Nylon 6.6 UL94V-2
Contacts Brass, Tin Plated
Fuseholders 20mm x 5mm
Terminations 4.8mm x 0.8mm
2.8 x 0.8mm push-on (switch)

Order Code	1+	50+	100+	250+	500+
964-463	●				

Switched and Fused 'Polysnap' Combinations



Single Pole Switched
H=39.1, W=62.7
Cut out: H=34.4, W=60.3

Double Pole Switched
H=39.1, W=74.5
Cut out: H=34.4, W=72.0

Fused Inlet/Outlet
H=39.1, W=79.5
Cut out: H=34.4, W=76.5

- Horizontally mounted fused and/or switched inlets
- Snap-fit fixing for 1, 1.5, 2 and 3mm panel thicknesses
- Fusedrawer protected to **PC2, IEC127/6**
- Approvals include: **CSA, VDE, SEMKO, IMQ, SEV** and **UL Recognised**

Current rating 10A, 250V Fuseholder 209009

		Price Each			
Mftrs. List No.	Order Code	1+	50+	100+	250+
Single Pole, Switched					
Non illuminated	BZH01/Z0000/01	561-228			
Red illuminated	BZH01/Z0000/02	999-7229			
Double Pole, Switched					
Non illuminated	BZH01/Z0000/10	561-241			
Red illuminated	BZH01/Z0000/11	999-7237			
Fused Inlet/Outlet	BZH11/Z0000/00	561-265			

Switched 'Polysnap' Mini-Bezel



Single Pole, Non illuminated
H=24, W=48.5
Cut-out: H=21.3, W=45.9

Single Pole, illuminated
H=24, W=48.5
Cut out: H=21.3, W=45.9

Double Pole, illuminated
H=24, W=57.5
Cut out: H=21.3, W=54.9

- Horizontally mounted switched mains inlets
- Snap fit fixing for 1.5mm panel thickness
- Approvals include: **BSI, VDE, IMQ, SEMKO, CSA, and UL Recognised**

Current rating 10A, 250V 209063

		Price Each			
Mftrs. List No.	Order Code	1+	50+	100+	250+
Single Pole					
Non illuminated	BZM27/Z0000/53B	561-162			
Red illuminated	BZM27/Z0000/55B	999-7180			
Green illuminated	BZM27/Z0000/61B	999-7202			
Double Pole					
Non illuminated	BZM27/Z0000/57B	561-186			
Red illuminated	BZM27/Z0000/59B	999-7199			
Green illuminated	BZM27/Z0000/63B	999-7210			

Polyflange IEC Inlets

Switched and Fused Polyflange Combinations



- Flange mounted switched and fused IEC inlets
- Fuse drawer projected to **PC2, IEC 127/6**
- Approvals: **CSA, VDE, IMQ, SEMKO** and **UL Recognised**

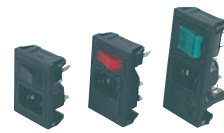
Vertical Flange
H(SP)=67.5, H(DP)=81.5, W=36.0
Cut Out: H(SP)=53.2, H(DP)=66.3, W=33.0

Horizontal Flange
H(SP)=59.0, H(DP)=72.3, W=49.3
Cut Out: H(SP)=53.2, H(DP)=66.3, W=33.0

Current rating 10A, 250V Fuseholder 5 x 20mm 227481

		Price Each			
Mftrs. List No.	Order Code	1+	50+	100+	250+
Vertical Flange					
SP Non illuminated	BVA01/Z0000/01	313-6152			
SP Red illuminated	BVA01/Z0000/02	999-7300			
DP Non illuminated	BVA01/Z0000/10	313-6176			
DP Red illuminated	BVA01/Z0000/11	999-7318			
Horizontal Flange					
SP Non illuminated	BVB01/Z0000/01	313-6190			
SP Red illuminated	BVB01/Z0000/02	999-7326			
DP Non illuminated	BVB01/Z0000/10	313-6218			
DP Red illuminated	BVB01/Z0000/11	999-7334			

Switched and Fused Inlets



Cut-out 'A'
Switched or twin fused
151-746, 150-032
Panel cut-out H=48.4,
W=34.4, Thickness=1.5 to 3
Depth behind panel=38

Cut-out 'B'
Single fuse switched
148-329, 150-031
Panel cut-out H=56.6,
W=34.4, Thickness=1.5 to 3
Depth behind panel=25.4z

Cut-out 'C'
Twin fused switched
151-747, 148-330, 150-029
Panel cut-out H=76.5,
W=34.4, Thickness=1.5 to 3
Depth behind panel=38

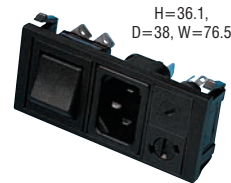
- Snap-fit, panel mount combination, fused and inlet sockets
- Each item individually terminated for flexibility of interconnection
- Twin DPST switched fuse version allows switching and fusing of live and neutral
- Manufactured to **IEC320/CEE22** and **BS4491**
- Fuse drawer/fuseholder protected to **PC2, IEC127/6**
- Approvals: **CSA, VDE, SEMKO** and **UL Recognised**

Overall current rating 10A @ 250Vac Housing Terminations Black nylon 6.35 x 0.8mm/2.8 x 05mm 219753

		Price Each						
Switch	Fuse	Neon	Order Code	1+	50+	100+	250+	1K+
Style 'A'								
Switched								
SPST	—	—	151-746					
Twin Fused								
—	Twin	—	150-032					
Style 'B'								
Single Fused Switched								
SPST	Single	Red	999-6915					
SPST	Single	—	150-031					
Style 'C'								
Twin Fused Switched								
DPST	Twin	—	151-747					
DPST	Twin	Red	999-6923					
DPST	Twin	Green	999-6990					

Switched and Fused Inlet

Voltage selection



- Fused and switched inlet, with voltage selection, 240/120 Vac
- Suitable for panel thickness 1, 1.5, 2 & 3mm
- Fuseholder protected to **PC2, IEC127/6**
- Approvals, **VDE, SEMKO, and CSA**

Current rating 10A @ 250Vac
Contacts Brass, Nickel Plated
Housing Black Nylon
Fuseholder
Mftrs. List No. BZV03/Z0000/15

		Price Each					
Order Code		1+	50+	100+	250+	500+	1K+
964-566							

IEC Inlet with Outlets

Combined Inlet with 1-4 Outlets

Snap Fit



Contact Rating 10A @ 250V ac
15A @ 250Vac (UL)

Temperature Range -20°C to +70°C

Terminations Solder
Inlets 4.8mm x 0.8mm
Panel Thickness 1.50mm
Housing Glass Filled Thermoplastic UL94V-0
Contacts Brass, Tin Plated

No. Ways	Height (mm)	Width (mm)	Depth behind panel (mm)
1	57.1	35.0	28.2
2	81.1	35.0	28.2
3	105.1	35.0	28.2
4	129.1	35.0	28.2

- Fused mains inlets, combined with 1,2,3 or 4 outlets
- Outlets pre-wired with solid busbars
- One piece moulded
- Approvals: **cUL Recognised**

		Price Each				
No. of Ways	Mftrs. List No.	Order Code	1+	25+	50+	100+
1	PX0718/1/15/ST	112-4128				
2	PX0718/2/15/ST	112-4129				
3	PX0718/3/15/ST	112-4130				
4	PX0718/4/15/ST	112-4131				

IEC Inlet with Outlets - continued

209291

Compact 4 Way Distribution Boards



1347643

1347644

- IEC Inlet or 2m Cable with BS1363 Plug
- H=150mm W=44mm D=38mm

Housing	ABS, UL94V-0	Proof Rating	2KV
Voltage Rating	250V	Temperature Range	-5°C to +60°C
Current Rating	10A		

467410

Mftrs.		Price Each				
List No.	Order Code	1+	10+	25+	50+	
1	PXD200	134-7643				
with cable	PXD201	134-7644				

IEC Outlets

Flange and Snap Fit Fixing

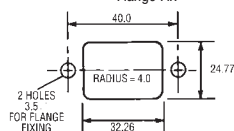


Flange Fix

Snap Fit

Flange Fix

Panel mounting mains outlets available with flange fixing or a snap-in version for quick and simple installation. Designed for power take-off applications and complying with EN60.320/2/2. Approved to VDE, CSA, IMQ, SEMKO and UL Recognised. A rear insulation boot is available for improved safety, Order Code 151-743.



Panel cut-out 1.5mm panel thickness for snap-fit

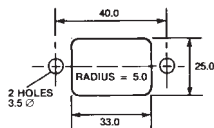
Contact Rating	10A @ 250Vac	Contacts	Brass, Tin Plated
Temperature Range	-40°C to +70°C	Terminations	6.35mm x 0.8mm fast-on
Housing	Nylon to UL94V-0		

Mftrs. List No:	PX0675/63 = 313-701	PX0695/15/63 = 151-742
	PX0675/63/WH = 428-5992	PX0783/15/63 = 561-277

249541

		Price Each			
Order Code		1+	50+	100+	250+
Flange fix - Black	313-701				
Flange fix - White	428-5992				
Snap-fit - Black	151-742				
Shutter snap-fit - Black	561-277				

Flange Fixing



Panel cut-out

Complying with IEC320 and designed for power take-off applications. The units are available fully shuttered. Approvals: VDE, CSA and UL Recognised. A rear insulation boot is available for improved safety, Order Code 151-743

Contact Rating	10A @ 250Vac	Housing	Black noryl to UL94V-0/UL94V-0
Temperature Range	-40°C to +65°C	Terminations	6.35 X 0.8mm Fast on.

219722

		Price Each						
Termination	Size	Order Code	1+	10+	50+	100+	250+	500+
Shuttered	6.35mm	112-5790						

Shuttered Snap Fix Class 1



- Supplied with 6.3mm tab terminals
- Approvals CSA, VDE, BSI and UL Recognised

Body Mouldings	Black noryl UL94V-0
Shutters	Acetal Kemetel
Contacts	Brass, Bright Electro-Tin plated
Shutter Spring	Galvanised Steel

Mftrs. List No.	Panel Thickness	Order Code	1+	50+	100+	250+	500+	1K+
4723.00000000	1mm	112-5800						
4724.0000.0000	1.5mm	112-5802						
4725.00000000	2mm	112-5803						

IEC Inlets and Outlets

6100/6600 Series



- Screw or snap in versions
- Screw mount from front or rear
- Panel thickness 1.5mm snap in
- Protection Class 1
- 6.3 x 0.8 Tab Terminals
- Pin Temperature 70 °C
- Outlets comply to EN 60320-2-2/F & IEC 60320-2-2/F
- Inlets comply to EN 60320-1/C14 & IEC 60320-1/C14
- Approvals VDE, CSA, SEV, OVE, SEMKO
- UL Recognised

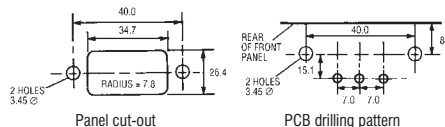
Outlet Panel Cut Out	24.8mm x 32.5mm
Inlet Panel Cut Out	20.0mm x 27.5mm

Contact rating	10A	Dielectric strength	2000V AC
Voltage rating	250V AC	Housing	Thermoplastic UL94V-0
Insulation resistance	≥ MΩ		

236890

Mftrs.		Price Each			
List No.	Order Code	1+	10+	50+	100+
Outlet - Screw Mounting					
6600.3300	965-7029				
Inlet - Snap In					
6100.4315	952-3855				

PCB Mounting



A right angle PCB mounting mains outlet manufactured to EN60.320/2/2 and BS4491. Designed for power take-off applications with an additional earth tag and either panel or PCB fixing holes. Approvals: VDE, CSA, SEMKO, IMQ and UL Recognised.

Contact Rating	10A @ 250V ac	Housing	Black, nylon
Temperature Range	-40°C to +70°C	Contacts	Brass, Tin Plated

Mftrs. List No. PX0675/PC

209165

		Price Each				
Order Code		1+	50+	100+	250+	1K+
151-748						

Outlet, 2, 3 and 4 way - Snap-Fit



Way	H=	W=	D=behind panel=
4 Way	98.04	35.05	30.22
3 Way	76.0	35.05	30.33
2 Way	51.05	35.05	30.22

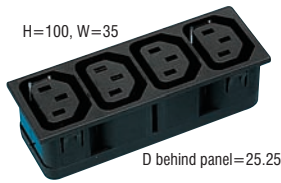
- Pre-wired with solid busbars, 2.8mm solder tags
- One piece moulded
- Approvals: VDE, SEV, SEMKO, CSA and UL Recognised

Contact Rating	10A @ 250V ac	Terminations	2.8mm x 0.8mm
Temperature Range	15A @ 250Vac (UL, CSA)	Housing	Nylon UL94V-0
	-20°C to +70°C	Contacts	Copper Alloy, Tin Plated

209197

No. of Ways		Price Each			
Mftrs. List No.	Order Code	1+	50+	100+	250+
2	PX0714/2/15/28	865-308			
3	PX0714/3/15/28	463-5760			
4	PX0714/4/15/28	865-310			

Outlet, 4 way Snap-Fit 'Quadbloc'



H=100, W=35

D behind panel=25.25

- Prewired single piece busbar
- Fully enclosed design
- Both 6.3mm push-on and solder tabs
- Approvals, on IEC 320 outlets VDE, BSI, CSA & UL Recognised

Contact Rating 10A @ 250Vac
 Temperature Range -20°C to +70°C
 Terminations 6.35mm x 0.8mm
 Housing Nylon UL94V-0
 Contacts Brass, Tin Plated

209226

Panel Thickness	Mfrs. List No.	Order Code	Price Each			
			1+	10+	25+	50+
1mm	4752.3000	952-3839				
1.5mm	4752.4000	117-6784				
2mm	4752.5000	120-4852				

'Twinbloc' Adaptor



The 'Twinbloc' enables two pieces of equipment to be powered from a single source. A single inlet links to two shuttered outlets.

H=42, W=72, D=53

Contact Rating 10A @ 250V ac
 Temperature Range -20°C to +65°C
 Housing Black noryl, UL94V-0
 Contacts Brass, Tin Plated

Mfrs. List No.: 4741

209062

Order Code	Price Each			
	1+	10+	25+	50+
112-5799				

Insulation Boots



A range of black PVC insulation boots to **UL94V-0** suitable for protecting a variety of IEC inlets, outlets and filters, as listed below.

209292

Order Code	Price Each			
	1+	100+	250+	500+
313-774				
151-743				
427-330				
313-798				

5 per pack	Price Per Pack			
	1+	50+	100+	200+
240-400				

Retaining Kits and Flange



313-816

Spring retaining clips to prevent accidental disconnection of mated connectors.

Spring Kits	Panel Mounting Inlet/Outlet/Filter	Free Plug/Socket	Spring Clip or Flange	
	Order Code	Order Code	Mfrs. List No.	Order Code
	313-749, 313-737, 313-701	313-713, 148-701, 209-235 257-813	KT0006	313-804
	149-874 to 149-876	313-713, 148-701, 209-235	KT0006	313-804
	149-885, 149-886	313-713, 148-701, 209-235	KT0006	313-804
	151-745	650-651	KT0006	313-804
	313-932	313-920	KT0007	313-816
		313-713, 148-701, 209-235	KT0007	313-816
	145-358	313-713, 148-701, 209-235	KT0009	313-830

224240

Order Code	Price Each			
	1+	50+	100+	250+
313-804				
313-816				
313-830				

Power Outlet Module

4797 Series - Snap-in



- Protection Class 1, Pin Temp 70°C
- Quick connect terminals 6.3 x 0.8 mm
- Approvals. CSA, ENEC and UL Recognised

Voltage Rating 250V
 Current Rating 16A
 Temperature range -25°C To +70°C

450021

Mfrs. List No.	Panel Thickness	Order Code	Price Each		
			1+	50+	100+
4797.0015	1.5mm	125-1689			

IEC Outlet Module

4797 Series - Screw Mounting



- Panel Mount
- Screw Mounting
- Pin Temperature 70°C

Voltage Rating 250V
 Current Rating 16A
 Temperature range -25°C To 70°C

485544

Mfrs. Terminal	List No.	Order Code	Price Each			
			1+	50+	100+	250+
Tab	4797.0000	143-7557				
Solder	4797.3000	143-7558				

Locking IEC Outlets

C13 IEC Outlet

NEW

burland
thinking beyond the box ...

