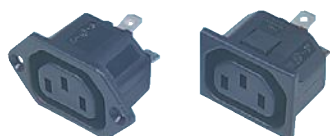


Connectors – Power & Mains

Latest Products from...

IEC Outlets



See page 1789

IEC Inlet With Outlets



See page 1789

UK Mains Plugs



See page 1771

Industrial BS4343



See page 1777

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Power and Mains

256454

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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, phosphor bronze fuse clips
 Box Qty. 20
 Mfrs. list No. VX1307 + Fuse rating + Colour



209028

Fuse Rating	Colour	Order Code	1+	20+	100+	200+	400+	1K+
5A	White	150-692	1.05	0.88	0.78	0.67	0.62	0.53

'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.

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

209041

Fuse Rating	Order Code	1+	10+	50+	100+	500+
3A	269-098	2.44	2.27	2.18	2.11	1.97
13A	107-754	2.50	2.34	2.25	2.15	2.06

Urea/Nylon



- Integral cord grip
- Fused and with shrouded pins

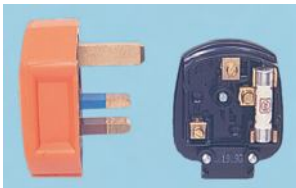
Fuse Supplied 3A or 5A
 Housing Urea (base), nylon (top)
 Contacts Sleeved brass pins, phosphor bronze fuse clips



209203

Fuse Rating	Order Code	1+	10+	50+	100+	500+
3A	964-396	1.21	—	—	—	—
5A	964-402	0.78	0.66	0.58	0.56	0.53

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.

Mfrs. List No: PF133BLK+ Colour

209195

Colour	Order Code	1+	10+	50+	100+	500+
Black	150-699	2.00	1.88	1.78	1.73	1.57
White	150-700	2.13	2.04	1.90	1.82	1.73
Orange	150-701	2.28	2.05	2.00	1.96	1.85

FOR MORE INFORMATION & CHOICE

Product Search

Mains Plugs


☐ RoHS Compliant Items Only | [Advanced Search](#)


40,000 PRICES REDUCED

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, phosphor bronze fuse clips
 Box Qty. 10

209325

Fuse	Colour	Cover Marking	Order Code	1+	10+	50+	100+	500+
3A	White		269-104	3.22	2.95	2.75	2.67	2.53
13A	Red		107-758	3.98	3.57	3.33	3.12	3.07
13A	Orange		107-759	3.74	3.23	3.12	3.01	2.87
13A	White	Hospital Property	269-116	4.23	3.68	3.60	3.41	3.30

Unfused Africa & Asia Round Pin



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

Manufactured to **BS546, 1950**
 Housing Black Rubber
 Contacts Brass
 Box Qty.

Mfrs. List No: P53BLK = 269-128 P153BLK = 269-130

219695

Rating	Colour	Order Code	1+	10+	50+	100+	250+
5A	Black	269-128	2.79	2.61	2.51	2.41	2.32
15A	Black	269-130	3.13	2.98	2.85	2.72	2.60

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

Current Rating 16V@250V AC
 Housing Flame Retardant Polypropylene
 Contacts Brass
 Max Cable Dia. 11.0
 Box Qty. 20
 Mfrs. List No: 50215 WHT = 299-881, 50216 WHT = 299-900, 50239 BLK = 299-911
 50235 BLK = 299-893

209069

Colour	Order Code	1+	20+	100+	200+
Straight Entry					
White	299-881	0.86	0.75	0.70	0.68
Black	299-893	0.84	0.74	0.71	0.69
Side Entry					
White	299-900	1.52	1.42	1.32	1.23
Black	299-911	1.25	1.11	1.01	0.89

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

Typ.
 without bush
 2030/WS

Typ.
 with bush
 2032/WS

Colour
 White

232421

Mfrs. List No.	Order Code	1+	10+	50+	100+
2032/WS	120-7927	1.14	1.00	0.83	0.71



International Mains Plugs - continued

"Schuko" Plug

Type 2037



- 2- pin, laterally split angled plug with side cable entry
- In accordance with **DIN 49441R 1** and **CEE7**, Standard Sheet IV
- **VDE** approved

Material: Thermoplastics, impact proof Cable size: 3 x 1.5mm² max.
 Rated current/Voltage: 16A/250V AC

346930

Mfrs. List No.	Colour	Order Code	1+	10+	50+	100+
2037 WS	White	118-7190 ●	0.91	0.86	0.80	0.75
2037 SW	Black	118-7189 ●	0.91	0.86	0.80	0.75

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				
571366	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
574008	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
637666	Rubber coupling, without snap-action collar	DIN49440, CEE7/III	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	1+	10+	25+
Rubber, large						
571366	Plug	IP44	364-4212	2.24	1.99	1.82
574015	Coupling	IP44	364-4388	4.14	3.67	3.34
574008	Coupling	IP44	364-4390	3.72	3.31	3.01
Rubber, small						
637147	Plug	IP44	364-4364	1.60	1.43	1.31
637666	Coupling	IP44	364-4182	5.29	4.72	4.29
ISO						
519030	Plug		364-4406	0.79	0.68	0.62
519597	Coupling		364-4418	1.18	1.05	0.96

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

232422

Mfrs. List No.	Order Code	1+	10+	50+	100+
1050T	120-7926	1.92	1.69	1.42	1.24

Help us to help the environment



This catalogue has been printed on paper certified from a sustainable source.
 Please recycle after use.

Swiss Mains



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

232423

Mfrs. List No.	Order Code	1+	5+	10+	50+
Connector T12					
149601 Black	121-6717	0.93	0.76	0.62	0.46
149602 White	121-6718	0.93	0.76	0.62	0.46
Coupler T13					
149622 Black	121-6719	1.28	1.11	0.91	0.70

Type 10003



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

rated voltage (V) 250
 rated current (A)
 colour 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	1+	10+	50+	100+
10003	843-684 ●	8.52	8.12	7.20	6.50

Italy, 2 Pin + Earth Plug

Unfused



- Rewireable straight, one piece moulding
- Approved, **IMO**
- Integral cable clamp
- Meets the **CE123-16** standard

Current Rating 10A@220V Mfrs. List No: 51532WHITE = 535-254

209115

Colours	Order Code	1+	20+	100+	200+
White	535-254	1.44	1.34	1.25	1.18

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 16@250V
 Housing Polyamide
 Contacts Brass, Nickel Plated

Terminations 3x1.5mm² screw
 Box Qty. 400

Mfrs. List No:2029/WS=No Order Code2029/SW=120-7925

219700

Colour	Order Code	1+	50+	200+	400+
White	120-7923	2.36	1.85	1.47	1.21
Black	120-7925	2.36	1.85	1.47	1.21

America, 2 Pin

Free Plug and Panel Sockets



Socket panel cut-out=29.6 x 14 Fixing centres=27 x 2.5 dia. Pin dimensions
L=18, W=6.3, Th=1.4 Pitch=12.7

Contact Rating Plug 15A@125V Body Black bakelite
Socket 15A@125V Contacts Brass

Warning: Only suitable for use with correct mating socket. Equipment Safety Regulations 1975.

209044

	Order Code	1+	25+	Price Each	50+	100+	250+
Free plug	151-5083●	0.65	0.62	0.57	0.51	0.48	
Socket Snap Fit	390-6530	0.39	0.35	0.31	0.29	0.27	

Adaptors

World Wide Travel Adapter



weight: 113g

- The elegant, safe and easy way to connect your portable appliances (Mobilephone, 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	1+	Price Each	5+	10+
SWA001.1B	107-9170▲	16.56	15.18		13.78

International Power-Traveller®



561-307 561-319 561-320



561-368 561-370 561-381



755-4796

561-307 2 round Pin Schuko plug to 3 pin 13A (UK) socket or 5A, 2 Pin shaver socket for use in: Austria, Belgium, Spain inc Majorca, Canaries, Portugal, Holland, Scandinavia, France, Germany, Switzerland, Luxembourg, Greece inc Corfu + Islands, Italy, Tunisia, Morocco, Yugoslavia, Bulgaria, Corsica, Denmark, Egypt, Hungary, Ibiza, India, Israel, Madeira, Maldives, Monaco, Norway, Poland, Rumania, Russia, Sardinia, Sicily, Turkey, Sweden.