Plug Retention Feature



- Patented locking system securely locks IEC cables into the female housing
- Snap-in mounting from the front
- Solder terminal or quick connect from single terminal
- Protection Class 1
- Rated current = 10A, rated voltage = 250V
- IEC/EN 60320-2-2/F

618754

Colour	Mfrs. List No.	Order Code	Price Each			
			1+	50+	100+	250+
White	BTSC13L/1W	182-4872				
Black	BTSC13L/1B	182-4873				

Locking IEC Power Cords

IEC Inlet Coupling Cables

SCHAFFNER

NEW



Schaffner power cords with IEC lock guard against accidental disconnection of electrical appliances with an IEC inlet. No exchange or modification of the IEC inlet or IEC inlet filter system is needed. Easy retrofit for all electronic equipments and devices.

- Locking system for standard IEC C14 inlet
- No accidental disconnection
- Rated current up to 10A
- Fits any SCHAFFNER IEC C14 inlet filter
- Retrofit for any IEC C14 inlet
- Various power line plugs for international usage

Cable Length (M)	Connector Type (A)	Connector Type (B)	Mfrs. List No.	Order Code
2	IEC Socket	IEC Plug, C14	IL13-C14-H05-3100-200	206-3259
2	IEC Socket	CEE7/7 Plug, R/A	IL13-EU1-H05-3100-200	206-3260
1.83	IEC Socket	NEMA 5-15PP Plug	IL13-US1-SVT-3100-183	206-3261
2	IEC Socket	BS1363 Plug, R/A Fuse 5A	IL13-UK1-H05-3100-200	206-3262

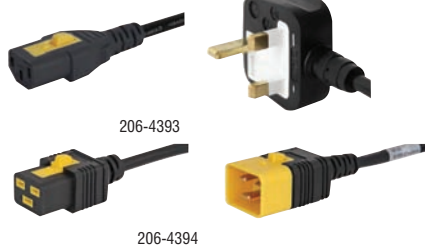
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Mfrs. List No.	Order Code	Price Each			
		1+	10+	25+	50+
IL13-C14-H05-3100-200	206-3259				
IL13-EU1-H05-3100-200	206-3260				
IL13-US1-SVT-3100-183	206-3261				
IL13-UK1-H05-3100-200	206-3262				

C13 IEC Power Cables



V-Lock



NEW

Schurter V-Lock power cords guard against accidental disconnection of electrical appliances with an IEC inlet. No exchange or modification of the IEC inlet or IEC inlet filter system is needed. This system works in such a way that there is a pin in the socket, interlocking with a notch in the plug and thus prevents an unintentional pullout of the power cable. The advantage of this system is that there is no need for a specific socket system or retaining device that has to be adapted and built-in.

The power cord is released by pressing on the releasing lever. This lever is easily detected by its bright yellow colour and thus distinguishes this system from existing power cable connections. The extraction force is a minimum of 200 N. Typical applications are in medical appliances, analysis and laboratory instruments, Telecom and IT- devices, power distribution or radio and TV-studios.

Cable Length (M)	Connector Type (A)	Connector Type (B)	Mftrs. List No.	Order Code
Mains Lead				
2	US Plug (NEMA 5-15)	C13 Socket	6051.2001	206-4391
2	EU Plug (CEE 7/V11)	C13 Socket	6051.2003	206-4392
2	UK Plug (BS1363)	C13 Socket	6051.2008	206-4393
Extension Lead				
2	IEC Inlet	C13 Socket	6051.2007	206-4394

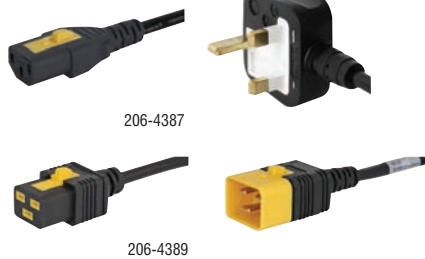
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Mftrs. List No.	Order Code	1+	10+	25+	50+	100+
Mains Lead						
6051.2001	206-4391					
6051.2003	206-4392					
6051.2008	206-4393					
Extension Lead						
6051.2007	206-4394					

C19 IEC Power Cables



V-Lock



NEW

Schurter power cords with IEC lock guard against accidental disconnection of electrical appliances with an IEC inlet. No exchange or modification of the IEC inlet or IEC inlet filter system is needed. Easy retrofit for all electronic equipments and devices.

Cable Length (M)	Connector Type (A)	Connector Type (B)	Mftrs. List No.	Order Code
Mains Lead				
2	US Plug (NEMA 5-15)	IEC Socket	6051.2041	206-4385
2	EU Plug (CEE 7/V11)	IEC Socket	6051.2043	206-4386
2	UK Plug (IEC 60320-2-2)	IEC Socket	6051.2048	206-4387
Extension Lead				
2	IEC Inlet	IEC Socket	6051.2047	206-4389

661926

Mftrs. List No.	Order Code	1+	10+	25+	50+	100+
Mains Lead						
6051.2041	206-4385					
6051.2043	206-4386					
6051.2048	206-4387					
Extension Lead						
6051.2047	206-4389					

IEC Free Plugs

IEC Moat



Current rating 10A
Voltage 250Vac
Insulation resistance MΩ at 500Vdc
Dielectric strength 2000Vac 1 minute
Body material Nylon

Style	Order Code	Price Each		
		1+	50+	100+
Plug, Free Moat	151-6056			
Plug, R/A Moat	151-6057			

Rewireable Free 'Moat' Plugs

Black and White



999-7288
H=22.6, W=29,D=78.6
(inc. grommet)



999-7270
H=22.6, W=72.1
(inc grommet), D=51.7

- IEC straight and right angle connector
- Internal screw termination

- Approvals: **SEMKO, IMQ, CSA, VDE, and UL** Recognised

Current Rating 10A @ 250Vac
Temperature Range -40°C to +70°C

Housing Nylon, UL94V-0
Contacts Brass, Nickel Plated
Cable Dia. 7.6mm max.

PX0686	=	999-7270	PX0686/WH	=	999-7342
PX0686/SE	=	999-7288	PX0686/SE/WH	=	999-7350

249540

	Order Code	Price Each				
		1+	50+	100+	250+	500+
Black						
Straight	999-7270					
Right Angle	999-7288					
White						
Straight	999-7342					
Right Angle	999-7350					

Rewireable Multi-Entry Free Plug



Rewireable side entry power take-off plug with internal screw terminations and strain relief. Unique hexagon centre plug module allows choice of **four cable positions**. **CSA** Approved and **UL** Recognised.

Mftrs. List No. PX0685

H=75 (inc sleeve), W=38.1, D=18.6 (beyond panel)

Contact Rating 10A @ 250V ac
Contact Resistance <10mΩ
Insulation Resistance >10⁴MΩ
Temperature range -40°C to +70°C

Housing Black Nylon, UL94V-0
Sleeve Black PVC
Contacts Brass, Nickel Plated
Cable dia. 7.6 max.

219698

Order Code	Price Each			
	1+	50+	100+	250+
999-7067				

Rewireable Free Plug 16A



- IEC 320 C20 power take off rewireable connector with internal screw grip cable clamping and strain relief
- Approvals **VDE, SEMKO, SEV**

Current Rating 16A
Voltage 250Vac

219745

Mftrs. List No.	Order Code	1+	50+	100+	250+	500+
4796.0000...	117-0116					

Rewireable Free Plug and Socket



- Angled for 90° entry
- Screwing cable terminal
- Pin temperature 70°C, Protection class I

- Screw clamp
- Approvals. **CSA and ENEC** Recognised

	Current Rating	Mftrs. List No.	Order Code	Price Each		
				1+	50+	100+
Plug	16A @ 250V ac	4789.1200	125-1692			
Socket		4790.1200	125-1693			

450038

IEC Hot Condition

Rewireable Free Socket

Black and White



H=18.4, W=26.4, D=79 (inc sleeve)

- Rewireable female socket connector
- Screw termination, rubber strain relief grommet ie. sleeve
- Ideal for most domestic appliances
- Manufactured to **BS4491** and **IEC320**
- Approvals include: **VDE, UL, CSA, SEMKO, NEMKO, FEMKO, IMQ, and BSI**

Contact Rating 10A @ 250V ac
Temperature Range -40°C to +120°C
Housing Matt nylon

Contacts Terminations Brass, Nickel Plated Screw

Mfrs. List No: PX0597 = 117-2515 PX0597/WH = 117-2513 249544

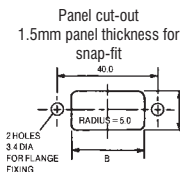
Colour	Mfrs.		Price Each			
	List No.	Order Code	1+	50+	100+	250+
Black	PX0597	117-2515				
White	PX0597/WH	117-2513				

Inlets - Panel Mounting



Flange fixing

Snap-fit



A = Flange front mounting + snap-fit = 19.8
Flange rear mounting = 22.7
B = Flange front mounting + snap-fit = 27.4
Flange rear mounting = 30.23

Panel mounting mains inlets available with flange fixing or a snap-in version for quick and simple installation. Both inlets conform to **BS4491**. **EN60.320**. The flange fixing version is also approved to **CSA, VDE, BS, SEMKO, IMQ** and **UL** Recognised. A rear insulation boot is available for improved safety, Order Code 313-774

Contact Rating 10A @ 250V ac
Temperature Range -40°C to +120°C
Housing Nylon, UL94V-0

Contacts Terminations Brass, Nickel Plated 6.35mm x 0.8mm fast-on

Mfrs. List No: PX0590/63 = 151-745 PX0590/63/WH = 428-6005
PX0595/15/63 = 313-907 249542

	Order Code	Price Each			
		1+	50+	100+	250+
Flange fix - Black	151-745				
Flange fix - White	428-6005				
Snap-fit	313-907				

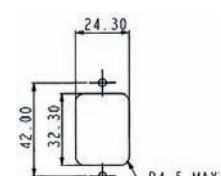
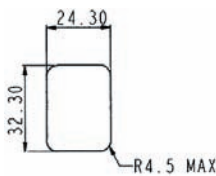
IEC Connectors - High Power

Mains Inlets

20A - High Power



- IEC320 C20 mains inlet
- Flange mount or snap in
- Snap in version suitable for 1.5mm panels
- **CSA and VDE** approvals
- **UL** Recognised



Current rating Europe, 16A @ 250V
Current rating North America 20A @ 250V
Terminations 6.3mm Tabs
Temperature Range -40°C to +70°C

Mouldings Approvals Nylon UL94V-0
UL, CSA, VDE.
Mating Connector PX0599
Insulation Boot 14064

248283

	Mfrs.		Price Each		
	List No.	Order Code	1+	25+	100+
Screw Mount	PX0596/63	428-6030			
Snap In	PX0598/15/63	428-6042			

Mains Connector

20A - High Power



- IEC320 C19 rewireable connector
- Wire Sizes (max) 3 x 2.5mm², 3 x 12AWG
- Overall cable diameter up to 12mm
- **CSA and VDE** approvals
- **UL** Recognised

Current rating Europe, 16A @ 250V
Current rating North America 20A @ 250V

Mouldings Approvals Nylon UL94V-0
UL, CSA, VDE. + IMQ Pending

Op Temp Range -40°C TO +70°C
UL, CSA, VDE. + IMQ Pending

Mating connector PX0596, PX0598
Accessories Retaining Kit KT0012

248293

	Mfrs.		Price Each		
	List No.	Order Code	1+	25+	100+
PX0599	999-7369				

20A Connector Accessories



- Insulation boot - protects rear of connector from accidental shock
- Retaining kit - prevents accidental removal

248302

	Mfrs.		Price Each		
	List No.	Order Code	1+	25+	100+
Insulation Boot	14064	428-6054			
Retaining Clip	KT0012	428-6066			

Power Entry Module

EC11 - 16A to 20A - High Current



- Appliance inlet with line switch, 2pole
- Fully wired
- Screw or snap-in mount
- 6.3 x 0.8mm tab terminals
- Complies with IEC/EN60950
- Approvals: **VDE UL CSA**

Panel cut out = 46.5 x 32.5mm
Screw mount fixing centre = 57mm

Specification

Rated Voltage
Rated Current

125 / 250V AC
16A @ 250VAC: VDE
20A @ 125/250 VAC: UL CSA
≥2.5kVDC between L-N
≥3 kVDC between L/N-PE

Withstand Voltage

Operating Temperature

Protection Level Front

Protection Class

Panel Thickness (max)

Housing Mat

-25°C to +70°C
IP40 to IEC60529
Class 1 to IEC 61140
8 mm (screw mount) 1.5mm (snap in)
UL94V-0Thermoplastic, Black

242518

Desc	Mfrs. List No.	Order Code	Price Each
Non Illuminated			1+
Snap In	EC11.0001.201	117-6806	
Illuminated			
Screw Mount	EC11.0021.001	117-6807	



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IEC Plug Filters

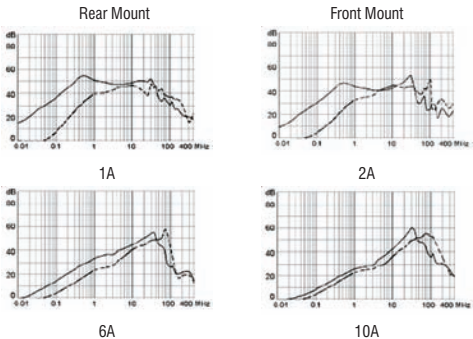
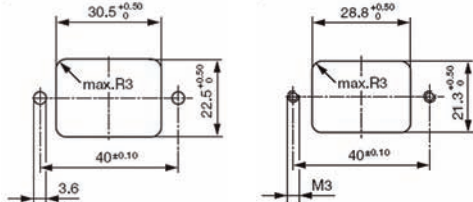


Power Entry Module with Line Filter

5120 Series - Standard Grade - Panel Mount



- Screw mounting, 2 x M3
- Protection Class 1, Pin Temp 70°C
- Quick connect terminals 6.3 x 0.8 mm
- Approvals: **VDE, CSA, ENEC and UL Recognised**



Leakage Current $\leq 373\mu\text{A}$ Housing material Thermoplastic
 Temperature range -25°C To $+85^\circ\text{C}$ Capacitance $C_x=100\text{nF}$, $C_y=2.2\text{nF}$
 Inductance 1A: 12.0mH, 2A: 4.8mH, 4A: 2.0mH, 6A: 0.8mH, 10A: 0.4mH, 15A: 0.1mH

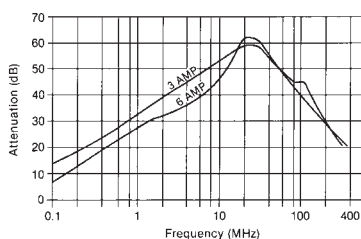
Mftrs.	Rating	Order Code	1+	10+	50+
5120.1000.0	1A	125-1694			

Mftrs.	Rating	Order Code	1+	10+	50+
5120.0000.0	1A	125-1702			
5120.0001.0	2A	125-1704			
5120.0004.0	6A	125-1707			
5120.0006.0	10A	125-1708			

Panel Mounting, Snap-In



L=55, H=23, W=36
 Panelcut out=29 x 21
 Depth behind panel=50
 Tabs=6.8 x 0.8
 Max. panel thickness=3.0

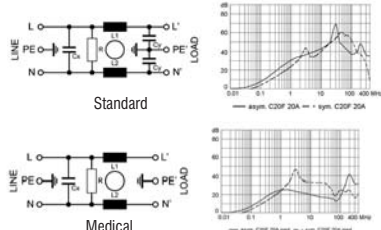


- General purpose snap-in IEC style filter
 - Approved to **VDE, SEV, SEMKO, CSA and UL Recognised.**
- Voltage rating 250Vac @ 0-400Hz Earth leakage current $\leq 190\mu\text{A}$
 Capacitance $1 \times 0.033\mu\text{F}$, (X) $+ 2 \times 2200\text{pF}$ Operating temperature range -25°C to $+85^\circ\text{C}$
 Inductance $2 \times 0.8\text{mH}$ (3A), $+ 1 \times 0.3\text{mH}$ (6A)

Rating	Order Code	1+	25+	100+	250+	500+
3A	112-5792					
6A	113-7742					

20A Filtered Equipment Plug

Standard or Medical Applications - High Current



- 20A mains filter - Class 1
- Screw and Snap-in mounting
- 6.3 x 0.8mm tabs

- Tested to EN133200. Suitable for equipment to EN 60950 / IEC950
- Approvals: **VDE UL CSA**

Rated Voltage 125/250VACV AC 2.7 kVDC between L/N-PE
 Rated Current 20A to UL/CSA Operating Temperature -25°C to $+85^\circ\text{C}$
 16A to VDE Protection Level Front IP40 to IEC60529
 Dissipation Current Standard: $\leq 0.5\text{mA}$ (250V/60Hz) Protection Class Class 1 to IEC 61140
 Medical: $\leq 5\mu\text{A}$ (250V/60Hz) Panel Thickness (max) 8 mm
 Withstand Voltage 1.7 kVDC between L-N Housing Mat UL94V-0Thermoplastic, Black

Capacitor	Mftrs. List No.	Order Code	Price Each
Screw-on			
Standard	Class X2	C20F.0001	120-6459
Medical	Class X2	C20F.0002	120-7679

Panel Mounting, Snap-In FN9222S Series



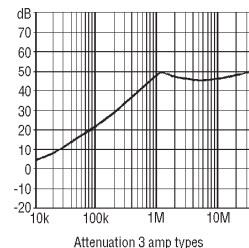
Panel cut out=30.8 x 20.8 Tabs 6.3 x 0.8
 Depth behind panel=37.7 + tabs up to 10A,
 46.5 + tabs up to 15A
 Max. panel thickness=2.0

- **VDE, SEV & SEMKO** approved up to 10A
- Lightweight construction

- Excellent performance to size ratio
- **IEC 950** Compliant
- **UL Recognised and CSA** approved

Voltage rating 250V @ 0-400Hz Max. leakage current/phase $373\mu\text{A}$
 Capacitance $C_x=100\text{nF}$ $C_y=2 \times 2.2\text{nF}$ Operating temperature range -25°C to $+85^\circ\text{C}$
 Inductance 6A-0.78mH, 15A-0.075mH

Mftrs.	Rating	List No.	Order Code	1+	5+	25+	50+	100+
	6A	FN9222S-6/06-15	119-0737					
	15A	FN9222S-15/06-15	119-0736					



Ultra Compact

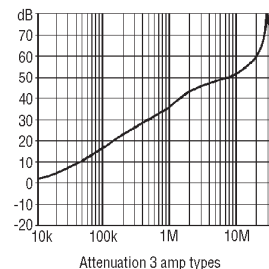


Panel cut out=34.4 x 22.6 FC=40
 Depth behind panel=34.7 Tabs 6.3 x 0.8

- Faston Output terminals
- Ultra compact housing
- Right angle terminations
- Good common mode and differential mode attenuation
- **IEC 950** Compliant
- **UL Recognised, VDE, CSA, SEMKO and SEV** approved

Voltage rating 250V @ 0-400Hz Max. leakage current/phase $190\mu\text{A}$
 Capacitance $C_x=47\text{nF}$ $C_y=2 \times 2.2\text{nF}$ Operating temperature range -25°C to $+85^\circ\text{C}$
 Inductance 1A-4.65mH, 3A-1.24mH, 6A-0.52mH 10A-0.27mH

Mftrs.	Rating	List No.	Order Code	1+	5+	25+	50+	100+
	1A	FN9226-1/06	110-4565					
	3A	FN9226-3/06	110-4566					
	6A	FN9226-6/06	110-4567					
	10A	FN9226-10/06	110-4568					

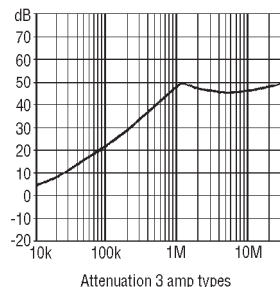


Panel Mounting, High Performance



Panel cut out=28.5 x 21.5 FC=40 Tabs 6.3 x 0.8
 Depth behind panel=37.7 + tabs up to 10A,
 46.5 + tabs up to 15A

- Excellent performance to size ratio
- **IEC 950** Compliant
- **UL Recognised and CSA** approved
- **VDE, SEV & SEMKO** approved up to 10A



Voltage rating 250V @ 0-400Hz
Capacitance Cx=100nF Cy=2 x 2.2nF
Inductance 12A-0.11mH, 12A-0.11mH,
Max. leakage current/phase Operating temperature range -25°C to +85°C

Rating	List No.	Order Code	1+	5+	25+	50+	100+	250+
1A	FN9222-1/06	117-2597						
3A	FN9222-3/06	117-2598						
6A	FN9222-6/06	117-2599						
10A	FN9222-10/06	117-2600						
15A	FN9222-15/06	117-2602						

High Performance IEC Inlet Filter

FN 9233 Series



- Excellent attenuation performance
- Rated current up to 15A
- Housing with wider mounting flanges
- Approvals: UL1283, CSA 22.2 No. 8 1986, IEC/EN 60939
- Flammability standard: UL94-V2

NEW

Operating voltage 250 VAC, 50/60 Hz
Operating frequency dc to 400 Hz
Protection IP40 according to IEC 60529
Temperature range -25°C to +85°C
Leakage Current 373 µA
Capacitance Cx 0.047 µF
Cy 3.3 nF

Rating (A)	Inductance (mH)	List No.	Order Code	1+	10+	25+	50+
1.2	22.5	FN9233UF2-1-06	187-7468				
3.5	4.6	FN9233UF2-3-06	187-7469				
7.2	1.6	FN9233UF2-6-06	187-7470				

FN 9244 Series



- Superior attenuation performance
- Rated current up to 15A
- Rear / front or snap-in mounting
- Standard or wide mounting flange
- Approvals: UL1283, CSA 22.2 No. 8 1986, IEC/EN 60939
- Flammability standard: UL94-V2

NEW

Operating voltage 250 VAC, 50/60 Hz
Operating frequency dc to 400 Hz
Protection IP40 according to IEC 60529
Temperature range -25°C to +85°C
Capacitance Cx 0.1 µF
Cy 2.2 nF

Rating (A)	Current (µA)	List No.	Order Code	1+	10+	25+	50+
1.2	373	FN9244B-1-06	187-7472				
3.5	373	FN9244B-3-06	187-7473				
7.2	0.35	FN9244B-6-06	187-7474				
11.6	373	FN9244B-10-06	187-7475				

Rating (A)	Current (µA)	List No.	Order Code	1+	10+	25+	50+
1.2	190	FN9244R-1-06	187-7480				
3.5	373	FN9244R-3-06	187-7481				
7.2	373	FN9244R-6-06	187-7482				
11.6	373	FN9244R-10-06	187-7484				

Rating (A)	Current (µA)	List No.	Order Code	1+	10+	25+	50+
1.2	373	FN9244S-1-06	187-7489				
3.5	350	FN9244S-3-06	187-7490				
7.2	373	FN9244S-6-06	187-7491				

IEC Inlet Filter With Earth Line Choke

FN 9244E Series



- Superior attenuation performance
- Rated current up to 15A
- Integrated earth line choke
- Standard housing with mounting flanges
- Approvals: UL1283, CSA 22.2 No. 8 1986, IEC/EN 60939
- Flammability standard: UL94-V2

NEW

Operating voltage 250 VAC, 50/60 Hz
Operating frequency dc to 400 Hz
Protection IP40 according to IEC 60529
Temperature range -25°C to +85°C
Capacitance Cx 0.1 µF
Cy 2.2 nF

Rating (A)	Current (µA)	List No.	Order Code	1+	10+	25+
1.2	190	FN9244E-1-06	187-7476			
3.5	373	FN9244E-3-06	187-7477			
7.2	190	FN9244E-6-06	187-7478			
11.6	190	FN9244E-10-06	187-7479			

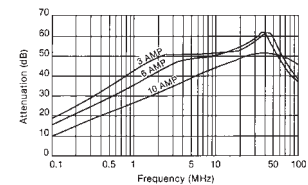
Current Leakage Inductance (mH) Mfrs.
Rating (A) Current L1 L2 List No. Order Code 1+ 10+ 25+
(µA)

Rating (A)	Current (µA)	L1	L2	List No.	Order Code	1+	10+	25+
1.2	2	59.53	0.335	FN9244EB-1-06	187-7485			
3.5	190	13.45	0.6	FN9244EB-3-06	187-7486			
7.2	373	4.1	0.9	FN9244EB-6-06	187-7487			
11.6	190	1.02	1	FN9244EB-10-06	187-7488			

Panel Mounting



Panel cut-out=28.5x21, Fixing centres=40
Depth behind panel: 3/6A=51, 10A=60.5



- Complies with IEC320, BS4491 and designed to protect sensitive electronic equipment against mains borne interference.

● Approved to VDE, SEMKO, CSA and UL Recognised.

Voltage rating 250V @ 50 to 400Hz
Earth leakage current ≤ @ A3
Capacitors 1 x 0.015µF (X)
Inductance 2 x 1.8mH (3A), 2 x mH (6A), 0.7 2 x 0.35mH (10A)
Operating temperature -40°C to +70°C

PS00/A0320/6300 = 999-7040
PS00/A0260/6300 = 999-6974
PS00/A1020/6300 = 999-6982

Rating	Order Code	1+	10+	25+	100+	250+
6.3 0.8mm Tabs						
3A	999-7040					
6A	999-6974					
10A	999-6982					

IEC Inlet Filters - RID and RIX Series



DELTRON Components

- All IEC Inlet filters meet Overvoltage Category II
- Good performance in both common mode and differential mode
- PCB Mounting Options
- Compact Design
- UL CSA and TUV recognition

Panel cut out Frame size 31.5mm X 22.5mm
24mm X 50mm
Height above Panel 6.4mm
Voltage rating 250V ac
Contact rating 1A/3A/ 6A/10A.
Panel cut out Frame size 31.5mm X 22.5mm
24mm X 50mm
Mounting Depth 35.9mm
Voltage rating 250V ac
Temp range -25°C To +85°C

Faston	Mfrs. List No.	Order Code	1+	10+	50+	100+
6A	RID0642H	142-8678				
10A	RID1042H	142-8679				

R/A Faston	Mfrs. List No.	Order Code	1+	10+	50+	100+
3A	RIX0342H	142-8681				
6A	RIX0642H	142-8682				

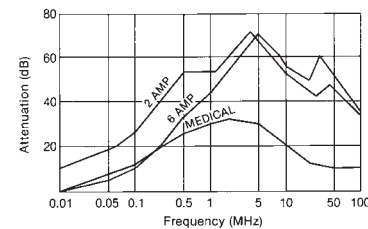
R/A PCB	Mfrs. List No.	Order Code	1+	10+	50+	100+
1A	RIX0142P	142-8683				
6A	RIX0642P	142-8685				

Panel Mounting



Panel cut-out=28.5 x 21
Fixing centres=40
Depth behind panel=54.5
Tabs=6.3 x 0.8

Dialight BLP



- Complies with IEC320 and designed to give protection against mains borne interference to BS613

● Approved to VDE, SEV, SEMKO*, CSA and UL Recognised

*Non medical versions only.

Voltage rating 250V @ 0 to 400Hz
Earth leakage current (IEC348) ≤ 5µA @ 250V 0Hz6AA6
Capacitors 1 x 0.015µF (X) + 2 x 4700pF (Y) 250VµA50.015µF between lines (X) 250V
Inductance 700µH (6A), 700µF (6A)-25°C70°C
Operating temperature -25°C to +70°CµF0.015pF4700
Medical Versions 250V @ 0 to 400Hz
<0.5mA @ 250V 0Hz6AA
2mH per line-25°C70°C
-25°C to +70°C0.015µF

Panel Mounting - continued

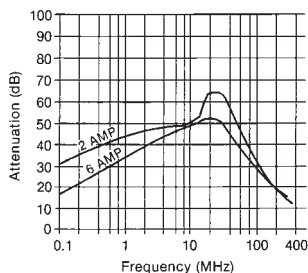
Mfrs. List No: L2133C/L = 942-7104
L2131C/L = 942-7112
L2135C/L = 942-7120

220467

Rating	Order Code	1+	25+	100+	500+	1K+
2A	942-7104					
6A	942-7112					
6A (Medical)	942-7120					

IEC Plug Filters with Fuse

Panel Mounting, Fused Snap-In



L=48.7, H=34, W=36
Panel cut-out=29 x 32
Depth behind panel=50
Tabs=6.8 x 0.8, Max. panel thickness=3.0

- IEC320 mains filter with integral 20x5mm fuseholder
- Approved to VDE, SEV, SEMKO, CSA and UL Recognised
- Excellent filter and stop band characteristics to protect against mains borne interference and transients.

Voltage Rating 250Vac@50/60 Hz400Hz Inductance 4mH2A or 2 x 0.7mH(6A)2 x 4mH (2A)

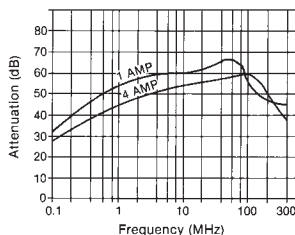
Earth Leakage Capacity 2.2nF2.2 + x 4mH2A
Capacitance 1 x 0.047µF (X) (Y)2.2nF Operating Temperature -25°C to +85°C

Mfrs. List Nos: 5200-0243-1 = 112-5793 5200-0643-1 = 112-5794

204006

Rating	Order Code	1+	25+	100+	250+
2A	112-5793				
6A	112-5794				

Panel Mounting, Fused with Voltage Selector



Panel cut-out=33 x 29, Fixing centres=36,
Depth behind panel=55, Tabs=6.3 x 0.8

- IEC320 mains filter with integral 20 x 5mm fuseholder and three way voltage selector
- Easy to operate selector is switchable between 110V, 220V and 240V, allowing the filter to be fitted into equipment sold throughout the world
- Efficient earthing and HF screening ensure high attenuation at high frequencies
- Approved to VDE, SEV, SEMKO, CSA and UL Recognised. Complies with IEC950 and EN133 200

Voltage Rating 250V @ 50/60Hz Earth Leakage Current <0.35mA
Capacitance 0.068µF (X) +2 x 2200pF (Y) Operating Temperature -25°C to +85°C
Inductance 2 x 10mH (1A), 2 x 1.5mH (4A) 1A4A

Mfrs. List No: FKV2-55-1/I = 113-0938
FKV2-55-4/I = 113-0939

204029

Rating	Order Code	1+	10+	25+	100+
1A	113-0938				
4A	113-0939				



TROUBLESHOOTING TIPS

Chat online to one of our technical engineers at farnell.com

Power Entry module with Line Filter

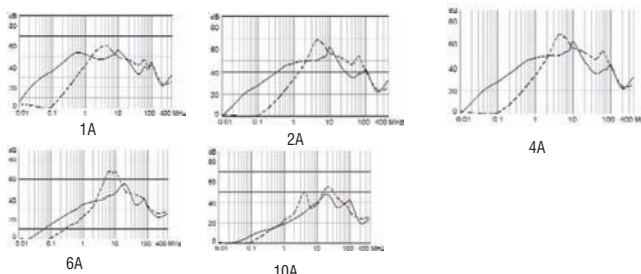
Type KFA - Double fused



- Equipment plug with mains filter and 2 pole Fuse holder
- All single elements wired
- Snap-in mounting
- 6.3 x 0.8mm tabs
- Complies to IEC60939 / EN 133 200. UL1283 / CSA C22.2 No.8
- Conforms to IEC/EN60950
- Approvals: UL CSA VDE
- Standard version

Note:

* Fuses and Fuse drawer sold separately



Rated Voltage 125/250 V AC Operating Temperature -25°C to + +85°C
Rated Current 1-10A @ 40°C ENEC (VDE) Protection Level Front IP40 to IEC60529
Rated Current 1-10A @ 40°C UL CSA Protection Class Class 1 to IEC 61140
Leakage current ≤0.5mA @ 250V/60Hz Panel Thickness (max) 0.8mm to 3mm
Test Voltage 1.7kVDC Between L-N Housing Material UL94V-0Thermoplastic, Black
2.7kVDC Between L/N-PE

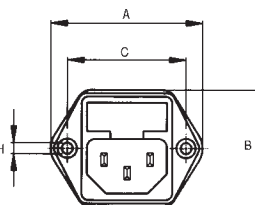
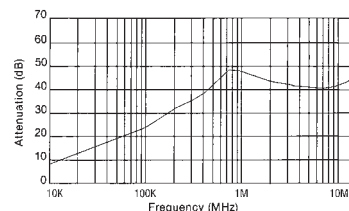
418281