561-319 2 Flat Pin Plug (angle adjustment on Pins), to 13A (UK) Socket or 5A, 2 Pin shaver socket for use in USA, Canada, Japan, Australia, New Zealand.

561-320 3 Square Pin, 13A (UK) Plug to fused European Schuko socket for use in: Great Britain, Cyprus, Gibraltar, Hong Kong, Singapore, Kenya, Malaysia, Sri Lanka, Malta, Qatar, Saudi Arabia, UAE, Yemen, Oman, Lebanon, Egypt, Dubai, Abu Dhabi, Bahrain, Bangladesh, Jordan, Kuwait, Bahamas, Belize, Guyana (50Hz), Botswana, Brunei, Gambia, Ghana, India, Jamaica, Malawi, Mauritius, Nigeria, Pakistan, Seychelles, Sierra Leone, Zambia, Zimbabwe, Tanzania, Trinidad.

755-4796 UK Shaver adaptor. 3 square pin 13A (UK) Plug to 1A fused 2 Pin (flat or round socket)

561-368 Multiplug (Europe, USA, Canada and Australia) to 3 square Pin UK socket. For Britons travelling abroad.

561-370 Multiplug (UK, Europe, USA and Australia) to fused 2 Pin European/USA/Australian socket for non UK residents travelling abroad.

561-381 Select-A-Plug. Worldwide adaptor between any of the plugs and sockets above. Integral 5A fuse protection.

209010

Plug	Socket	Mfrs. List No.	Order Code	1+	Price Each	5+	10+
Euro	UK	TCN01	561-307	2.23	2.11	2.05	
USA/OZ	UK	TCN02	561-319	2.23	2.11	2.05	
UK	Euro	TCN03	561-320	3.77	3.40	3.10	
UK	Shaver	8780	755-4796	1.23	1.05	0.92	
Multi	UK	TRA3	561-368	5.44	5.08	4.72	
Multi	Euro	TRA4	561-370	8.43	7.59	6.90	
	Multi	TRA100	561-381	10.17	9.67	9.37	

Adaptor plug for mains supply line UK, AUS, USA

ANSMANN



- EU plug to UK, AUS and USA (for equipment with wide range input)



242667

Mfrs. List No.	Description	Order Code	Price Each	1+
10950121.	EU - AUS	416-9955	3.30	
10950127.	EU - USA	416-9967	1.39	

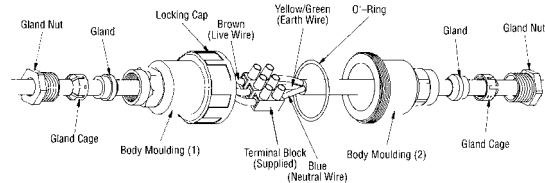
In-line Lead Connectors



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	1mm ²	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+	Price Each	50+	100+	250+
Black	257-825●	6.20	5.76	5.52	5.21	4.99	
Orange	469-646●	6.59	6.13	5.86	5.46	4.89	

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	1.5mm ²	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+	Price Each	25+	50+
Aqua-Safe	328-2879●	14.76	12.04	11.15	10.22	

Over 480,000 products online



In-line Lead Connectors - continued

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

335274.342999

No. of Poles	Body Colour	Mfrs. List No.	Order Code	1+	10+	25+	50+
3	Black	TTK20BK-SD-F	113-0909●	7.60	6.56	6.17	6.02
3	Grey	TTK20GY-SD-F	113-0911●	6.36	5.50	5.16	5.05
5	Black	TTK25BK-SD-F	113-0913●	8.82	7.62	7.17	6.99
3	Orange	TTK20OE-BK-F	113-0914●	7.62	6.26	5.89	5.76

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	65	Flammability Class	UL94V-0
Temperature Range	-20°C to 110°C		

386556

Mfrs. List No.	Order Code	1+	5+	10+	25+
THB.404.A2A+THB.404.B2A	120-6600●	11.16	9.63	9.03	8.61

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●	16.00	14.95	14.01	12.93

Free end to chassis cable connector

5 Pole



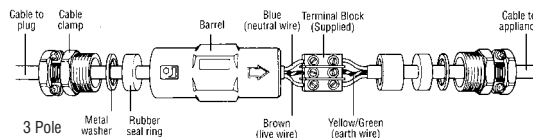
- Cable diameter of 5mm to 14mm
- Supplied as complete kit
- Conforms to **CE** requirements and **IMQ** **NEMKO** approvals

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

496414

Mfrs. List No.	Order Code	1+	5+	10+	25+
THR.406.S5A	152-1776●	14.51	13.53	12.69	11.72

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	2.5	SK-2-2500	117-9969
3	400	120 28	6 15	2.5	SK-3-2500	117-9968
5	400	150 35	10 19	2.5	SK-5-2500	117-9970

Housing Black Temperature range -20°C to +66°C

208997

Order Code	1+	5+	10+	25+	50+
117-9969●	10.19	9.55	8.34	7.32	7.00
117-9968●	13.20	12.40	10.88	9.47	9.06
117-9970●	15.63	14.68	12.84	11.24	10.74

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
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208988

Supplied as a Plug and Socket Pair

	Order Code	1+	10+	Price Each 50+ 100+ 500+ 1K+
3 pin white	313-520	3.41	3.11	2.71 2.52 2.23 1.98
3 pin black	313-531	3.41	3.11	2.71 2.52 2.23 1.98

Mains Test Connectors

'Quicktest'



H=49, W=60, D=127, Fixing=2 x M4

- 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. (15A fuse supplied)
Cable	rated 5A, Black
Plug Fuse	5A supplied
Mfrs. List No:	CL1850 = 658-716 CL1855 = 658-728

219764

	Order Code	1+	10+	25+	100+
Quicktest	658-716●	16.79	15.12	14.69	14.55
Quicktest with 1.5m lead	658-728●	33.19	29.93	29.09	28.80

Industrial BS4343



Features:

- Colour coded system for voltage identification: -110/130V - yellow, 220/250V - blue, 380/415V - red
- Keyway coded for non-interchangeable between voltages
- Tough polycarbonate body
- Pin and sleeve carriers made from polyamide which offers excellent anti-tracking (insulating) properties
- Suitable for 50/60Hz operation
- IP44/IP67 ratings
- Conforms to BS4343 1992/BS EN60309-2 CEE17 IEC309

209102

Free Plug Straight



528-080 528-122 528-158

Common features:

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

	528-080	528-110	528-122	528-134
L	95	95	109	113
Ø	58	58	66	78
L	111	111		
Ø	65	65		

209103

Contact Rating	I.P. Rating	Mfrs. List No.	Order Code	1+	Price Each	5+	10+
110/130Vac	Yellow	3 Pin 2 Pole + Earth					
16A	IP44	K9000YEL	528-080	4.16	4.00	3.87	
220/250Vac	Blue	3 Pin 2 Pole + Earth					
16A	IP44	K9001BLU	528-110	4.67	4.47	4.35	
16A	IP67	9024BLU	528-122	11.39	10.93	10.58	
32A	IP44	9033BLU	528-134	8.38	8.04	7.79	
380/415Vac	Red	4 Pin 3 Pole + Earth					
16A	IP44	9007RED	528-158	5.53	5.29	5.14	
380/415Vac	Red	5 Pin 4 Pole + Neutral + Earth					
16A	IP44	9015RED	528-160	9.06	7.46	7.22	

Free Sockets Straight



Common features:

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

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

209104

Contact Rating	I.P. Rating	Mfrs. List No.	Order Code	1+	Price Each	5+	10+
110/130Vac	Yellow	3 Pin 2 Pole + Earth					
16A	IP44	K9100YEL	427-9402	6.06	5.93	5.76	
220/250Vac	Blue	3 Pin 2 Pole + Earth					
16A	IP44	K9101BLU	427-9414	6.52	6.38	6.17	
32A	IP44	K9133BLU	427-9426	11.05	10.81	10.45	

Technical information at your fingertips

Over 352,000 technical datasheets available online.

Visit www.farnell.co.uk and look for the Tech Info heading in your search results.

Surface Socket Outlet, Angled

IP67528-262
H=120, W=80, D=130IP44528-250
H=115, W=64, D=80

Common features:

- Spring loaded covers to protect contacts when not in use.
- Top or bottom conduit entries 20 or 25mm on IP67 units and 20mm on IP44 units.

209105

Contact Rating	I.P. Rating	Mfrs. List No.	Order Code	1+	Price Each	5+	10+
220/250Vac	Blue	3 Pin 2 Pole + Earth					
16A	IP44	9201BLU	528-250‡	7.91	7.44	7.20	

‡Subject to design change

Appliance Inlet Angled



Common features:

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

H=107, W=64, D=67

CM302V

Contact Rating	I.P. Rating	Mfrs. List No.	Order Code	1+	Price Each	5+	10+
220/250Vac	Blue	3 Pin 2 Pole + Earth					
16A	IP44	K9701BLU	528-316‡	10.59	9.46	8.69	

‡Subject to design change

2 Pin + Earth, Panel and Surface Sockets

CEE NORM U.K. LTD.

H=62, W=62, D=65
Depth behind panel=22
Fixing centres=47H=103, W=64, D=117
Conduit entry=20 dia

- Suitable for use with free plug of the same colour housing
- Complies with BS4343/CEE17
- Spring return splash proof cover, latches with mating plugs
- IP44 rated

Contact rating 16A@ voltages shown below

Housing High impact resistant nylon shroud
Contacts Solid Brass

209124

Body Colour	Mfrs. List No.	Order Code	1+	Price Each	10+	50+	100+
110/130Vac	Yellow	601310	121-2780●	4.32	3.90	3.54	3.13
220/240Vac	Blue	601311	121-2781●	4.32	3.90	3.54	3.13
220/240Vac	Blue	611304	121-2784●	5.62	5.06	4.52	3.79

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. All so moveable for ease of wiring



Industrial BS4343 - continued

Industrial Connectors from - continued

- 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, IP44

Straight



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

Voltage & Amps	Number of Poles	Mfrs. List No.	Order Code	Price Each			
				1+	5+	10+	25+
110V, 16A	2P+E	210304	723-2100●	3.31	3.05	2.87	2.70
230V, 16A	2P+E	210306	843-623●	3.19	2.94	2.78	2.62
400V, 16A	3P+E	210406	723-2111●	5.02	4.60	4.35	4.10
400V, 16A	3P+N+E	210	843-520●	6.65	6.51	6.20	5.92
110V, 32A	2P+E	230304	715-9523●	8.48	8.38	8.16	7.96
230V, 32A	2P+E	230306	716-0458●	8.76	8.67	8.39	8.18
400V, 32A	3P+E	230406	716-1323●	8.64	8.44	8.08	7.79
400V, 32A	3P+N+E	230	716-1785●	9.09	8.96	8.65	8.42

Phase-Changeover Plug

Two of the phase-Pins are mounted on an insulated base which can be quickly and easily rotated to change motor direction thereby avoiding the time consuming necessity to re-wire the plug.

213789

Phase Changer	Poles	Mfrs. List No.	Order Code	Price Each			
				1+	5+	10+	25+
400V, 16A	3P+N+E	210PH	843-660●	20.38	18.73	17.66	16.64

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	Mfrs. List No.	Order Code	Price Each			
				1+	5+	10+	25+
110V, 16A	2P+E	219304	723-2123●	11.97	11.00	10.37	9.77
240V, 16A	2P+E	219306	723-2135●	9.96	9.15	8.62	8.12
415V, 16A	3P+E	219406	723-2147●	14.23	13.06	12.35	11.60
415V, 16A	3P+N+E	219	723-2159●	15.62	14.35	13.55	12.75
240V, 32A	2P+E	239306	723-2172●	15.27	14.04	13.25	12.47
415V, 32A	3P+E	239406	723-2184●	19.48	17.86	16.89	15.87
415V, 32A	3P+N+E	239	723-2196●	19.98	18.34	17.34	16.32
230V, 63A	2P+E	269306	716-2674●	29.30	29.14	28.48	27.91
400V, 63A	3P+E	269406	716-6345●	26.33	26.20	25.61	25.13
400V, 63A	3P+N+E	269	716-6527●	27.83	27.69	27.09	26.55
400V, 125A	3P+N+E	279	716-6758●	97.04	96.58	94.46	92.63

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	Mfrs. List No.	Order Code	Price Each			
				1+	5+	10+	25+
110V, 16A	2P+E	310304	723-2202●	5.54	5.08	4.81	4.52
230V, 16A	2P+E	310306	843-647●	5.84	5.35	5.07	4.75
400V, 16A	3P+E	310406	723-2214●	8.50	7.79	7.36	6.95
400V, 16A	3P+N+E	310	843-532●	9.28	9.08	8.68	8.27
110V, 32A	2P+E	330304	716-0082●	10.58	10.48	10.18	9.94
230V, 32A	2P+E	330306	716-0630●	10.76	10.64	10.33	10.10
400V, 32A	3P+E	330406	716-1440●	11.82	11.70	11.36	11.06
400V, 32A	3P+N+E	330	716-2066●	12.13	11.96	11.61	11.27

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	Mfrs. List No.	Order Code	Price Each			
				1+	5+	10+	25+
240V, 16A	2P+E	319306	723-2238●	12.88	11.82	11.15	10.49
415V, 16A	3P+N+E	319	723-2251●	18.55	17.02	16.06	15.11
240V, 32A	2P+E	339306	723-2275●	16.42	15.07	14.25	13.57
415V, 32A	3P+N+E	339	723-2299●	24.87	22.84	21.59	20.29
230V, 63A	2P+E	369306	716-6321●	34.34	34.08	33.26	32.55
400V, 63A	3P+E	369406	718-4001●	34.43	34.20	33.39	32.73
400V, 63A	3P+N+E	369	716-6588●	37.55	37.26	36.34	35.55
400V, 125A	3P+N+E	379	716-6801●	118.86	118.31	115.70	113.49

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	Mfrs. List No.	Order Code	Price Each			
				1+	5+	10+	25+
Plug	110V	210304CL	723-2305●	3.51	3.22	3.06	2.88
Coupler	110V	310304CL	723-2317●	5.39	4.98	4.69	4.41
Plug	230V	210306CL	723-2329●	3.51	3.22	3.06	2.88
Coupler	230V	310306CL	723-2330●	5.39	4.98	4.69	4.41

Surface Sockets, IP44

Top Entry



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

213795

Voltage & Amps	Poles	Mfrs. List No.	Order Code	Price Each			
				1+	5+	10+	25+
110V, 16A	2P+E	110304	723-2366●	7.47	6.89	6.45	6.08
230V, 16A	2P+E	110306	723-2378●	7.47	6.89	6.45	6.08
400V, 16A	3P+E	110406	723-2380●	8.82	8.09	7.66	7.21
400V, 16A	3P+N+E	110	723-2391●	9.76	8.97	8.46	7.97
110V, 32A	2P+E	130304	716-0343●	11.36	11.21	10.90	10.62
230V, 32A	2P+E	130306	716-1256●	11.36	11.21	10.90	10.62
400V, 32A	3P+E	130406	716-1610●	12.75	12.62	12.27	11.96
400V, 32A	3P+N+E	130	718-3227●	13.30	13.17	12.82	12.51