Rated Current	Mfrs. List No.	Order Code	1+	10+	50+
1A	4301.6001	107-6985			
2A	4301.6002	107-6987			
6A	4301.6004	107-6989			
10A	4301.6005	107-6990			

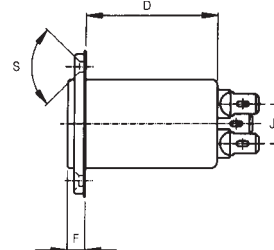
Fingergrip Fuse Drawer

2-pole 4301.1401 114-4906

Panel Mounting - Twin Fused



A=46, B=36, C=36, H=3.3



D=41, F=5.5, J=12.5, S=90°

- IEC320 mains filters with integral twin 5x20mm fuse holder
- Designed to comply with IEC950 approved to VDE, CSA and UL Recognised

Max. operating voltage 250V ac Inductance2 x 5.3mH - 1A
Max. leakage per phase191µA 2 x 2.7mH - 2A
Capacitance Cx 100nFnF2.2nF 2 x 1mH - 4A
Cy 2 x 2.2nF 2 x 0.3mH - 6A

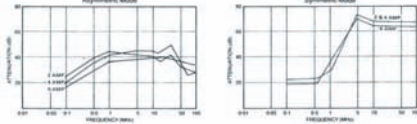
Faston terminals 6.35mm x 0.8mmCSA / UL / VDE

Mfrs. List No. FN9260-X/06, X=Rating in Amps

204063

Rating	Order Code	1+	25+	100+	250+	500+
1A	110-4560					
2A	110-4562					
4A	110-4563					
6A	110-4564					

Panel Mount Fuseholder (20 x 5mm)



H = 33, W = 44, D = 55mm
Cut out H = 29.15, W = 33.25mm

- IEC 320 input terminals
- 6.3 x 0.8 Faston output terminals
- Integral, front mounted 20 x 5mm fuseholder

- Space for spare fuselink
- Approved to VDE, UL and CSA

Temperature Range -25 to 85°C
Capacitors 0.015μF (Class X2), 2200pF (Class Y)
Operating Voltage 250V
Operating Frequency 0 to 400Hz

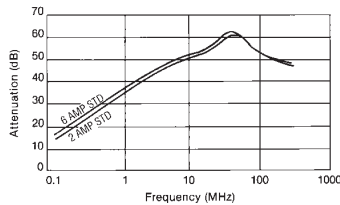
Rated current (A)	Leakage current (mA)	Inductance (per line) (mH)	Mfrs. List No.	Order Code
2	0.35	3	L2143/2/L	942-7171
6	190	1.3	L2143/6/L	942-7180

311402

Price Each

Order Code	1+	10+	50+
942-7171			
942-7180			

Panel Mounting, Fused



Panel cut-out=33 x 29, Fixing centres=36,
Depth behind panel=56, Tabs=6.3 x 0.8

- Mains filter with integral 20 x 5mm captive fuseholder
- Designed to comply with IEC320, approved to VDE

Voltage rating 250V @ 50-400Hz
Earth leakage Standard 373μA250V
current Medical μ Both @ 250V 50Hz
Operating temp. -25°C to +85°C
Capacitance 1 x 0.015μF (X) + 2 x 2200pF(Y)
No Y Capacitors
on Medical Filters

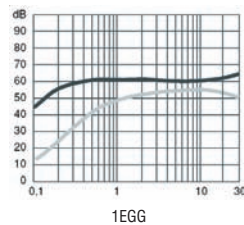
Mfrs. Dual List Nos: WF190 2/05 & SF2010-2/01 = 942-6990
WF190 6/05 & SF2010-6/01 = 942-7007
Mfrs. List Nos: SF2010M-2/01 = 942-7139
SF2010M-6/01 = 942-7147

204018

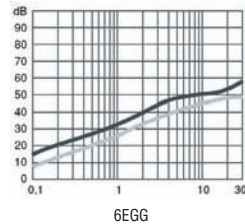
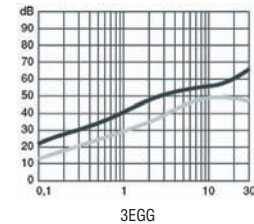
Price Each

Rating	Order Code	1+	25+	100+	250+	500+
Standard						
2A	942-6990					
6A	942-7007					
Medical Versions						
2A	942-7139					
6A	942-7147					

Power Entry Module EGG Series: Fused



H = 32.8, W = 44.7, D = 42.20mm
Panel cut out: 29 x 33, FC = 36.00mm



- Horizontal mount
- Filtering for General purpose applications
- IEC Power cord connector
- Dual metric fusing, two 5 x 20mm (fuses not included)
- UL Recognised, VDE Approved and CSA Certified

Temperature Range -10 to 40°C
Operating Voltage 250V
Operating Frequency 50/60 Hz
Test voltage (1 minute) Line -to-ground 1550 VAC
Test voltage (1 minute) Line -to-Line 1450 VDC
Leakage current Line -to-ground 373μA

411339

Mfrs. List No.	Rating	Order Code	1+	10+	25+	50+
1EGG1-2	1A	958-6121				
3EGG1-2	3A	958-6130				
6EGG1-2	6A	958-6148				

IEC Plug Filters with Switch

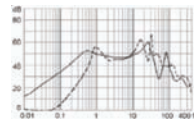
Panel Mount, Switched, 2-Pole



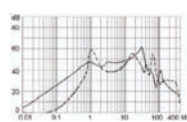
DC12 Series



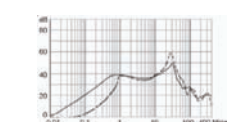
- Compact design
- IEC connector module, 10A line switch, 2 pole
- Snap-in and screw-on mountings
- 6.3 x 0.8mm tabs
- Suitable for high inrush currents
- Approvals: ENEC UL CSA



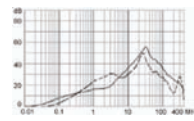
1A



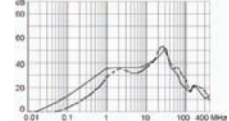
2A



4A



6A



10A

Rated Voltage 250V, 60Hz
Rated Current 1-10A @ Ta 40°C
Leakage current ≤0.5mA @ 250V/60Hz
Test Voltage 1.7kVDC Between L-N
2.7kVDC Between L/N-PE

Operating Temperature -25°C to +85°C
Protection Class Class 1
Panel Thickness (max), Snap mounting 0.8mm to 3mm
Panel Thickness (max), Screw mounting 8mm
Housing Material UL94V-0Thermoplastic, Black

418335

Rated Current	Mfrs. List No.	Order Code	1+	10+	50+
Snap-In					
2A	DC12.2102.101	107-6993			
4A	DC12.3102.101	107-6994			
6A	DC12.4102.101	107-6995			
10A	DC12.5102.101	107-6996			
Screw-On					
1A	DC12.1102.001	107-6997			
2A	DC12.2102.001	107-6998			
4A	DC12.3102.001	107-6999			
6A	DC12.4102.001	107-7000			
10A	DC12.5102.001	107-7001			

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IEC Plug Filters with Switch - continued

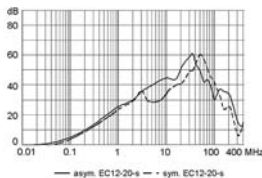
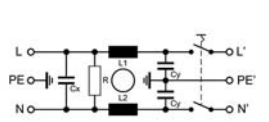
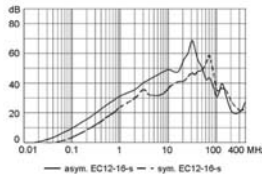
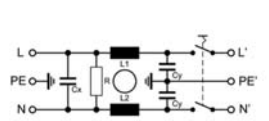
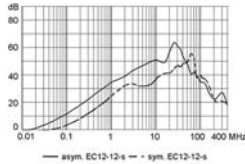
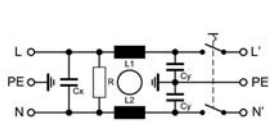


Power Entry module - High Current

EC12 - 16A to 20A - Line Filter



- Equipment plug with mains filter and 2 pole switch
- All single elements wired
- EMC shielded
- Screw mounting
- 6.3 x 0.8mm tabs
- Complies to IEC60939 / EN 133 200. UL1283 / CSA C22.2 No.8
- Conforms to IEC/EN60950
- Approvals: **UL CSA VDE**



Rated Voltage	125/250 V AC	Operating Temperature	-25°C to +85°C
Rated Current	12/16A @ 40°C ENEC (VDE)	Protection Level Front	IP40 to IEC60529
Rated Current	12/16/20A @ 40°C UL CSA	Protection Class	Class 1 to IEC 61140
Leakage current	≤0.5mA @ 250V/60Hz	Panel Thickness (max)	8 mm
Test Voltage	1.7KVDC Between L-N 2.7KVDC Between L/N-PE	Housing Mat	UL94V-0Thermoplastic, Black

242519

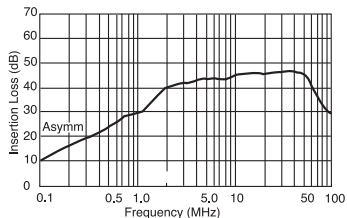
Rated Current	Inductances L1 L2	Mfrs. List No.	Order Code	Price Each
16A	2 X 0.6 mH	EC12.2101.001	120-4856	
20A	2 X 0.3 mH	EC12.1101.001	120-4855	

Panel Mounting, Switched, Snap-In Mini Bezel



Panel thickness=1.5
Depth behind panel=63.5
Tabs=4.8 x 0.8 (switch),
6.3 x 0.8 (filter).
Panel cut-out=45.9 x 21.3
(S.P. switch)
54.9 x 21.3 (D.P Switch)

- Filtered version of Mini Bezel switched mains inlets
- Each item individually terminated for interconnection flexibility
- Approved to **VDE, CSA** and **UL** Recognised
- Green illuminated versions feature medical filters without fitted Y capacitors.



Voltage Rating	250V @ 50 - 400Hz	Capacitance	0 - 0.015µF (X) + 2 x 2200pF (Y)
Current Rating	6A	Inductance	2 x 0.7mH
Earth Leakage Current	<0.5mA @ 250V, 50Hz -25°C to 85°C	Operating Temperature	-25°C to + 85°C

203999

		Price Each				
SPST Switch	Mfrs. List No.	Order Code	1+	10+	50+	100+
Non-Illuminated	BZM27/A0620/53B	999-7075				
Red-Illuminated	BZM27/A0620/55B	999-7083				
		Price Each				
DPST Switch	Mfrs. List No.	Order Code	1+	10+	50+	100+
Non-Illuminated	BZM27/A0620/57B	999-7105				
Red-Illuminated	BZM27/A0620/59B	999-7113				

IEC Plug Filters with Switch / Fuse



Power Entry Modules

KM Series - Ultra Compact



- Ultra compact connector module
- Protection Class 1, 70°C
- Snap In - Front Mount
- IEC Inlet, fuseholder, switch.
- With or without EMC shield
- Quick connect terminals. 4.8 x 0.8
- Fusedrawer must be ordered separately
- **VDE, CSA** Approved and **UL** Recognised

Voltage rating	250V ac @ 50/60 Hz
Contact rating	10A
IP rating	IP40
Housing	Thermoplastic UL94V-0
Temperature range	-25°C To 70°C
Test voltage	2.5 KV Between L+N ≥

Voltage rating	250V ac @ 50/60 Hz
Housing	Thermoplastic UL94V-0
Panel Thickness	1.0 - 2.5mm
Panel Cut Out	With EMC 28.8 x 47.8mm W/O EMC 28.0 x 47.0mm

Module	Switch	Fuseholder	EMC Shielding	Order code
KM00.1205.11	2- Pole	1-Pole	Without	965-7037
KM01.1205.11	2- Pole	1-Pole	With	1162778
KM00.1105.11	2- Pole	2-Pole	Without	1162776
KM01.1105.11	2-Pole	2-Pole	With	1162777
Fuseholders				
1Pole				
4301.1405	Standard			1162738
4301.1407	Extra safe - Medical Grade			1162739
2 Pole				
4301.1403	Extra safe - Medical Grade			1162737

236888

Price Each

Mfrs. List No.	Order Code	1+	10+	50+	100+
KM00.1205.11	965-7037				
KM01.1205.11	116-2778				
KM00.1105.11	116-2776				
KM01.1105.11	116-2777				

1 Pole Fuseholders

4301.1405	116-2738				
4301.1407	116-2739				

2 Pole fuse holders

4301.1403	116-2737				
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IEC Inlet Filter

DD12 Series



- Ultra compact design, ideal for low profile designs
- Aluminium case provides good shielding
- All single elements are all ready wired
- Ideal for application with transient loads
- Designed for standard and medical applications
- Fuse drawer must be ordered separately

Panel cut out	49.3mm X 29.8mm
Depth behind panel	55mm

Voltage rating	250V ac
Contact rating	A1/2A /4A/ 6A/10A.
Temp range	-25 To 85°C

Voltage rating	250V ac
IP Rating	IP 40
Housing	Thermoplastic

485419

		Price Each			
Current Rating	Mfrs. List No.	Order Code	1+	10+	50+
1A	DD12.1121.111	143-0796			
2A	DD12.2121.111	143-0797			
4A	DD12.4121.111	143-0799			
6A	DD12.6121.111.	143-0800			
10A	DD12.9121.111	143-0802			
Fuse Drawer	4301.1401	114-4906			

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Inlet for front or rear side mounting



DD11 Series



- Ultra compact design, ideal for low profile designs
- Fuse drawer must be ordered separately
- Ideal for application with transient loads
- All single elements are already wired

Panel cut out 47.1mm X 28.1mm
Mounting Depth 33.1mm

Voltage rating 250V ac
Contact rating 10A
Temp range -25 To 85°C
Housing Thermoplastic

Fuseholder	Line Switch	Illumination	Colour	Mnftrs Part No.
1 Pole	2-pole	Non-Illuminated	-	DD11.0111.1111
1 Pole	2-pole	Illuminated	Red	DD11.0113.1111
1 Pole	2-pole	Illuminated	Green	DD11.0114.1111
2 Pole	2-pole	Non-Illuminated	-	DD11.0121.1111
2 Pole	2-pole	Illuminated	Red	DD11.0123.1111
2 Pole	2-pole	Illuminated	Green	DD11.0124.1111

485434

Price Each

Current Rating	Mftrs. List No.	Order Code	1+	10+	50+
10A	DD11.0111.1111	143-0803			
10A	DD11.0113.1111	143-0805			
10A	DD11.0114.1111	143-0806			
10A	DD11.0121.1111	143-0807			
10A	DD11.0123.1111	143-0808			
10A	DD11.0124.1111	143-0809			

Panel Mounting, Switched and Fused

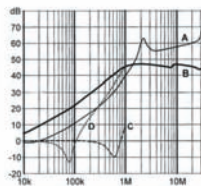


FN28... Series



Vertical Mount Version Horizontal Mount Version Snap-In Mount Version

2 amp types



FN281 & FN282 - Vertical mounting screw version
FN283 & FN284 - Horizontal mounting screw version
FN285 & FN286 - Snap-in version

- IEC950 mains filter which is both switched and fused
- Easy access fuse drawer for one or two fuses (5x20mm)

- Suitable for large range of industrial and laboratory applications
- Approved to VDE, SEV and SEMKO
- UL and CSA recognised

Voltage rating 250V @ 50/60Hz
Capacitance X=220nF, Y=2.2nF

Leakage current 373µA

Dimensions include mounting holes

Current Rating (A)	Dimensions			Panel Cut-Out	Fuses	Mftrs. List No.	Order Code
	H	W	D				
1	82	32	43.1	60.829.3	1	FN281-1/06	110-4572
2	82	32	43.1	60.829.3	1	FN281-2/06	110-4574
4	82	32	43.1	60.829.3	1	FN281-4/06	110-4575
6	82	32	43.1	60.829.3	1	FN281-6/06	110-4576
1	82	32	43.1	60.829.3	2	FN282-1/06	110-4577
2	43.1	35	82	60.829.3	2	FN282-2/06	110-4578
4	82	32	43.1	60.829.3	2	FN282-4/06	110-4579
6	82	32	43.1	60.829.3	2	FN282-6/06	110-4580
2	65	50	43.1	60.829.3	1	FN283-2/06	110-4582
4	65	50	43.1	60.829.3	1	FN283-4/06	110-4583
6	65	50	43.1	60.829.3	1	FN283-6/06	110-4584
1	65	50	43.1	29.329.3	2	FN284-1/06	110-4586
2	65	50	43.1	6029	2	FN284-2/06	110-4587
4	65	50	43.1	60.829.3	2	FN284-4/06	110-4588
6	65	50	43.1	6029	2	FN284-6/06	110-4589
2	65	32	43.6	61.629.3	1	FN285-2/06	110-4591
4	65	32	43.6	61.629.3	1	FN285-4/06	110-4592
6	65	32	43.6	61.629.3	1	FN285-6/06	110-4593
2	65	32	43.6	61.629.3	2	FN286-2/06	110-4594
4	65	32	43.6	6129	2	FN286-4/06	110-4595
6	65	32	43.6	61.629.3	2	FN286-6/06	110-4596

209303

Current Rating (A)	Order Code	Price Each		
		1+	5+	50+

FN281 Series. Vertical Mounting. Single Fuse.

1	110-4572			
2	110-4574			
4	110-4575			
6	110-4576			

FN282 Series. Vertical Mounting. Double Fuse

1	110-4577			
2	110-4578			
4	110-4579			
6	110-4580			

Current Rating (A)	Order Code	1+	5+	50+	100+
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FN283 Series. Horizontal Mounting. Single Fuse

2	110-4582				
4	110-4583				
6	110-4584				

FN284 Series. Horizontal Mount. Double Fuse

1	110-4586				
2	110-4587				
4	110-4588				
6	110-4589				

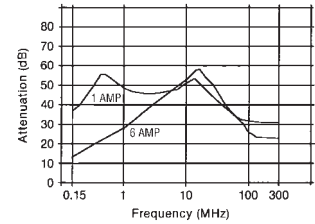
FN285 Series. Snap-In. Single Fuse

2	110-4591				
4	110-4592				
6	110-4593				

FN286 Series. Snap-In. Double Fuse

2	110-4594				
4	110-4595				
6	110-4596				

Panel Mounting, Switched and Fused with Voltage Selector.



Panel cut-out=60 x 29, Depth behind panel=90
Fixing centres=40, Tabs=6.3 x 0.8

- IEC plug filter conforming to IEC320 with integral voltage selector
- Single fuse and double pole on/off switch
- Approved to VDE, SEV, SEMKO, CSA and UL Recognised
- Designed to meet IEC950.

Voltage Rating 250V @ 0-400Hz max. Inductance 7.5mH1A0.45mH6AStandard:
Voltage Selector 120/110-/220-240V 7.5mH (1A), 0.45mH (6A)
Fuse Holder 20mm x 5mm or 1 1/4" 1/4" With Earth-Line Choke:
Earth leakage current 2 x 0.5mA 7.5mH (1A), 0.45mH (6A)
Capacitance 1 x 0.22µF(X) + Inductance to Earth: 0.4mH
2 x 3300pF(Y) Operating Temp. -25°C to +85°C

204009

Mftrs. List No.	Rating	Order Code	1+	10+	50+	100+	250+
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Standard

FN393-1-05-11	1A	110-4558					
FN393-2.5-05-11	2.5A	110-4552					
FN393-6-05-11	6A	110-4559					

With Earth-Line Choke

FN393E-6-05-11	6A	110-4571					
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Power Entry Module



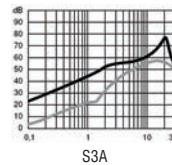
P Series: Switched and Fused with Voltage Selector



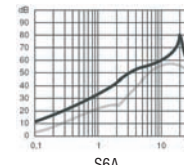
- Snap-in and horizontal mount
- Filtering for General purpose and Medical applications
- IEC Power line connector
- Both North American and European fusing capabilities
- DPST on/off switch
- Dual voltage (115/230 VAC)
- An RF Shield covers the filter portion of the module for increased performance
- UL Recognised, VDE Approved and CSA Certified

Snap-in: H = 58.67, W = 31.49, D = 54.1mm, Panel cutout = 26.93 x 55.91mm

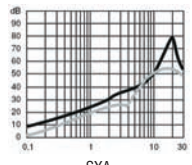
Horizontal mount: H = 58.67, W = 50.29, D = 54.1mm, Panel cutout, = 28.5 x 55.91, FC = 40mm



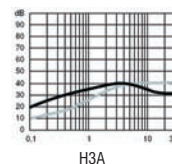
S3A



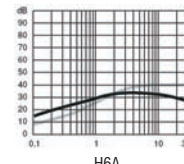
S6A



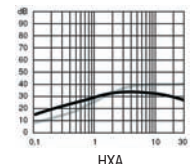
SXA



H3A



H6A



HXA

IEC Plug Filters with Switch / Fuse - continued

Power Entry Module - continued

P Series: Switched and Fused with Voltage Selector - continued

Temperature Range	-10 to 40°C	Operating Voltage	120V / 250V
Test voltage (1 minute)	Line -to-ground	Operating Frequency	50/60 Hz
Test voltage (1 minute)	Line -to-Line	1500 VAC	
		1450 VAC	
Models	Leakage current	Models	Leakage current
General purpose @ 250 VAC 50Hz	0.75mA	General purpose @ 120 VAC 50Hz	0.25mA
Medical @ 250 VAC 50Hz	5µA	Medical @ 120 VAC 50Hz	2µA

Mfrs. List No.	Rating	Order Code	1+	5+	50+	100+
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General purpose for jumper type applications

Snap-in						
PS0SSDS3A	3A	958-5850				
PS0SSDS6A	6A	958-5869				
PS0SSDSXA	10A	958-5877				

Horizontal mount

PE0SSDS3A	3A	958-5915				
PE0SSDSXA	10A	958-5931				

General purpose for dual primary transformer applications

Snap-in						
PS0SXDS3A	3A	958-5826				
PS0SXDS6A	6A	958-5834				
PS0SXDSXA	10A	958-5842				

Horizontal mount

PE0SXDS3A	3A	958-5885				
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Snap-in

PS0SSDH6A	6A	958-5958				
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Medical for dual primary transformer applications

Horizontal mount						
PE0SXDHXA	10A	958-5990				

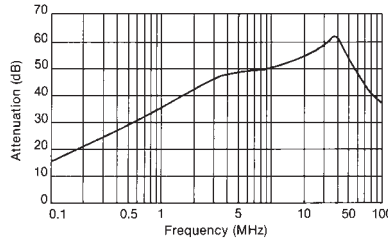
Temperature Range	-25 to 85°C	Operating Voltage	250V
Test Voltage (L+N to ground)	2700V dc 2 sec.	Operating Frequency	0 to 400Hz
Bleed Resistor	1Mohm	Panel Thickness	3.2mm
Rated current (A)	Leakage current (mA)	Inductance (mH)	Mfrs. List No.
2	0.32mA	2.0	SF2032-2/01
6	0.2mA	0.5	SF2032-6/01
6	0.5mA	0.5	SF2032M-6/01

Current (A)	Order Code	1+	10+	50+
Standard Version				
2	942-7210			
6	942-7228			
Medical Version				
6	942-7236			

Panel Mounting, Switched and Fused

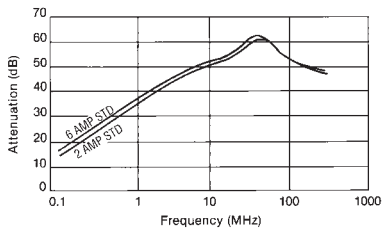


Style A Panel cut-out=56.6 x 34.4 Depth behind panel=58 Panel thickness=1.5 to 3 Tabs=6.3 x 0.8	Style B Panel cut-out=70.1 x 34.4 Depth behind panel=58 Panel thickness=1.5 to 3 Tabs=6.3 x 0.8	Style C Panel cut-out=76.5 x 34.4 Depth behind panel=60 Panel thickness=1.5 to 3 Tabs=6.3 x 0.8 (2.8 x 0.5 on fuseholder)
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- Each item is individually terminated giving flexibility of interconnection.
- Filtered version of the popular switched and fused IEC320 inlets.
- Approved to VDE, SEMKO, CSA and UL Recognised

Panel Mounting, Switched and Fused, Snap-In



Panel cut-outs for different panel thicknesses
 Panel Thickness 1.2 to 1.5mm Panel Cut-out H=61, W=29
 Panel Thickness 2.0 to 2.5mm Panel Cut-out H=61.5, W=29

H=65.5, W=30, D=67, Depth behind panel incl. tabs=64. Tabs=6.3 x 0.8

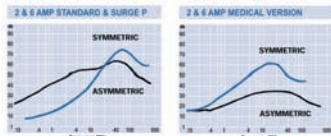
- IEC320 style filter conforming to BS613, with an integral 20 x 5mm fuse holder and double pole mains on/off switch.

Voltage Rating	250V @ 0 to 400Hz	Inductance	2mH (2A), 2mH (2A) mH2A2
Earth Leakage Current	Standard 0.2mA2A2 Medical 0.2mA250V	Switch Operations	50,000
Capacitance	1 x 0.015µF(X) + 2 x 2200pF (Y) No Y Capacitors fitted to medical filters	Operating Temperature	-40°C to +85°C
Mfrs. Dual List Nos:	WF290 2/05 & SF2030-2/01 = 942-7015	WF290 6/05 & SF2030-6/01 = 942-7023	
Mfrs. List Nos:	SF2030M-2/01 = 942-7155	SF2030M-6/01 = 942-7163	

Rating	Order Code	1+	25+	100+	250+	500+
2A	942-7015					
6A	942-7023					
2A	942-7155					
6A	942-7163					

Panel Mount

Double Pole Switch and Double Fuseholder



H = 65.5, W = 50, D = 40mm
 Cut out (front mounting) H = 61, W = 29mm

- IEC 950 (EN 60950 Applications)
- IEC 320 input terminals
- 6.3 x 0.8 Faston output terminals
- Approved to UL, VDE and CSA

Voltage Rating	250V @ 50-400Hz	Capacitance	0.015µF (X) + 2 x 2200pF (Y)
Current Rating	6A	Inductance	2 x 0.7mH
Earth Leakage Current	<500µA @ 250V, 50Hz	Operating Temperature	-25°C to +85°C
Fuseholder	20mm x 5mm		
Mfrs. List Nos:	BZV01/A0620/01 = 999-7008 BZV01/A0620/02 = 999-7156 BZV01/A0620/11 = 999-7164	BZV03/A0620/06 = 999-7016 BZV03/A0620/09 = 999-7172	

Price Each						
Style	Order Code	1+	50+	100+	250+	500+
SPST, switch/single fuse	A 999-7008					
SPST, Red Illuminated						
switch/single fuse	A 999-7156					
DPST Red Illuminated						
switch/single fuse	B 999-7164					
DPST Red Illuminated						
switch/twin fuse	C 999-7016					
DPST green illuminated						
switch/twin fuse	C 999-7172					

Flange, Snap-in, Chassis, Mounting Standard, Fused, Switched and Fused



Voltage rating	250Vac, 50/60Hz
Operating Temperature	-25°C to +85°C

- All IEC inlets meet Overvoltage Category II or IEC 664 and comply with IEC950
- Good performance in both common mode and differential mode
- Metal case to give a good shielding effect
- Typical applications include vending and game machines, printers, copiers, monitors, test equipment, etc.
- Easy connection on all models via fast-on tags
- Fused units provide space for a spare fuse (fused on line only)
- Approvals: TUV, CSA and UL Recognised

204173

Mfrs. List No.	Rating	Order Code	1+	10+	50+	100+
Standard IEC Inlet						
RID-0342-H	3A	110-1081				
Fused IEC Inlet						
RIR-0222-H	2A	110-1082				
RIR-0422-H	4A	110-1083				
RIR-0622-H	6A	110-1084				
Switched and Fused IEC Inlet, Snap-in						
RIQ-0242-H2	2A	110-1086				
RIQ-0442-H2	4A	110-1087				
RIQ-0642-H2	6A	110-1088				
Chassis Filter						
RESS-F08	8A	110-1089				
RESS-F10	10A	110-1090				
RESS-F15	15A	110-1091				

EMI/EMC Filter

RIS Series



- A fuse holder and a double pole power On/Off switch
- Suitable for the product that must conform to FCC, FTZ
- Meets over voltage category of IEC 664 and comply with IEC 950
- Uses IEC connector that meets the safety standards of virtually all certifying organisations
- Good shield effects by using a metal case

Panel cut out	29 X 41mm	Panel cut out	29 X 41mm	Panel cut out	29 X 41mm
Frame size	30.5 x 50mm	Frame size	30.5 x 50mm	Frame size	30.5 x 50mm
Height above Panel	2.5mm	Mounting Depth	40.35		
Voltage rating	250V AC	Voltage rating	250V AC		
Contact rating	2A, 4A, 6A	Withstand Voltage	1500V AC		
Temp range	-25 To +85°C	Insulation Resistance	300 MΩ		

488403

Current Rating	Mfrs. List No.	Order Code	1+	10+	25+
2A	RIS0222H2	142-8691			
4A	RIS0422H2	142-8692			
6A	RIS0622H2	142-8693			

IEC Outlet Filters

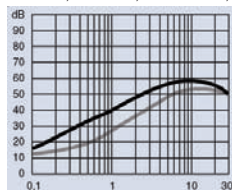
Accessory Outlet Filter

EBF Series: Outlet Filters

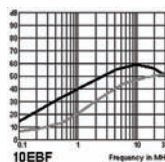


- Horizontal mount
- Filters noise between system and the accessories
- Enhanced performance utilizing common mode inductance
- Differential mode capacitance
- Grounded connection
- Low leakage current required for international usage
- **UL Recognised, VDE Approved and CSA Certified**

H = 25.4, W = 50.5, D = 65.3mm, FC = 40mm



6EBF



10EBF

Temperature Range	-10 to 40°C	Operating Voltage	250V
Test voltage (1 minute)	Line -to-ground	Operating Frequency	50/60 Hz
Test voltage (1 minute)	Line -to-Line		
Leakage current	Line -to-ground		

411344

Mfrs. List No.	Rating	Order Code	1+	5+	20+	50+
6EBF1	6A	958-6199				
10EBF1	10A	958-6202				

IEC Filtered Distribution Boards

5 Way In-Line Stripbloc



- Five way filtered distribution board for IEC320/CEE22 European mains plugs
- Manufactured from rugged black ABS
- Fitted with mains red neon indicator and 6.3A 20 x 5mm fuse.

Rating
Attenuation
Operating Temperature

6A @ 250V ac
70dB max.
-5°C to +60°C

Mfrs. List No. R47403100

H=40, W=226, D=59,
Fixing centres for base: 200 x 44mm, 3.2mm dia

204199

Order Code	1+	5+	10+	25+
Stripbloc	112-5797			

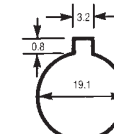
Circular Mains

3 Pole Miniature Outlet 3A



313-944
L=72, Dia=24.1

313-956
L=30, Dia=24



Panel cut-out

Miniature mains connectors for power take-off applications. A rear insulation boot is available for improved safety, Order Code 151-744.

Contact Rating 3A @ 250V ac
Housing Black, phenolic resin
Contacts Brass, Tin Plated
Sockets Brass, Silver Plated

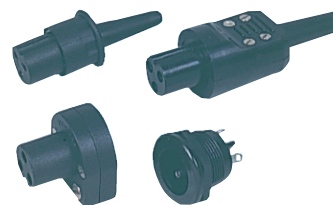
313-944 Solder terminations cord grip and strain relief.

313-956 Solder terminations.

219759

Order Code	1+	50+	100+	250+	500+	1K+
Free Plug	313-944					
Panel Socket	313-956					

3 Pole Miniature Inlet 3A



313-968 *(50V)
L=55, Dia=20.5

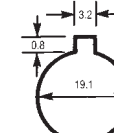
313-970
L=72.9, Dia=24.2

313-981

313-993

H=27.1, W=25.4, D=25

L=22.2, Dia=23.8



Panel cut-out

All the connectors feature keyway polarisation and solder terminations. A rear insulation boot is available for improved safety. Order Code 151-744.