Over 480,000 products online



Surface Sockets, IP67

Top and Bottom Entry



- Conduit entry PG16/21 on 16 and 32 amp, PG29 on 63 amp, PG36/42 on 125 amp

213796

Voltage & Amps	Poles	Mfrs. List No.	Order Code	1+	5+	10+	25+
110V, 16A	2P+E	119304	723-2408●	17.14	15.72	14.86	13.98
240V, 16A	2P+E	119306	723-2410●	17.14	15.72	14.86	13.98
415V, 16A	3P+E	119406	723-2421●	20.93	19.23	18.14	17.08
415V, 16A	3P+N+E	119	723-2433●	23.79	21.85	20.63	19.67
230V, 63A	2P+E	169306	723-2482●	39.93	36.67	34.61	32.57
400V, 63A	3P+N+E	169	716-6606●	40.03	39.81	38.90	38.11

Panel/Chassis Sockets

IP44



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

213797

Voltage & Amps	Poles	Mfrs. List No.	Order Code	1+	5+	10+	25+
110V, 16A	2P+E	410304	723-2500●	5.58	5.14	4.84	4.56
230V, 16A	2P+E	410306	723-2512●	5.58	5.14	4.84	4.56
400V, 16A	3P+E	410406	723-2524●	9.18	8.43	7.96	7.51
400V, 16A	3P+N+E	410	843-570●	12.53	11.50	10.86	10.23
110V, 32A	2P+E	430304	716-0203●	9.92	9.81	9.51	9.29
230V, 32A	2P+E	430306	716-1128●	10.63	10.51	10.21	9.93
400V, 32A	3P+E	430406	716-1505●	10.69	10.57	10.28	10.03
400V, 32A	3P+N+E	430	716-2390●	13.09	12.95	12.60	12.28

Double Outlets, IP44

2P+E



213798

Voltage & Amps	Mfrs. List No.	Order Code	1+	5+	10+	25+
110V, 16A	100102134U	723-2536●	27.88	25.60	24.18	22.76
230V, 16A	100102136U	723-2548●	27.88	25.60	24.18	22.76

Surface Appliance Inlets, IP44

Top Entry



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

213799



Voltage & Amps	Poles	Mfrs. List No.	Order Code	1+	5+	10+	25+
110V, 16A	2P+E	610304	723-2573●	9.21	8.46	7.99	7.52
230V, 16A	2P+E	610306	723-2585●	9.21	8.46	7.99	7.52
400V, 16A	3P+E	610406	723-2597●	9.92	9.13	8.61	8.10
400V, 16A	3P+N+E	610	723-2603●	11.76	10.82	10.21	9.60
110V, 32A	2P+E	630304	723-2615●	13.69	12.59	11.90	11.18
230V, 32A	2P+E	630306	723-2627●	13.69	12.59	11.90	11.18
400V, 32A	3P+E	630406	723-2639●	13.69	12.59	11.90	11.18
400V, 32A	3P+N+E	630	723-2640●	14.80	13.59	12.86	12.11

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	Mfrs. List No.	Order Code	1+	5+	10+	25+
Plug	215306SW	410-9673●	4.05	3.60	3.24	2.61
Coupler	315306SW	410-9685●	6.38	5.82	4.98	4.24
Panel Socket	410306SW	410-9697●	6.83	6.16	5.33	4.24

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

	Poles	Mfrs. List No.	Order Code	1+	5+	10+	25+
Free Plug	2	10280	723-2652●	9.50	8.72	8.26	7.77
Free Plug	3	10290	723-2664●	10.96	10.07	9.50	8.94
Free Socket	2	10380	723-2676●	9.59	8.81	8.32	7.83
Free Socket	3	10390	723-2688●	12.36	11.35	10.70	10.08
Surface Socket	2	10110	723-2690●	13.14	12.08	11.40	10.73
Surface Socket	3	10150	723-2706●	13.44	12.34	11.68	10.97
Panel Socket	2	10400	723-2718●	9.83	9.02	8.54	8.04
Panel Socket	3	10440	723-2720●	10.77	9.89	9.34	8.79

Switched Interlocked Sockets

IP44 and IP67



- Supplied complete with PG - Metric adaptors where applicable
- Fully interlocked cannot be switched 'On' until correct plug is fully inserted
- Plug cannot be removed until the switch is in the 'Off' position
- Padlockable

213801

Voltage & Amps	Poles	Mfrs. List No.	Order Code	1+	5+	10+	25+
IP44							
230V, 16A	2P+E	5312316	723-2743●	66.28	60.88	57.50	54.11
400V, 16A	3P+E	5312416	718-3367●	82.21	81.42	79.29	77.44
400V, 16A	3P+N+E	5312516	718-3392●	85.24	84.69	82.69	80.98
230V, 32A	2P+E	5312336	718-3586●	61.71	61.38	60.33	58.90
400V, 32A	3P+E	5312436	718-3598●	105.83	105.01	102.45	100.23
400V, 32A	3P+N+E	5312536	718-3604●	101.60	101.01	98.70	96.71
IP67							
110V, 16A	2P+E	5313314	723-2767●	82.48	75.73	71.51	67.31
230V, 16A	2P+E	5313316	723-2779●	91.64	84.14	79.46	74.78
400V, 16A	3P+E	5313416	723-2780●	94.84	87.08	82.24	77.40

Industrial BS4343 - continued

Switched Interlocked Sockets - continued

IP44 and IP67 - continued

Voltage & Amps	Poles	Mfrs. List No.	Order Code	1+	5+	10+	25+
IP67							
400V,16A	3P+N+E	5313516	723-2792 ●	98.46	90.40	85.37	80.35
230V,32A	2P+E	5313336	723-2809 ●	104.42	95.87	90.53	85.23
400V,32A	3P+E	5313436	723-2810 ●	109.14	100.19	94.63	89.07
400V,32A	3P+N+E	5313536	723-2822 ●	112.91	103.65	97.87	92.13
IP67							
400V,63A	3P+E	5313466	716-6515 ●	178.04	177.03	172.97	169.47
400V,63A	3P+N+E	5313566	716-6618 ●	174.73	173.86	169.96	166.62

Switched and Double Interlocked Protected Sockets

16A



- Supplied complete with P.G. Metric adaptors where applicable
- Fully interlockable: cannot be switched 'On' until correct plug is fully inserted
- Plug cannot be removed until plug is in 'OFF' position
- Padlockable
- Supplied complete with relevant 30MA rated R.C.D
- Expansion space available for additional Din-Rail mounted components. M.C.B. etc. if required

walther

213802

Voltage & Amps	Poles	Mfrs. List No.	Order Code	1+	5+	10+	25+
230V,16A	2P+E	6303316R	723-2860	160.01	150.70	142.41	134.99
400V,16A	3P+E	6303416R	723-2871	190.98	175.33	165.58	155.84
400V,16A	3P+N+E	6303516R	723-2883	200.07	183.69	173.49	163.25
230V,32A	2P+E	6303336R	723-2895	188.38	172.94	163.33	153.74
400V,32A	3P+E	6303436R	723-2901	209.19	192.04	181.37	170.69
400V,63A	3P+N+E	6303566R	723-2949	304.41	279.48	263.94	248.41

Wall mounted Combination Units
RCD, Non-Switched

- Supplied with 30mA/40ms rated R.C.D.
- Expansion space available for Din-Rail mounted components MCB's etc. as required

walther

213803

Amps	Outlets	IP Rating	Mfrs. List No.	Order Code	1+	5+	10+	25+
230V,2P+E								
16	Double	44	6222316R1	723-2962	115.76	106.29	100.38	94.46
400V,3P+N+E								
16	Single	44	6512516R	723-3036	132.95	122.03	115.26	108.50
32	Single	44	6512536R	723-3048	140.56	129.03	121.88	114.71

3 Way Long Plastic Box
IP44

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

walther

213805

Voltage	Mfrs. List No.	Order Code	1+	5+	10+	25+
110V	6532314P2	723-3085 ●	87.48	80.32	75.86	71.40
230V	6532316P2	723-3097 ●	80.93	74.31	70.17	66.05
110V+ 25A, 2P, RCD	6532314P2R	723-3103	192.07	176.34	166.55	158.71
230V+ 25A, 2P, RCD	6532316PR	723-3115	177.81	163.25	154.18	146.93

Quick Connect - BS4343

Quick Connect System

Quick Connect
CEE Norm U.K. Ltd

Step 1 - Insert Cable



Step 2 - Strip Cable



Step 3 - "Click" bared wires into terminals



Step 4 - Twist and lock connector body

An innovative new range of Industrial Plugs and Sockets from Ceenorm. Quick-Connect defines a new standard of time saving screwless connection design. Quick-Connect provides:

Connecting with Quick Connect is a simple 4 Step operation

- Screwdriver free connection
- Maintenance free
- Approval to BS4343 IEC309
- Colour coded voltage identification
- Corrosion protected terminals
- Shock and vibration resistant
- 50% faster termination than screwed alternatives

232807

16A, 110V 2P+Earth
Quick ConnectQuick Connect
CEE Norm U.K. Ltd

232757

Description	Mfrs. List No.	Order Code	1+	10+	25+	50+
Plug	6210100	121-2785 ●	3.37	2.93	2.49	2.09
Connector	631886	121-2786 ●	3.05	2.49	2.11	1.77

16A, 240V 2P+Earth
Quick ConnectQuick Connect
CEE Norm U.K. Ltd

232774

Description	Mfrs. List No.	Order Code	1+	10+	25+	50+
Plug	6210094	121-2787 ●	3.37	2.93	2.49	2.09
Connector	631880	121-2788 ●	5.14	4.19	3.56	2.99
Panel Socket	613668	121-2789 ●	4.91	4.28	3.61	3.05
Surface Socket	611895	121-2790 ●	7.54	6.92	6.11	5.23

16A, 415V 3P+Earth
Quick ConnectQuick Connect
CEE Norm U.K. Ltd

232775

Description	Mfrs. List No.	Order Code	1+	10+	25+	50+
Plug	210095	121-2791 ●	7.14	5.83	4.95	4.26
Connector	631881	121-2792 ●	8.97	7.33	6.22	5.34
Surface Socket	611905	121-2793 ●	9.14	7.46	6.35	5.45

16A, 415V 3P+N+Earth
Quick ConnectQuick Connect
CEE Norm U.K. Ltd

232776

Description	Mfrs. List No.	Order Code	1+	10+	25+	50+
Plug	212001	121-2794 ●	7.67	6.24	5.30	4.56
Connector	312001	121-2796 ●	9.66	7.88	6.71	5.76
Surface Socket	112001	121-2797 ●	10.30	8.39	7.13	6.13

32A, 240V 2P+Earth

Quick Connect

Quick
Connect
CEE Norm U.K. Ltd

232778

Description	Mfrs. List No.	Order Code	Price Each			
			1+	10+	25+	50+
Plug	210096	121-2798●	9.39	8.14	6.51	5.59
Connector	31882	121-2799●	10.75	9.33	7.45	6.41
Panel Socket	13703	121-2800●	10.62	9.22	7.37	6.33
Surface Socket	11949	121-2802●	11.31	9.84	8.82	7.85

32A, 415V 3P+N+Earth

Quick Connect

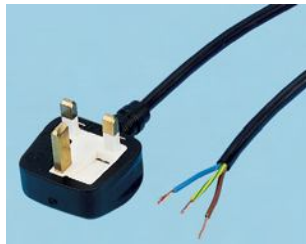
Quick
Connect
CEE Norm U.K. Ltd

232780

Description	Mfrs. List No.	Order Code	Price Each			
			1+	10+	25+	50+
Plug	212002	121-2805●	10.17	8.82	7.05	6.08
Connector	312002	121-2806●	13.03	11.29	9.04	7.76
Surface Socket	11962	121-2807●	16.23	14.08	12.37	10.64

Mains Leads**13A 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

	Order Code	1+	10+	Price Each				
5A white 2m	112-4370●	4.01	3.71	3.65	3.47	2.93	500+	2.75
5A black 2m	112-4371●	4.18	3.87	3.80	3.62	3.48		3.35
5A black 3m	112-4397●	5.12	4.83	4.32	3.79	3.64		3.37
13A white 2m	112-4372●	4.70	4.30	4.22	4.04	3.85		3.71
13A black 2m	112-4373●	4.70	4.30	4.22	4.04	3.85		3.71
13A black 3m	112-4398●	5.93	5.67	5.06	4.41	4.29		4.05

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=51
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

Order Code			Price Each			
			1+	25+	50+	100+
112-4388●	5.54	5.19	4.28	3.87	3.63	3.38

Figure 8 Connector to UK Plug

multicomp



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

232594

Length	Order Code		Price Each			
			1+	25+	50+	100+
2m	152-2217●		1.02	1.01	0.92	0.88

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, CEPEC, NEMKO, DEMKO, SEMKO, SETI, 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.

Mfrs. List No. X-285626A = 112-4382, X-152576A = 112-4374, X-285626A = 112-4382,
X-285638A = 112-4383, X-439307A = 112-4399, X-439319A = 112-4400

219734

Colour	Order Code	Price Each					
		1+	25+	50+	100+	500+	1K+
Straight							
White 2m	112-4374●	6.45	6.06	5.89	5.67	5.55	3.85
Black 2m	119-6440●	6.91	6.11	5.68	4.49	3.74	3.54
Grey 2m	112-4382●	6.67	6.31	6.11	5.68	5.37	4.33
Black 3m	112-4399●	7.93	7.37	6.58	5.76	5.55	5.09
White 3m	112-4400●	7.93	7.37	6.58	5.76	5.55	5.09
Right Angle							
Black 2m	112-4383●	6.67	6.32	6.11	5.34	4.79	4.22

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

Order Code			Price Each			
			1+	25+	50+	100+
112-4387●	7.04	6.44	5.73	5.24	4.95	4.38

IEC Socket to Bared Ends, 2/2.5m

multicomp



Mains Leads - continued

IEC Socket to Bared Ends, 2/2.5m - continued

- 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	1+	50+	Price Each			
					100+	250+	500+	1K+
Straight								
Black	2m	131-8717●	3.34	3.14	2.95	2.59	2.00	1.57
Black	2.5m	131-8719●	3.67	3.50	3.28	2.79	2.00	1.71
Right Angle								
Black	2m	131-8721●	3.64	3.16	2.91	2.22	1.93	1.55
Black	2.5m	131-8722●	3.97	3.73	3.16	2.45	2.10	1.67

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

Current rating		10A @ 250V ac		Cable and connector housings		Black PVC Phosphor Bronze	
Mfrs. List No.		X-152578A X-285651A		= 112-4378, = 112-4385,		X-285614A = 112-4381	

209196

Colour	Order Code	1+	50+	Price Each			
				100+	250+	500+	1K+
Straight							
Black	112-4378 ●	5.31	4.57	3.90	3.26	3.13	2.89
Grey	112-4385 ●	4.28	3.70	3.14	2.65	2.52	2.34
Right Angle							
Black	112-4381 ●	5.59	4.84	4.16	3.47	3.30	3.08