Contact Rating 3A @ 50V ac
Temperature Range -20°C to +60°C
Housing Black Phenolic Resin
Contacts Brass, Silver Plated
Sockets Brass, Tin Plated

***Warning:** 313-968 (50V rated) may be used for 250V ac operation but only in totally enclosed applications.

219760

Order Code	1+	100+	250+	500+	1K+	2K+
Free Socket	313-968					
grip strain relief	313-970					
Free Socket 90°	313-981					
Panel Plug	313-993					

FREE GLOBAL LEGISLATION SUPPORT

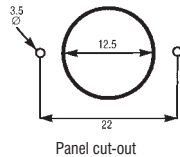


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Circular Mains - continued

3 Pole Sub-Miniature Inlet 5A



147-074 L=35, Dia=15.0
147-077 H=19, W=29, D=22.5

The fully shrouded female free socket has cable strain relief, cord clamp and solder terminations. The chassis plug has shrouded pins to prevent accidental damage and solder bucket termination.

Contact Rating	5A @ 250V ac	Contacts	Pin Socket	Phosphor Bronze, Silver Plated	Phosphor Bronze, Silver Plated
Cable Dia.	4mm max.				
Housing	Blue polyamide				
Mfrs. List Nos:	RPC2-12P-3S(73)	= 107-7723	RPC2-12RB-3P(71)	= 107-7726	219761

Order Code	Price Each			
	1+	50+	150+	250+
Free Socket	107-7723			
Chassis Plug	107-7726			

Insulation Boot



A black PVC rear insulation boot designed to provide improved safety from the electrical connections on the following connectors: **313-993, 314-432, 313-956, 314-055 and 314-031.**

Temperature range -20°C to +60°C
Mfrs. List No. 9455

Length=30, Cable dia=5.5



209337

Order Code	Price Each				
	1+	100+	250+	500+	1K+
151-744					

Power-Con Locking 3 Pole



892-373



- Fast and easy locking system
- Pre-mating contact for protective earth
- High current Capacity
- Cable connector has screw type terminals
- Contact design prevents arcing, when disconnected under load

- Mating connectors identified by mechanical keyway and colour
- Power inlet coded 'A' type, outlet coded 'B' type
- Coupler enables in line connection of two plugs for cable extension
- 1.5m cable with FCA plug to bare ends

Attention: The powerCON is a connector without breaking capacity, i.e. the powerCON should not be connected or disconnected under load or live!

Current Rating	20Arms @ wire size 2.5mm ²	Temp. range	-30°C to +80°C
Current Rating	388-6232 15A	Housing	PA 6.6
Voltage Rating	250Vac	Insert	PBT (Polybutylene terephthalate)
Dielectric Strength	4240Vp.p	Contacts	Copper Zinc Alloy, with Gold over Tin Plating
Contact Resistance	≤mΩ after 5000 mating cycles		

209198

Mfrs. List No.	Order Code	Price Each			
		1+	25+	50+	100+
A' Type	NAC3FCA	892-350			
B' Type	NAC3FCB	892-361			

Chassis Connector

A' Type	NAC3MPA-1	892-373			
B' Type	NAC3MPB-1	892-385			

Accessories

Coupler	NAC3MM	388-6220			
Powercon Lead	NKFA-15-0	388-6232			

powerCON TRUE1



16A Lockable Single Phase Connector



These circular connector's is a range of metal, multi pole connectors specifically designed for industrial applications.

NEW

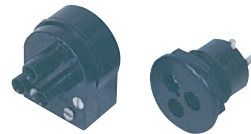
- True mains connector with breaking capacity (CBC)
- Lockable 16/20 A single phase connector
- Complete system with inlet and outlet connectors
- Unique duplex chassis connector - combines inlet and outlet coupler
- Easy and reliable locking system
- Water resistant to IP65
- VDE Certified

646002

Description	Mfrs. List No.	Order Code	Price Each			
			1+	10+	25+	50+
Socket	NAC3FX	196-1424				
Plug	NAC3MX	196-1425				
Double Chassis Connector	NAC3PX	196-1426				
Dust Cover	SCNAC-PX	196-1427				
Chassis Plug	NAC3MPX	196-1428				

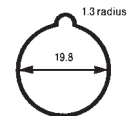
Shrouded Contact Mains

3 and 4 Pole Miniature 3A



314-020
H=30.5, W=25.5,
D=26.1

314-031
L=28.4, Dia=25.4



Panel cut-out

Three and four pole fully shrouded mains connector pairs. The plug has screw terminations, right angle cable entry, cord grip and touch proof pins. The socket has tag terminations. A rear insulation boot is available for improved safety, Order Code 151-744, see above.

Contact Rating	3A @ 250V ac	Temp. range	-20°C to +70°C
Contact Resistance	mΩ	Housing	Glass Filled Nylon
Insulation Resistance	mΩ	Contacts	Pin Brass, Nickel Plated
Breakdown Voltage	4.2kV	Sockets	Brass, Tin Plated

Mfrs. List Nos: SA2403 = 314-020 SA2404 = 314-031 SA2367 = 314-043 SA2368 = 314-055
209338

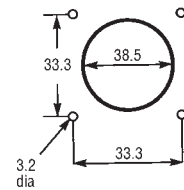
3 Pole	Order Code	Price Each					
		1+	100+	250+	500+	1K+	2K+
Free 90° plug	SA2403 314-020						
Panel Socket	SA2404 314-031						
4 Pole	Order Code	Price Each					
		1+	100+	250+	500+	1K+	2K+
Free 90° plug	SA2367 314-043						
Panel Socket	SA2368 314-055						

8 Pole 6A



Free plug
H=46.8, W=40.1,
D=19.8 (mated),
Cable entry=10.1 dia

Panel socket
H=41.7, W=41.7,
Flange=3.2 thick



Panel cut-out

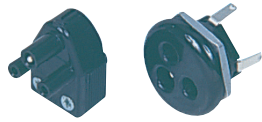
Non-reversible 8-pole mains plug and sockets featuring leading centre pin earth contact. Suitable for lighting, heating or any application requiring up to eight contacts rated at mains voltage.

Contact Rating (per pin)	6A @ 250Vac	Housing	Black, glass filled nylon
Temperature Range	-20°C to +70°C	Contacts	Pin Brass, Nickel Plated
Terminal type:	Plug Screw	Socket	Brass, Silver Plated
	Panel Socket Solder		

209341

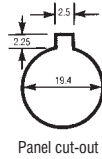
Order Code	Price Each					
	1+	50+	100+	250+	500+	1K+
Free Plug	151-740					
Panel Socket	151-741					

3 Pole Miniature 3A



314-067
H=26.2, W=17.9,
D=22.2

314-079
L=23.1, Dia=25.4



Panel cut-out

Touch proof fully shrouded pins and sockets provide a safe yet compact mains connector. The plug has screw terminations, right angle cable entry, cord grip and touch proof terminals.

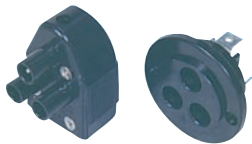
Free plug Screw terminations right angle cable entry and cord grip.

Contact Rating	3A @ 250V ac	Temperature range	-25°C to + 70°C
Contact Resistance	mΩ max.	Housing	(314-079) Nylon (314-067) Phenolic Resin
Insulation Resistance	MΩ	Contacts	Brass, Silver Plated
Breakdown voltage	5.5kV		

Mfrs. List No: L1436A/P = 942-7031 L1436B/S = 314-079 209339

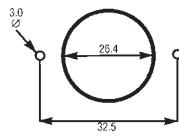
	Order Code	Price Each				
		1+	50+	100+	250+	500+
Free 90° plug	942-7031					
Panel Socket	314-079					

3 Pole 10A



314-080
H=41.4, W=28,
D=32.6

314-092
L=25.4, Dia=39.7



Panel cut-out

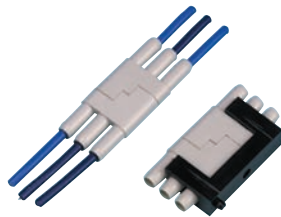
A safe mains connector featuring touch proof fully shrouded pins and sockets. The plug has screw terminations, right angle cable entry and cord grip. The socket can be front or rear panel mounted and has 6.35mm tabs for solder or snap on termination.

Contact Rating	10A @ 250V ac	Housing	(314-080) Black Phenolic Resin (314-092) Black Nylon
Breakdown Voltage	6kV	Contacts	(314-080) Brass, Silver Plated (314-092) Brass, Nickel Plated
Temperature range	-10°C to +55°C		

209340

	Mfrs. List No.	Order Code	Price Each			
			1+	50+	200+	500+
Free 90° plug	L1722A/P	314-080				
Panel Socket	L1722A/S	314-092				

'8020' 2 and 3 Way-In-Line



Mated Housing Mated Housings in Mounting Clip

- Cable connectors using 'Varicon' contacts, 2 mating bodies are required per connection
- Mounting clip holds mating halves
- Crimp contacts

Contact Rating	8.5A
Insulation Resistance	MΩ
Breakdown Voltage	2500V rms
Housing Material	Polycarbonate
Contact Material	
Contact Plating	
Temperature range	-55°C to +125°C

219740

7.5mm Mini HVL Connector System

Coupling Assemblies



The new Tyco Electronics 7.5mm Mini HVL Connector Series is designed according to the IEC 60320 standard for lighting industry applications, where size and easy interconnection are key requirements. It is installable in small fixtures into furniture, ceiling, wall and floors. Applicable in power connection and coupling between lamps such as lighting wiring offices, kitchen, bathroom, shop and household furniture.

Voltage Rating	2.5A 250VAC, 6A 125VAC, 7A 42VAC and 7A 42VDC
Temperature Range	0 - 60°C
Durability	300 Cycles
Mnfts part No	1740259-5 is for use with 7 way distributor

520120

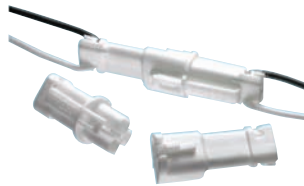


Description	Keying	Mfrs. List No.	Order Code	Price Each		
				1+	50+	100+
Plug Housing, White	HV1	1740259-1	162-8941			
Plug Housing, Black	HV1	1740259-2	162-8942			
Plug Housing, Red	HV2	1740259-5	162-8943			
Plug Housing, Blue	HV3	1740259-6	162-8944			
Outlet Housing, White	HV1	1740262-1	162-8947			
Outlet Housing, White	HV1	1740262-2	162-8948			
Outlet Housing, White	HV1	1740262-6	162-8949			
Outlet Housing, White	HV1	1740451-1	162-8950			

Accessories

	Mfrs. List No.	Order Code	1+	50+	100+
Tube, White	1740260-1	162-8953			
Tube, Black	1740260-2	162-8954			

LIGHT-N-LOK Connectors



- Available in 2 and 3 position sizes
- Poke-in termination for 18 AWG solid wire for easy tool-less, field or factory installation
- Integral strain relief prevents inadvertent wire twist out and pull out
- Designed for hot plugging
- Snag resistant rounded housings
- Compact connector housings: 2 pos. assembly fits through a 5/8" dia. knock-out

opening; 3 pos. assembly fits through a 7/8" dia. knock-out opening

- Connector latches prevent unintentional disconnection of connector
- Standard 3/8" wire strip length

Mfrs. List No.	No. of Ways	Order Code	Price Each				
			1+	25+	50+	100+	500+
2008144-1	2	163-8711					
2008152-1	3	163-8712					

Winsta® Mini 890 and 891 Series



- Current rating: 16A
- Ideal for space-restricted applications
- Provides IP20 protection in mated condition with strain relief housing
- Approvals: UL, CCA, LR, GL, DNV
- Provides first make / last break earth contact

No. of Poles	Colour	Mfrs. List No.	Order Code	Price Each				
				1+	10+	50+	100+	500+
2	Black	890-102	186-9317					
2	White	890-122	186-9318					
3	Black	890-103	186-9319					
3	White	890-123	186-9320					

Sockets							
2	Black	890-102	186-9317				
2	White	890-122	186-9318				
3	Black	890-103	186-9319				
3	White	890-123	186-9320				

Plugs							
2	Black	890-112	186-9321				
2	White	890-132	186-9323				
3	Black	890-113	186-9324				
3	White	890-133	186-9325				

T-connectors							
2	Black	890-1606	186-9326				
2	White	890-1656	186-9327				
3	Black	890-606	186-9328				
3	White	890-656	186-9329				

Socket, Snap-in							
2	Black	890-702	186-9330				
2	White	890-722	186-9331				
3	Black	890-703	186-9332				
3	White	890-723	186-9333				

Plug, Snap-in							
2	Black	890-712	186-9335				
2	White	890-732	186-9336				
3	Black	890-713	186-9337				
3	White	890-733	186-9338				

No. of Cable Poles	Length (mm)	Mfrs. List No.	Order Code	Price Each			
				1+	10+	50+	100+
2	1	891-8992/015-101	186-9339				
2	2	891-8992/015-201	186-9340				
2	3	891-8992/015-301	186-9341				
2	4	891-8992/015-401	186-9342				
2	5	891-8992/015-501	186-9343				

Cable Assemblies, 2 x 1mm ² Halogen Free Black Lead, Socket to Plug							
2	1	891-8992/015-101	186-9339				
2	2	891-8992/015-201	186-9340				
2	3	891-8992/015-301	186-9341				
2	4	891-8992/015-401	186-9342				
2	5	891-8992/015-501	186-9343				

Shrouded Contact Mains - continued

Winsta® Mini - continued

890 and 891 Series - continued

No. of Cable Poles	Length (mm)	Mftrs. List No.	Order Code	Price Each			
				1+	10+	50+	100+
Cable Assemblies, 2 x 1.5mm² Halogen Free Black Lead, Socket to Plug							
2	1	891-8992/016-101	186-9344				
2	2	891-8992/016-201	186-9345				
2	3	891-8992/016-301	186-9347				
2	4	891-8992/016-401	186-9348				
2	5	891-8992/016-501	186-9349				
Cable Assemblies, 3 x 1mm² Halogen Free Black Lead, Socket to Plug							
3	1	891-8993/015-101	186-9350				
3	2	891-8993/015-201	186-9351				
3	3	891-8993/015-301	186-9352				
3	4	891-8993/015-401	186-9353				
3	5	891-8993/015-501	186-9354				

T-Connector, Plug, Socket and Housing

Winsta Midi Series



- Current rating: 25A
- Cross section: 0.5-4mm²

- Available in 3, 4 and 5 Pole
- Black or white
- Plug and socket complete with housing
- Voltage rating: 250V (3 pole) and 400V (4 & 5 pole)

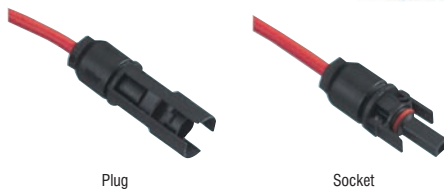


NEW

No. of Ways	Colour	Mftrs. List No.	Order Code	Price Each			
				1+	10+	50+	100+
T-Connector							
3	Black	770-606	207-4796				
3	White	770-656	207-4797				
4	Black	770-626	207-4803				
4	White	770-676	207-4804				
5	Black	770-621	207-4809				
5	White	770-671	207-4810				
Plug							
3	Black	770-113	207-4798				
3	White	770-133	207-4800				
4	Black	770-114	207-4805				
4	White	770-134	207-4807				
5	Black	770-115	207-4811				
5	White	770-135	207-4814				
Socket							
3	Black	770-103	207-4799				
3	White	770-123	207-4802				
4	Black	770-104	207-4806				
4	White	770-124	207-4808				
5	Black	770-105	207-4812				
5	White	770-125	207-4815				

Solar Power / Photovoltaic

SOLARLOK Photovoltaic Cable Couplers



SOLARLOK delivers a flexible system solution for easy and reliable interconnections from photovoltaic modules to the DC/AC converter. The male and female cable couplers are designed for high voltage and high current-carrying capacity in addition to the well established IP 67 sealing requirement in the photovoltaic industry.