16

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
Max. temperature 120°C Housing Black glass filled polypropylene
Contacts Phosphor Bronze
Cable Black rubber H05RR-F 3 Core, 10A

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

209070

Order Code	Price Each					
	1+	25+	50+	100+	250+	500+
112-4396●	6.08	5.25	4.30	3.53	3.28	2.92

Type 2.5A Class 1
Lead 2M

Current rating 2.5A
Voltage 250Vac
Insulation resistance 100MΩ 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 ●	2.86	2.51	2.29

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
Current rating 2.5A
Insulation resistance >10MΩ

Body Terminals PVC
Brass, Tin Plated

209289

Description	Mfrs. List No.	Order Code	Price Each					
			1+	25+	50+	100+	250+	500+
UK Plug	X-3076374A	112-4391●	5.86	5.68	5.32	4.53	4.20	3.90
European Plug	X-3076386A	112-4392●	4.34	4.21	3.94	3.35	2.99	2.75

UK Plug to 2 x IEC Sockets
Y Power Lead

- Ideal for use with computers where it will allow the monitor and base unit to be powered by a single mains connection
- Lead is 2m to the 'Y' junction, with 500mm arms
- 10A Rated

232597

Colour	Order Code	Price Each			
		1+	25+	50+	100+
Black	128-3810 ●	2.79	2.65	2.54	2.47

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+	100+
0.5m	128-6428	0.82	0.78	0.73	--
1m	121-1417 ●	0.80	0.71	0.61	0.53
3m	128-6429	1.50	1.39	1.31	--
5m	128-6430	3.14	2.94	2.75	--

Extension Lead, 2m



- High quality non-rewireable extension lead, meets European standard **BS4491.EN60.320**
- Two metres of 1.00mm² cable approved to **BASEC BS6500**
- 10A socket approved to **VDE, SEV**

Socket length=65, Plug length=77
Cable length=2m Diameter=6.9-7.2

Current rating 10A @ 250V ac
Cable and connector housings Black PVC Male contacts Brass
Female contacts Phosphor Bronze

209217

Price Each						
Order Code	1 +	25 +	50 +	100 +	250 +	500 +
112-4375●	6.60	6.14	5.83	5.05	4.70	4.28

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

Order Code	1+	50+	100+	250+	500+
131-8723●	3.78	3.48	3.23	3.03	2.88

IEC Plug to Bared Ends, 2m
Right Angle

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

209131

Order Code	1+	50+	100+	250+	500+
139-4659●	3.80	3.50	3.24	3.04	2.90

International Mains Leads

Europe, 'Schuko', 2.5m



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

- 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	1+	25+	50+	100+	250+	500+
IEC socket	112-4379●	5.75	5.22	4.91	4.60	4.49	4.13
Bared ends	112-4386●	4.49	4.12	3.88	3.51	3.34	3.08

Series 1352 and 1360



1352/1.5m SW

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

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

Mfrs. List No. Length (m) Lead

1352/1.5m SW 1.5 H05W-F3G1 PVC insulated

1352/3m SW 3.0 H05W-F3G1 PVC insulated

1360/3m SW 3.0 H05RR-F3G1 Vulcanised plastic

232428

Mfrs. List No.	Order Code	1+	10+	50+	100+
1352/1.5m SW	128-9425●	4.89	4.36	3.60	3.13
1352/3m SW	128-9426●	6.30	5.60	4.65	4.09
1360/3m SW	128-9427●	9.30	8.32	6.92	6.07

Coming soon



Register your interest for items that are 'Coming Soon' at www.farnell.co.uk and we'll email you to let you know that they're in stock.

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	1+	5+	10+	50+
Hot	400-2416	2.34	2.24	2.15	2.08

Extension Leads



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

239113

Mfrs. List No.	Length	Order Code	Price Each 1+
White			
56836.00.001.01	3m	361-8328	4.07
56836.00.001.01	5m	361-8330	5.90
56836.00.001.01	10m	361-8341	9.97
Black			
56836.00.001.01	3m	361-8353	4.18
56836.00.001.01	5m	361-8365	5.90
56836.00.001.01	10m	361-8377	9.97

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

Mfrs. List No.	Length (m)	Order Code	1+	10+	50+	100+
1055/2m WS	2	120-7928	4.75	4.24	3.55	3.10
1067/3m WS	3	128-9434●	6.50	5.80	4.81	4.23
1067/5m WS	5	826-716	8.78	7.81	6.50	5.70

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

Mfrs. List No.	Length (m)	Colour	Order Code	1+	10+	50+	100+
1550	2	Black	841-614	3.11	2.89	2.64	—
1550	2	Grey	128-9437●	2.87	2.64	2.42	2.08

Troubleshooting tips



Chat live online to one of our technical engineers at www.farnell.co.uk



International Mains Leads - continued

Series 1034

Mains plug to **DIN49464F, CEE7/XVI** with flat sheath cable to bared ends

Load capacity: 2.5A/250V Cable: H03VVH2-F2X0.75

STEL070/239320

Mfrs. List No.	Length (m)	Colour	Order Code	Price Each			
				1+	10+	50+	100+
1034	1.5	White	128-9438 ●	2.18	1.82	1.58	1.40
1034	2	White	128-9439 ●	2.48	2.12	1.85	1.58
1034	1.5	Black	848-580	2.61	2.17	1.90	1.68

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	2.60	2.33	2.11	1.87
1650	3	White	826-698	3.09	2.74	2.47	2.21
1650	2	Black	826-832	2.67	2.39	2.17	1.92
1650	3	Black	128-9435 ●	2.99	2.65	2.39	2.14

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+
112-4404 ●	8.04	6.79	5.62	4.66
			4.26	3.83

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+
112-4403 ●	8.32	7.05	5.83	4.82
			4.42	3.96

Denmark, 2.5m

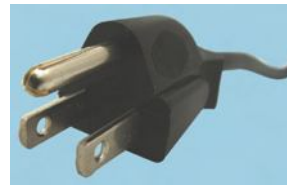


- Non-rewireable lead for use in Denmark
- Plug complies with Danish standard **SRAF1962**
- 2.5 metres of 1.00mm² cable

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

209112

Order Code	Price Each				
	1+	25+	50+	100+	250+
112-4401 ●	9.44	7.96	6.61	5.44	5.05
					4.50

American Plug to Bared Ends
Lead 2MCurrent rating 2.5A
Voltage 250Vac
Insulation resistance 100MΩ at 500Vdc
Dielectric strength 2000Vac 1 minute
Body material PBT 94V-0

494585

Style	Lead Length	Order Code	Price Each		
			1+	50+	100+
American Plug	2M	151-6062 ●	2.97	2.64	2.40

North America, 2m



Cable length = 2m, Diameter = 6.6mm - 6.9mm

- 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

Current rating 10A @ 125V
Cable and Connector housings Black PVC
Plug contacts Socket Contacts Brass, Nickel plated Phosphor Bronze

219690

Order Code	Price Each			
	1+	25+	50+	100+
Plug to IEC Socket 112-4380 ●	6.17	5.86	5.69	5.45
Plug to Bare Ends 112-4393 ●	4.95	4.72	4.58	4.36
			4.29	3.90

Australia, 2.5m



Cable length=2.5m, Diameter=6.9-7.2

Mfrs. List No. X-428796A = 1124394

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 **NEM-KO, NF-USE, DEMKO, CEBEC, BSI, IMQ, VDE, SEV, KEMA-KEUR, FI, OVE, and SEMKO**.Current rating 10A @ 250V
Cable and Connector housings Black PVC
Plug contacts Socket Contacts Brass Phosphor Bronze