- Features:-**
- Mating safety provided by keyed housings
 - Semi-automatic assembly capability possible
 - Multiple plugging and unplugging cycles
 - Accommodates solar cable with different insulation diameters
 - High current carrying capacity
 - Wide temperature operating range
 - TÜV and UL approved

Specifications:		Contact Material	
Contact Plating	Silver	Copper Zinc	
Housing Material	PPO		

553083

Wire Size (mm ²)	Mftrs. (AWG)	List No.	Order Code	Price Each			
				1+	25+	50+	100+
Male Cable Coupler, Positive Keying							
4	12	1394461-3	177-8564				
6	10	6-1394461-5	177-8569				
Male Cable Coupler, Negative Keying							
4	12	1394461-4	177-8565				
6	10	6-1394461-6	177-8578				
Male Cable Coupler, Neutral Keying							
4	12	6-1394461-2	177-8576				
6	10	6-1394461-4	177-8577				
Female Cable Coupler, Positive Keying							
4	12	1394462-3	177-8566				
6	10	5-1394462-5	177-8570				
Female Cable Coupler, Negative Keying							
4	12	1394462-4	177-8567				
6	10	5-1394462-6	177-8571				
Accessories							
Latch Locking Clip							
—	—	2106207-1	177-8568				
Grounding Clip, 10-32 screw size							
4-6	10-12	1954381-1	177-8575				
Warning Labels - "Solar Disconnect"							
			CL3803-000	177-8574			
Crimp Tool							
4-6	10-12	1-1579004-2	177-8573			1+	

DC Converter Receptacle

SOLARLOK



The design of the male and female receptacle for the junction box and the DC/AC converter follow the cable coupler click philosophy for quick and secure mating even in difficult mounting positions. Comes with O-ring and metal nut.

- Mating safety provided by keyed housing
- High current carrying capacity
- Accommodates solar cable with different insulation diameters

617107

Cable Size	Mftrs. List No.	Order Code	Price Each			
			1+	25+	50+	100+
Plus Keying						
14 AWG	1394738-1	179-4768				
12 AWG	1394738-3	179-4770				
10 AWG	1394738-9	179-4773				
Minus Keying						
14 AWG	1394738-2	179-4769				
12 AWG	1394738-4	179-4771				
10 AWG	1-1394738-0	179-4767				

Photovoltaic Connectors

Helios H4



NEW

- Machined Radsok contact technology with much lower contact resistance than competition
- Higher current rating than competition - 45A (4mm²) / 52A (6mm²) / 60A (10mm²)
- Quick and easy, secure snap lock mating
- NEC 2008, 690.33 compliant
- IP68 rated, compared to IP67 market standard
- Ratcheting backnut, prevents loosening during assembly process - especially for field installation
- High sealing range for the strain relief, covering all contact sizes
- Fully intermateable with industry standard

618739

Cable Size	Mftrs. List No.	Order Code	Price Each			
			1+	25+	50+	100+
Socket						
4mm ²	H4CFC4DI	184-5699				
6mm ²	H4CFC6DI	184-5700				
10mm ²	H4CFC8DI	184-5701				
Plugs						
4mm ²	H4CMC4DI	184-5702				
6mm ²	H4CMC6DI	184-5703				
10mm ²	H4CMC8DI	184-5704				

Cable Size	Mfrs. List No.	Order Code	Price Each			
			1+	25+	50+	100+
Bulkhead Socket						
4mm ²	H4CFM4DI	184-5705				
Bulkhead Plug						
4mm ²	H4CMM4DI	184-5707				
Branch Connectors						
2 x Female, 1 x Male	H4YX	207-7715				
2 x Male, 1 x Female	H4YY	207-7716				
Dust Caps						
Socket	H4PF	184-5708				
Plug	H4PM	184-5709				
Tooling (2.5-10mm²)						
Universal Tool	H4TU0000	184-5710	1+	5+		
Wrench Tool	H4TW0001	205-7880				
Strip Tool	H4TS0000	184-5711				
Crimp Tool	H4TC0001	205-7879				
Helios H4 Tool Kit						
	H4TK0000	207-7717				

Specifications:-		35A (12 AWG) / 40A (10 AWG)	Voltage Rating	1000VDC
Current Rating				
Contact Resistance	5mohm		Housing Material	TPU
IP Rating	IP67		Wire Size	10 / 12 AWG
Operating Temp.	-40°C to 85°C			

Mfrs. List No.	Wire Size	Polarity	Order Code	Price Each		
				1+	10+	25+
Plugs						
LC3-CP 30-1 4.0	12AWG	Positive	174-0201			
LC3-CP 30-1 6.0	10AWG	Positive	174-0202			
LC3-CP 30-2 4.0	12AWG	Negative	174-0203			
LC3-CP 30-2 6.0	10AWG	Negative	174-0204			
Sockets						
LC3-CP 31-1 4.0	12AWG	Positive	174-0205			
LC3-CP 31-1 6.0	10AWG	Positive	174-0206			
LC3-CP 31-2 4.0	12AWG	Negative	174-0207			
LC3-CP 31-2 6.0	10AWG	Negative	174-0208			
Dust Caps						
LC3-CX 91	For Sockets		174-0211			
LC3-CX 92	For Plugs		174-0212			
Crimp Tools						
LC3-CX CZ47-4	12AWG		174-0221			
LC3-CX CZ47-6	10AWG		174-0223			

Panel Mount Photovoltaic Power Systems

LC3 Series



- Panel mount connectors for system components such as inverters, generator isolation housings or accumulation boxes
- Quick and easy assembly
- Manual crimping tool allows for cost effective assembly
- Rugged and durable for permanently reliable system operation
- Optional locking according to NEC 2008 NFPA 70
- With contact-voltage protection
- UV and ozone-resistant
- Halogen-free

Specifications:-		35A (12 AWG) / 40A (10 AWG)	Voltage Rating	1000VDC
Current Rating				
Contact Resistance	5mohm		Housing Material	TPU
IP Rating	IP68		Wire Size	10 / 12 AWG
Operating Temp.	-40°C to 85°C			

Mfrs. List No.	Wire Size	Polarity	Order Code	Price Each			
				1+	10+	25+	100+
Plugs							
LC3-CP 10-1 4.0	12AWG	Positive	174-0193				
LC3-CP 10-1 6.0	10AWG	Positive	174-0194				
LC3-CP 10-2 4.0	12AWG	Negative	174-0195				
LC3-CP 10-2 6.0	10AWG	Negative	174-0196				
Sockets							
LC3-CP 11-1 4.0	12AWG	Positive	174-0197				
LC3-CP 11-1 6.0	10AWG	Positive	174-0198				
LC3-CP 11-2 4.0	12AWG	Negative	174-0199				
LC3-CP 11-2 6.0	10AWG	Negative	174-0200				
Dust Caps							
LC3-CX 91	For Sockets		174-0211				
LC3-CX 92	For Plugs		174-0212				
Crimp Tools							
LC3-CX CZ47-4	12AWG		174-0221				
LC3-CX CZ47-6	10AWG		174-0223				

Panel Mount Photovoltaic Power Systems

LC4 Series



- Panel mount connectors for system components such as inverters, generator isolation housings or accumulation boxes
- Quick and easy assembly
- Manual crimping tool allows for cost effective assembly
- Rugged and durable for permanently reliable system operation
- With contact-voltage protection
- UV and ozone-resistant
- Halogen-free

Specifications:-		35A (12 AWG) / 40A (10 AWG)	Voltage Rating	1000VDC
Current Rating				
Contact Resistance	5mohm		Housing Material	PPE
IP Rating	IP68		Wire Size	10-12 AWG
Operating Temp.	-40°C to 90°C		No. of Mating Cycles	50

Mfrs. List No.	Wire Size	Polarity	Order Code	Price Each			
				1+	10+	25+	100+
Plugs							
LC4-CP 10-1 4.0/6.0	10-12 AWG	Positive	174-0213				
LC4-CP 10-2 4.0/6.0	10-12 AWG	Negative	174-0214				
Sockets							
LC4-CP 11-1 4.0/6.0	10-12 AWG	Positive	174-0215				
LC4-CP 11-2 4.0/6.0	10-12 AWG	Negative	174-0216				
Crimp Tool							
LC4-CX CZK48	10-12 AWG		174-0224				

Field Attachable Photovoltaic Power Systems

LC3 Series



- Can be assembled anywhere on-site
- Convenient for smaller installations
- Complements the wiring concept with pre-assembled, overmolded connectors
- Quick and easy assembly
- Only one tool necessary for stripping and crimping
- Rugged and durable for permanently reliable system operation
- With contact-voltage protection
- Optional locking according to NEC 2008 NFPA 70
- UV and ozone-resistant, halogen-free

Field Attachable Photovoltaic Power Systems

LC4 Series



- Can be assembled anywhere on-site
- Convenient for smaller installations
- Complements the wiring concept with pre-assembled, overmolded connectors
- Quick and easy assembly
- Rugged and durable for permanently reliable system operation
- With contact-voltage protection
- UV and ozone-resistant
- Halogen-free

Specifications:-		35A (12 AWG) / 40A (10 AWG)	Voltage Rating	1000VDC
Current Rating				
Contact Resistance	5mohm		Housing Material	TPU
IP Rating	IP67		Wire Size	10-12 AWG
Operating Temp.	-40°C to 90°C		No. of Mating Cycles	50

Field Attachable Photovoltaic Power Systems - continued

LC4 Series - continued

Mfrs.	Wire Size	Polarity	Order Code	1+	10+	25+	100+
Plugs							
LC4-CP 30-1	4.0/6.0	10-12 AWG Positive	174-0217	●			
LC4-CP 30-2	4.0/6.0	10-12 AWG Negative	174-0218	●			
Sockets							
LC4-CP 31-1	4.0/6.0	10-12 AWG Positive	174-0219	●			
LC4-CP 31-2	4.0/6.0	10-12 AWG Negative	174-0220	●			
Crimp Tool							
LC4-CX CZK48	10-12 AWG		174-0224	●			

SolarSpec™ DC Connectors



These Rugged and durable cable mounted, IP67-sealed, SolarSpec™ DC connectors with simple snap-lock mating and internal locking mechanism for superior safety are designed for direct connection to solar junction boxes, field installations and distributors.

photovoltaic grid wiring and deliver quality and value to module manufacturers, installers and distributors.

- Internal locking mechanism
- Dual qualified by TÜV and UL
- Meets NEC 2008 (690.33) and NFPA 70
- IP67-sealing protection against dust and water
- Resistant to UV and ozone damage

Connector	Gender	Wire Gauge	Mfrs. List No.	Order Code
Housings	Receptacle	2.5MM2 / 14AWG	130244-0203	209-3968
Socket	Receptacle	4-6MM2 / 10-12AWG	130244-0201	209-3969
Plug	Plug	2.5MM2 / 14AWG	130244-0204	209-3970
Plug	Plug	4-6MM2 / 10-12AWG	130244-0202	209-3971
Pack of 5				
Socket	Receptacle	2.5MM2 / 14AWG	130244-1203	209-3973
Socket	Receptacle	4-6MM2 / 10-12AWG	130244-1201	209-3974
Plug	Plug	2.5MM2 / 14AWG	130244-1204	209-3975
Plug	Plug	4-6MM2 / 10-12AWG	130244-1202	209-3976

Crimp Contacts

Gender	Contact Material	Contact Plating	Mfrs. List No.	Order Code
Pin	Copper	Silver	130196-0313	209-3977
Pin	Copper	Silver	130196-0310	209-3978
Socket	Copper	Silver	130197-0336	209-3979
Socket	Copper	Silver	130197-0325	209-3980

Accessories

Service Tool	Mfrs. List No.	Order Code
Service Tool	130203-1290	209-3981
Crimp Tool	63823-6400	209-3982

Mfrs. List No.	Order Code	1+	25+	50+	100+	500+
130244-0203	209-3968	●				
130244-0201	209-3969	●				
130244-0204	209-3970	●				
130244-0202	209-3971	●				
Pack of 5		1+	10+	25+	50+	100+
130244-1203	209-3973	●				
130244-1201	209-3974	●				
130244-1204	209-3975	●				
130244-1202	209-3976	●				
Crimp Contacts		1+	25+	50+	100+	500+
130196-0313	209-3977	●				
130196-0310	209-3978	●				
130197-0336	209-3979	●				
130197-0325	209-3980	●				
Accessories		1+	5+			
130203-1290	209-3981	●				
63823-6400	209-3982	●				

Sealed

3 Pole Connectors

RST 20i3 series

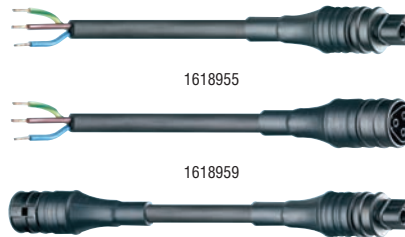


- For general mains applications
- Built-in strain relief, coding and locking device
- Screw clamp terminations
- Current rating - 20A
- Voltage - 250V
- Housings - Thermoplastic, PA 66
- 3 Poles
- Operating temperature- -40°C to 100°C
- IP65, IP66, IP67, IP68

Mfrs. List No.	Cable Ø	Order Code	1+	10+	50+	100+
Cable Connectors - Sockets						
96.031.4053.1	6 - 10 mm	161-8940	●			
96.031.4153.1	10 - 14 mm	161-8941	●			
Cable Connectors - Plugs						
96.032.4053.1	6 - 10 mm	161-8942	●			
96.032.4153.1	10 - 14 mm	161-8943	●			
Splitter Sockets						
96.031.4253.1	6 - 10 mm	161-8944	●			
96.031.4353.1	10 - 14 mm	161-8946	●			
Mfrs. List No.	Feedthrough Ø		1+	10+	50+	100+
Appliance Connectors - Sockets						
96.031.5053.1	M25	161-8947	●			
96.031.6053.1	M20	161-8948	●			
Appliance Connectors - Plugs						
96.032.5053.1	M25	161-8949	●			
34.399.1536.1	M20	161-8950	●			
Distribution Block, with locking levers						
96.030.0153.1		161-8951	●			
Plug Cover						
99.416.6205.2		161-8953	●			
Socket Cover						
99.414.6205.2		161-8954	●			

3 Pole Cables

RST 20i3 series



- For general mains applications
- 3 lengths of cable available - 1, 3 & 5m
- Current rating - 20A
- Voltage - 250V
- Housings - Thermoplastic, PA 66
- 3 Poles
- Operating temperature- -40°C to 100°C
- IP65, IP66, IP67, IP68

Descriptions:

Plug - Free-end cables - ultrasonically welded wire ends and locking device

Cable strip length - 35mm

Insulation strip length - 9mm

Socket - Free-end cables - with ultrasonically welded wire ends

Cable strip length - 35mm

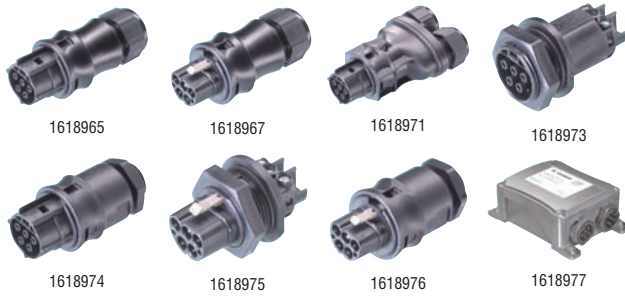
Insulation strip length - 9mm

Plug - Socket cables - with locking device

Mfrs. List No.	Cable Length	Order Code	1+	10+	50+	100+
Plug - Free-end						
96.232.1034.1	1m	161-8955	●			
96.232.3034.1	3m	161-8956	●			
96.232.5034.1	5m	161-8958	●			
Socket - Free-end						
96.232.1033.1	1m	161-8959	●			
96.232.3033.1	3m	161-8960	●			
96.232.5033.1	5m	161-8961	●			
Plug - Socket						
96.232.1030.1	1m	161-8962	●			
96.232.3030.1	3m	161-8963	●			
96.232.5030.1	5m	161-8964	●			

5 Pole Connectors

RST 2015 series



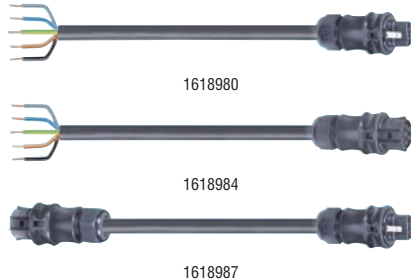
- For general mains applications
- Built-in strain relief, coding and locking device
- Screw clamp terminations
- Current rating - 20A
- Voltage - 250V
- Housings - Thermoplastic, PA 66
- 5 Poles
- Operating temperature- -40°C to 100°C
- IP65, IP66. IP67, IP68