209073

Order Code	Price Each			
	1+	25+	50+	100+
112-4394 ●	8.07	6.85	5.69	4.68
			4.35	3.94

IEC Free Sockets

IEC Socket
Class I

1516052



1516053



1516054



1516055

Current rating 2.5A
Voltage 250Vac
Insulation resistance 100MΩ at 500Vdc
Dielectric strength Body material 2000Vac 1 minute
PBT 94V-0

494552

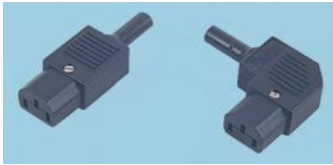
Style	Order Code	Price Each		
		1+	50+	100+
Free	151-6052 ●	1.37	1.31	1.20
Side Entry Free	151-6053 ●	1.44	1.37	1.26
R/A Free	151-6054 ●	1.44	1.37	1.26
Socket, Free Hot	151-6055 ●	1.44	1.31	1.20



40,000 PRICES REDUCED

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●	2.11	1.93	1.86	1.76
Right angle	117-2510●	2.05	1.88	1.80	1.71
White					
Straight	117-2511●	2.06	1.91	1.84	1.76
Right angle	117-2512●	2.02	1.87	1.80	1.72

Rewireable Free Sockets



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

H=21, W=70
(inc sleeve) D=51.25

- 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 = 112-5811 4781.01 = 112-5804 4784.01 = 112-5805		

219732

	Order Code	1+	10+	50+	100+	250+	500+
Straight	112-5810●	2.62	2.40	2.18	1.91	1.81	1.60
Right Angle	112-5811●	2.89	2.66	2.44	2.11	2.03	1.75
Straight Hot Condition	112-5804●	3.27	2.96	2.67	2.34	2.20	1.95
Right Angled Hot Condition	112-5805●	3.27	2.96	2.67	2.34	2.20	1.95

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●	2.57	2.34	2.23	2.14	2.06

Rewireable Free Socket 16A



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

Current rating 16A
Voltage 250Vac

219744



Mfrs. List No.	Order Code	1+	50+	100+
4795.0000...	117-0114●	5.49	5.08	4.44

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 100Mohm
Housing Nylon 66, UL94V-0

236523

Mfrs. List No.	Order Code	1+	50+	100+	250+
JR-201S	952-1658●	0.86	0.66	0.58	0.52

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 2.5 @ 250V ac
Withstand voltage 2000VAC@min
Insulation resistance @500V dc
Housing Nylon 66, UL94V-0

236524

Mfrs. List No.	Order Code	1+	50+	100+
JR-201S (PCB)	924-8161●	1.14	0.74	0.66

'CMF' Power Entry Module



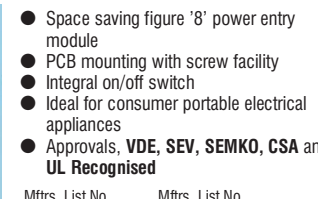
350-6794



350-6782



964-712



- Space saving figure '8' power entry module
- PCB mounting with screw facility
- Integral on/off switch
- Ideal for consumer portable electrical appliances
- Approvals, **VDE, SEV, SEMKO, CSA and UL Recognised**

Mfrs. List No. CMF1.1111.12 = 120-7682
CMF3.1012.12 = 120-7678

Contact rating	2.5A @ 250Vac	Housing Black thermoplastic	UL94V-0
----------------	---------------	-----------------------------	---------

219737

Order Code	1+	10+	50+	100+	250+	500+
120-7682●	4.74	4.30	4.01	3.75	3.64	3.31
120-7678●	2.00	1.89	1.68	1.57	--	--

IEC Inlets

Inlet IEC Class 1



1516049



1516051

Current rating	2.5A	Dielectric strength	2000Vac 1 minute
Voltage	250Vac	Operating Temperature	-25°C to 85°C
Insulation resistance	100MΩ at 500Vdc	Material	Nylon

IEC Inlets - continued

Inlet IEC - continued

Class 1 - continued

494551

Style	Order Code	1+	50+	100+
Screw Mount	151-6049●	0.80	0.74	0.68
PCB	151-6051●	0.74	0.68	0.63

3 Pin

Class I



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

Current rating	2.5V	Dielectric strength	2000Vac 1 minute
Voltage	250Vac	Body material	PBT 94V-0
Insulation resistance	100MΩ at 500Vdc		

219746

Style	Mfrs. List No.	Order Code	1+	50+	100+	250+	500+
Solder Terminals	4791	112-5806●	1.26	1.15	1.11	1.06	0.88
PCB Terminals	4791.01	112-5807●	1.26	1.15	1.11	1.06	0.88

Flange Fixing / Snap Fit



- Panel mount IEC inlet
- Screw or snap in

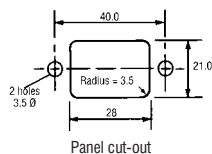
Panel Cut-out	20.0mm x 27.7mm	Panel Thickness - Snap In	Min 0.8mm Max 3.0mm
Frame Size - Screw	50.0mm x 22.0mm	Height above panel - Snap In	3.0mm
Height above panel - Screw	5.7mm	Solder Tags - Snap In	7.3mm x 4.7mm x 0.8mm
Solder Tags - Screw	5.5mm x 4.0mm x 0.8mm		

Current rating:	10A @ 250V ac	Current rating:	10A @ 250V ac
Dielectric strength:	2000V @ 1 Min.	Material:	UL94V-0PBT
Insulation resistance:	100MΩ @ 500 V DC		

236519

Mfrs. List No.	Description	Order Code	1+	50+	100+
JR-101	Screw	952-1631●	0.95	0.86	0.74
JR-101S-G	Snap In	952-1640●	0.90	0.80	0.70

Flange Fixing - Flat Face

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

Contact rating	10A @ 250V	Housing	Black noryl, UL94V-0
Temperature rating	105°C max.	Contacts	Brass, Nickel Plated
		Terminations	6.35mm x 0.8mm

Mfrs. List No. 520-0000-95

219692

5 Per Pack	Order Code	1+	20+	50+	100+	200+
110-1137●		5.35	5.25	5.16	5.05	4.91

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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**

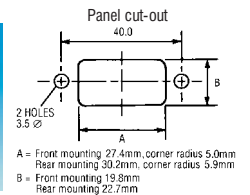
Outlet Panel Cut Out	24.8mm x 32.5mm
Inlet Panel Cut Out	20.0mm x 27.5mm
Contact rating	10A
Voltage rating	250V AC
Insulation resistance	10≥ MΩ
Dielectric strength	Housing
	2000V AC
	Thermoplastic UL94V-0

236890

Mfrs. List No.	Order Code	1+	10+	50+	100+
Outlet - Screw Mounting					
6600.3300	965-7029●	1.50	1.26	1.03	0.86
Inlet - Snap In					
6100.4315	952-3855●	0.96	0.80	0.66	0.57

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

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

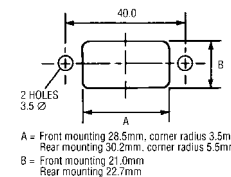
249539

Termination Size	Order Code	1+	50+	100+	250+
Black					
2.8mm	313-737●	1.10	1.01	0.95	0.89
6.35mm	313-749●	1.18	1.09	1.03	0.97
White					
6.35mm	428-5967●	1.19	1.10	1.05	1.00

Flange Fixing



H=24.5, W=49, D=31



Horizontal panel cut-out

- Front or rear panel mounting, manufactured to **BS4491, EN60.320**
- For rear insulation boot Order code 313798

Mfrs. List Nos: 6100.3100 = 113-7743

Contact rating	See below	Housing	Black noryl UL94V-0
Temperature range	-40°C to +65°C	Contacts	Brass, Nickel Plated
		Terminations	Solder tag or fast on