525122

Mfrs. List No.	Cable Ø	Order Code	Price Each			
			1+	10+	50+	100+
Cable Connectors - Sockets						
96.051.4053.1	6 - 10 mm	161-8965				
96.051.4153.1	10 - 14 mm	161-8966				
Cable Connectors - Plugs						
96.052.4053.1	6 - 10 mm	161-8967				
96.052.4153.1	10 - 14 mm	161-8968				
Mfrs. List No.	Feedthrough Ø		1+	10+	50+	100+
Appliance Connectors - Sockets						
96.051.5053.1	M25	161-8973				
96.051.6053.1	M20	161-8974				
Appliance Connectors - Plugs						
96.052.5053.1	M25	161-8975				
Distribution Block, with locking levers						
96.050.0153.1		161-8977				
Plug Cover						
99.532.0000.7		161-8978				
Socket Cover						
99.530.0000.7		161-8979				

5 Pole Cables

RST 2015 series



- For general mains applications
- 3 lengths of cable available - 1, 3 & 5m
- Current rating - 20A
- Voltage - 250V
- Housings - Thermoplastic, PA 66
- 3 Poles
- Operating temperature- -40°C to 100°C
- IP65, IP66. IP67, IP68

Descriptions:-

Plug - Free-end cables - ultrasonically welded wire ends and locking device
Cable strip length - 35mm
Insulation strip length - 9mm

Socket - Free-end cables - with ultrasonically welded wire ends
Cable strip length - 35mm
Insulation strip length - 9mm

Plug - Socket cables - with locking device

525128

Mfrs. List No.	Cable Length	Order Code	Price Each			
			1+	10+	50+	100+
Plug - Free-end						
96.452.1034.1	1m	161-8980				
96.452.3034.1	3m	161-8981				
Socket - Free-end						
96.452.3033.1	3m	161-8985				
Plug - Socket						
96.452.3030.1	3m	161-8988				

Snaplock Connector System

Single Pole Plugs & Sockets



Engineered for life



- Miniature power cable hook up system
- high current
- Minimal physical dimensions
- Improved safety Characteristics
- Contact clip retention
- Fast, simple assembly
- Free connector has crimp termination
- Panel connector has M12 threaded post
- IP67 when mated

Voltage Rating AC	415V	Mating Cycles	500
Current Rating	250A	Housing Material	High Temp. Thermoplastic
Operating Temperature	-30 to +125°C	Flammability	UL94V-0
IP Rating	IP67 when mated.		

Free Socket

Colour	Contact Wire Size	Mfrs. List No.	Order Code	Price Each		
				1+	5+	10+
Cable Grip 10mm-14mm						
Black	25mm ²	SNLF-S-C25-25S-BK	139-0196			
Blue	25mm ²	SNLF-S-C25-25S-BL	139-0197			
Brown	25mm ²	SNLF-S-C25-25S-BN	139-0198			
Grey	25mm ²	SNLF-S-C25-25S-GY	139-0201			
Cable Grip 13mm-18mm						
Black	50mm ²	SNLF-S-C50-25L-BK	139-0207			
Blue	50mm ²	SNLF-S-C50-25L-BL	139-0208			
Green	50mm ²	SNLF-S-C50-25L-GN	139-0210			

Free Plug

Colour	Contact Wire Size	Mfrs. List No.	Order Code	Price Each		
				1+	5+	10+
Cable Grip 10mm-14mm						
Black	25mm ²	SNLM-P-C25-25S-BK	139-0213			
Blue	25mm ²	SNLM-P-C25-25S-BL	139-0214			
Brown	25mm ²	SNLM-P-C25-25S-BN	139-0215			
Grey	25mm ²	SNLM-P-C25-25S-GY	139-0217			
Cable Grip 13mm-18mm						
Black	50mm ²	SNLM-P-C50-25L-BK	139-0224			

Panel Socket - M12 Threaded Post

Colour	Mfrs. List No.	Order Code	Price Each		
			1+	5+	10+
Black	SNPF-S-TP-BK	139-0229			
Blue	SNPF-S-TP-BL	139-0230			
Green	SNPF-S-TP-GN	139-0232			
Grey	SNPF-S-TP-GY	139-0233			

Panel Plug - M12 Threaded Post

Colour	Mfrs. List No.	Order Code	Price Each		
			1+	5+	10+
Black	SNPM-P-TP-BK	139-0234			
Blue	SNPM-P-TP-BL	139-0236			
Brown	SNPM-P-TP-BN	139-0237			
Grey	SNPM-P-TP-GY	139-0239			

476057

Crimp Tool

	Order Code	Price Each
C130 CRIMP TOOL AND DIES	139-0241	1+

Lemo - High Power Connectors

Lemo High Power



- Locking ring on plug

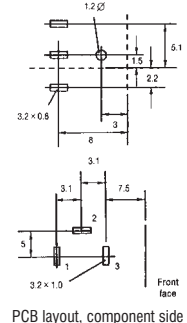
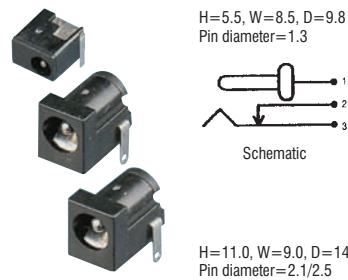


Operating Voltage	2.8kV rms	2.8kV rms	2.8kV rms	2.8kV rms
Operating Voltage DC	4 kV dc	7 kV dc	8 kV dc	15 kV dc
Contact Dia	0.9mm	0.9mm	0.9mm	0.9mm
Rated Current	4A	4A	4A	4A
AWG Max Solid	20	20	20	20
AWG Max Stranded	22	20	16	18
Collet size mm	3.3-4.1	4.8-5.6	5.1-6.0	5.1-6.0
Body Material	Brass			
Body Plating	Chrome			



Lemo High Power - continued

Operating Voltage	Mfrs. List No.	Order Code	1+	5+	10+	50+	100+
232088							
Free Plug							
2.8kV	FFB.0S.403.CLAC44	381-8019					
5.5kV	FFB.2S.408.CLAC62	381-8032					
10kV	FFB.3S.415.CLAC62	No Order Code					
Panel Socket							
2.8kV	ERA.0S.403.CLL	381-8056					
5.0kV	ERA.1S.405.CLL	381-8068					
5.5kV	ERA.2S.408.CLL	381-8070					
10kV	ERA.3S.415.CLL	381-8081					



209036

Low Voltage DC Power Connectors

Miniature plugs and sockets for low voltage dc power requirements. Suitable for a wide range of applications eg. measurement and test instruments, calculators, portable audio/visual equipment, rechargeable battery packs etc.

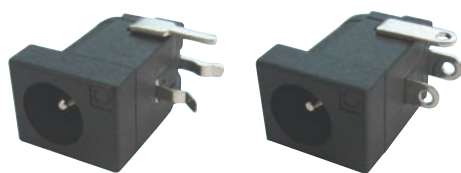
Available in three sizes of plugs and PCB mounting sockets or a single chassis mounting socket.

Contact rating	5A @ 12V (1, 1.3mm)	Contacts	
Temperature range	0°C to +70°C	Termination	Solder
Housing	Black ABS		

227485

DC10L Dual DC Socket

Accepts 2.1 & 2.5mm Plugs



PCB Mount

Solder Tag

- Unique patented design ensures superior contact for both 2.1mm & 2.5mm plugs
- PBT body material
- Current rating = 5A, Voltage Rating = 12V
- Copper Alloy / Tin plated contacts
- 90° PCB Mount or Solder Tag / Chassis Mount

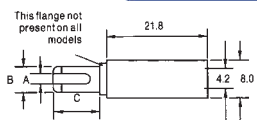
618753

Mounting	Mfrs. List No.	Order Code	1+	10+	50+	100+	250+
PCB	FCR681465P	185-4512					
Solder Tag	FCR681465	185-4514					

Plugs



Hole Dia. of 1.3, 2.1 and 2.5mm



Dimensions

A	B	C
1.3	3.5	9.0
2.1	5.5	9.5
2.5	5.5	9.5

227359

10 Per Pack

Hole Dia	Order Code	1+	10+	25+	50+	100+
1.3	224-911					
2.1	224-923					
2.5	224-935					

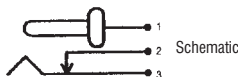
Chassis Mounting Sockets

2.1mm Pin Centre

Screw mount
D (behind panel) = 15.2
Dia = 16 max
Panel cut-out = 12.6 ± 0.1 dia.
Panel thickness = 7



Flange fixing
H = 20.5, W = 9.0,
D = 18.1 max (incl pins)
Fixing centres = 15.5 x 2.4 diameter
Panel thickness = 7.5 max,



209037

10 Per Pack

Order Code	1+	10+	25+	50+	100+
Screw mount	113-7744				
Flange fixing DC13A	224-972				

Plugs



- DC plug connector in accordance with the EIAJ Standard
- Maximum current load 2 A

Type	Typ	DC Voltage	Dimensions, shaft	Order Code
JSAP1	1636 01	3.15V	0.7mm x 2.35mm	121-6982
JSAP2	1636 02	3.15V - 6.3V	1.7mm x 4.0mm	120-0128
JSAP3	1636 03	6.3V - 10.5V	1.7mm x 4.75mm	121-6984
JSBP4	1636 04	10.5V - 13.15V	3.3mm x 5.5mm	121-6985
JSBP5	1636 05	13.15V - 18V	4.3mm x 6.5mm	121-6986
-	1634 02	12 V		156-8397
-	1633 02	12 V		156-8398

STEL517 / 239699

Type	Typ	Order Code	1+	10+	50+	100+
JSAP1	1636 01	121-6982				
JSAP2	1636 02	120-0128				
JSAP3	1636 03	121-6984				
JSBP4	1636 04	121-6985				
JSBP5	1636 05	121-6986				

Sockets, PCB and Panel Mount

NEB Series



NEB1

NEB21R

NEB/J21
NEB/J25

NEB/J21R
NEB/J25R

Rated current:

@ 12V

STEL065 / 239690

Mfrs. List No.	Central Pin	Order Code	1+	10+	50+	100+	500+
Solder Termination							
NEB1L	1.9	121-7036					
NEB/J21L	2	121-7038					
NEB/J25L	2.35	121-7040					

PCB Versions

NEB21RL	1.95	121-7037					
NEB/J21RL	1.9	121-7039					
NEB/J25R	2.35	120-0151					

TROUBLESHOOTING TIPS

Chat online to one of our technical engineers at farnell.com

Plugs NES Series



Rated current: 1A @ 12V

STEL064 / 239351

Mfrs. List No.	Order Code	Price Each				
		1+	10+	50+	100+	500+
NES 1	121-7031					
NES/J 135	121-7032					
NES/J 21	121-7034					
NES/J 210	120-0147					
NES/J 25	120-0149					
NES/J 250	121-7035					

Chassis Mounted Sockets



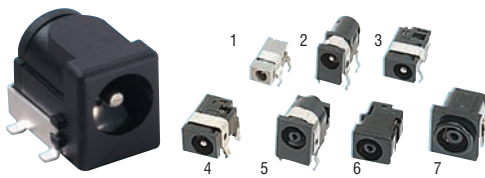
- DC chassis mounted female connectors in accordance with the EIAJ Standard
- Maximum current load 2 A

Type	Mfrs. list no.	DC voltage	Dimensions, shaft	Order Code
JSBJ5	1614 05	18V - 18V	1.45mm	121-6987
-	1614 09	12V	central, 5,7 x 2,0mm	124-3246
-	1614 10	VV12	central, 5,7 x 2,35mm	124-3247
-	1614 14	12V	central, 5,7 x 2,0mm	124-3248
-	1614 15	12V	central, 5,7 x 2,35mm	124-3249

239708

Type	Mfrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
JSBJ5	1614 05	121-6987				
-	1614 09	124-3246				
-	1614 10	124-3247				
-	1614 14	124-3248				
-	1614 15	124-3249				

Sockets, PCB Series 1613



1613 14

- DC Sockets to EIAJ standard
- 90° mounting
- Maximum current rating, 2A

Typ	Lumberg	DC-Voltage	Dimensions, Shaft	Order Code
1	1613 03	3.15V	0.65mm	121-6988
2	1613 04	3.15V	0.65mm	121-6989
3	1613 05	12V/12V-	1.65mm x 4.4mm	121-6990
4	1613 07	10.5V/10.5V-	1.65mm x 5.15mm	120-0129
1613 14	1613 14	12V	5,5mm x 2,1mm	124-3245
5	1613 09	13.15V/13.15V-	1.05mm	121-6991
6	1613 10	13.5V/13.5V-	1.05mm	121-6992
7	1613 11	18V/18V-	1.45mm	121-6993

239718

Type	Mfrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
JSAJ1	1613 03	121-6988				
JSAJ2	1613 04	121-6989				
JSAJ2	1613 05	121-6990				
JSAJ3	1613 07	120-0129				
JSBJ4	1613 09	121-6991				
JSBJ4	1613 10	121-6992				
JSBJ5	1613 11	121-6993				
-	1613 14	124-3245				

Sealed Power Plugs and Jacks

Switchcraft®

NEW



Power Jack

Power Jack, R/A

Power Plug

- IP68 / NEMA 250 (6P) for properly mated sealed jack and plug
- Available in multiple pin diameters
- Automatic switch over from AC to DC permitted by sleeve shunt spring
- IP rated JCAP protects jack when not in use
- Current rating 5 A
- Voltage rating 30 VDC
- Used in outdoor power supplies, medical equipments and lighting connections in harsh environment

638259

Pin Dia.	Mfrs. List No.	Order Code	Price Each			
			1+	10+	25+	100+
Power Jack - Soldering Lug, IP68						
2 mm	L722AS	187-1169				
2.5 mm	L712AS	187-1166				
Power Jack - PCB, IP68						
2 mm	PCL722AS	187-1170				
2.5 mm	PCL712AS	187-1167				
Power Jack - Right Angle PCB, IP68						
2 mm	L722RAS	187-1172				
2.5 mm	L712RAS	187-1168				
Dust Cap, for Power Jacks						
-	JCAP	187-1173				
Power Plug - Pin housing, Cable Nominal Outer Dia. 3.2-3.8 mm						
2 mm	S761KS12	187-1177				
2.1 mm	767KS12	187-1180				
2.5 mm	761KS12	187-1174				
Power Plug - Pin housing, Cable Nominal Outer Dia. 3.8-4.4 mm						
2 mm	S761KS15	187-1178				
2.1 mm	767KS15	187-1181				
2.5 mm	761KS15	187-1175				
Power Plug - Pin housing, Cable Nominal Outer Dia. 4.4-5.1 mm						
2 mm	S761KS17	187-1179				
2.5 mm	761KS17	187-1176				

DIN ISO 4165 Plug - Universal

PRO-CAR



L=83, Dia.=25

- For 6 to 24V dc car, boat and caravan electrical systems
- High quality DIN ISO 4165 certified universal plug
- Bayonet catch ensures firm positioning
- Unfused and fused versions available
- Suitable for cigarette lighter and
- standard DIN ISO 4165 socket outlets TUV approved

209129

Type	Mfrs. List No.	Order Code	Price Each			
			1+	10+	25+	50+
Unfused 8A	57716000	658-364				
Fused 8A	57715000	658-376				

Universal Plug to Bared Ends

PRO-CAR

DIN ISO 4165



- Pre-wired universal plug and lead
- Flat cable version has 8A fuse fitted

Cable length: coiled=3 metres (extended)
size=2 x 0.75mm² Cable:flat=4 metres

209128

Type	Mfrs. List No.	Order Code	Price Each			
			1+	10+	25+	50+
Flat, fused 8A	57717001	658-406				



CeeLok FAS-T Connectors, Cable Assemblies, and Associated Products



TE's CeeLok FAS-T connector is the most **rugged, small form factor, 10 Gigabit Ethernet, field terminable I/O connector** in the Aerospace, Defense and Marine marketplace. It has been designed to perform in some of the most extreme environments in the industry, while providing substantial size and weight savings via its small shell size 8 form factor.

TE also offers associated products such as Band Straps, Termination Devices, Molded Boots, Wire and Cable and complete harnessing capabilities that complement this exciting new connector.



element14