219738

Current Rating	Order Code	1+	50+	100+	250+	500+
Horizontal Flange						
Solder tag 10A	113-7743●	1.13	0.82	0.70	0.62	0.57

Snap Fit



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

- 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**,

Contact rating 10A @ 250Vac
 Temperature range -40°C to +70°C
 Terminations FastOn

Housing Black, glass filled nylon UL94V-0
 Contacts Brass, Nickel Plated

Mfrs. 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●	1.30	0.87	0.69	0.53	0.50
6.35mm	469-658●	1.07	0.94	0.90	0.78	0.62

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



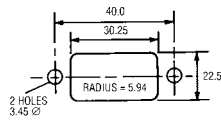
236520

Mfrs. List No	Order Code	1+	50+	100+
JR-101-1	924-8153●	0.95	0.86	0.74

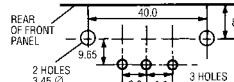
PCB Mounting



Rear views



Panel cut-out



PCB drilling pattern

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
 Temperature range -40°C to +70°C
 Housing Black nylon UL94V-0
 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●	1.01	0.92	0.88	0.84	0.80
With cover	209-259●	1.58	1.44	1.39	1.31	1.27

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 6.3 x 0.8mm

219749

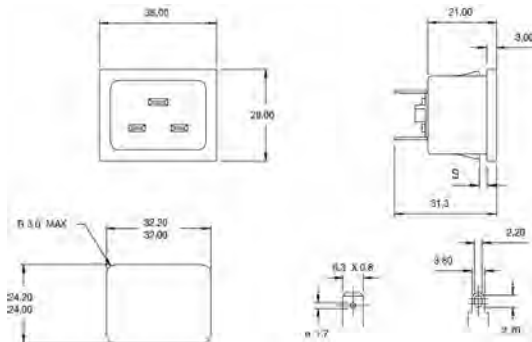
Mfrs. List No	Order Code	1+	50+	100+	250+	500+
4798.9	113-7752●	1.21	1.10	1.06	1.02	0.84

Equipment Plug - Higher Currents

4793 - 16/20A



- Equipment plug - snap in mount
- 6.3 x 0.8mm tabs
- Panel thickness 1.5mm and 2.0mm
- Conforms to IEC/EN60950
- Approvals: **VDE UL CSA**



Specification

Rated Voltage 250V AC
 Rated Current 16A @ 250V AC : VDE
 20A @ 250V AC : UL CSA
 Protection Class Class 1 to IEC 61140
 Housing Mat UL94V-0 Thermoplastic, Black

242517

Panel Thickness	Mfrs. List No.	Order Code	Price Each
1.5mm	4793.4000	117-6788●	1.85
2.0mm	4793.5000	117-6789●	1.93

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-0Nylon 6.6

236521

Mfrs. List No.	Order Code	1+	50+	100+
JR-101-1FS	952-1623●	1.36	1.14	0.98

Fused IEC Inlet



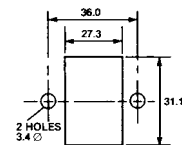
- Solder terminals 7.5mm x 4.7mm x 0.8mm
- Fuse drawer 5x20mm
- Panel cut-out 27mm x 31mm
- Approvals **VDE**
- Contact rating 10A @ 250V ac
- Withstand voltage 2000V @ 1Min
- Insulation resistance 100 MΩ @ 500V dc
- Housing Nylon 66 UL 94V-2
- Operating Temp. -25°C to 85°C

236522

Mfrs. List No.	Order Code	1+	50+	100+	250+
JR-101-1F	952-1615●	1.72	1.36	1.14	0.98

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
 HousingScrew mount Black nylon
 Snap fit Brass
 Terminations 6.35mm x 0.8mm
 Fuseholder 20 x 5mm

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

219750

	Order Code	1+	50+	100+	250+	1K+
Snap Fit	313-877●	1.73	1.54	1.45	1.37	1.16
Flange Fit	145-358●	1.80	1.64	1.57	1.50	1.44



IEC Inlets with Fuse - continued

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°C to +70°C	
Contact resistance	5mΩ	Housing material	Thermoplastic UL94-V0	

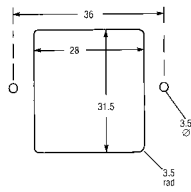
236892

Mfrs. List No.	Terminals	Order Code	1+	10+	50+	100+
6200.2200	4.8 x 0.8	965-7010	2.96	2.05	1.73	1.45

Fused Inlets/Voltage Selector



H=33, W=44, D=33



Panel cut-out

- Combined fuse drawer /voltage selector, with interchangeable voltage selector
- Manufactured in accordance with CEE22 and BS4491

Contact rating	6A @ 250Vac	Terminations	6.35mm x 0.8mm
Housing	Black nylon	Fuseholder	20mm x 5mm
Mfrs. List No:	MS3 CL1927		
	CL19274		

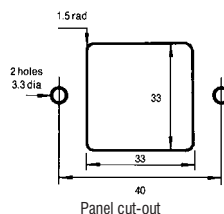
219751

	Order Code	1+	10+	100+	250+	500+
IEC inlet connector	148-246	1.720	1.500	1.150	0.950	0.820
230V/115V fuse drawer	148-248	0.310	0.300	0.260	0.189	0.150
220V/220V fuse drawer	148-249	0.250	0.210	0.184	0.159	0.133

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	20mm x 5mm
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	8.75	8.16	7.78	7.44	7.10	6.79

Power Entry Module

Series 4707

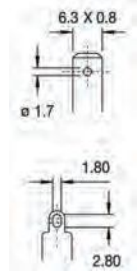
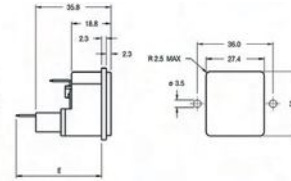
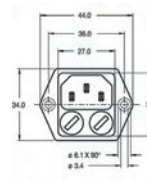


- Panel Mount : Screw on version, Front or rear mounting
- Appliance inlet, Fuse holder takes fuse size 5 x20 mm



Voltage Rating
Current Rating
Terminals
Fuseholder

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

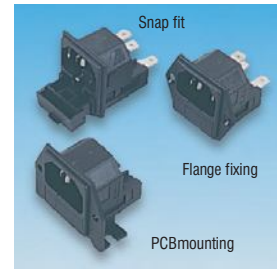


333928

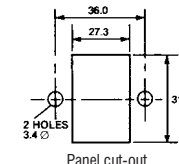
Description	Mfrs. List No.	Order Code	1+	10+	25+	50+
2pol. Quick connect	4707.2000	117-6781	8.77	8.12	7.42	7.04
2pol. Solder joint	4707.2300	117-6782	8.57	7.73	7.06	6.71

Twin Fused Inlets

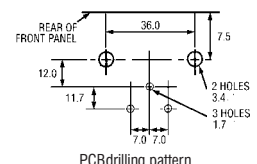
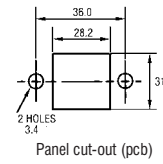
Twin 20 x 5mm Fuse Drawer



- 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



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



Contact rating	10A @ 250Vac fused	Housing	Black glass filled nylon, UL94V-0
Temperature	-20°C to +70°C	Terminations	6.35mm x 0.8mm (except PCB)
Max dissipation per fuse	2.5W	Fuseholder	Twin 20 x 5mm
Mfrs. List No:	PF0033/15/63 = 428-760 PF0030/63 = 428-772		PF0030/PC = 428-784

219699

	Order Code	1+	10+	100+	250+
Snap fit	428-760	2.77	2.56	2.36	2.20
Flange fixing	428-772	2.65	2.44	2.34	2.10
PCB mounting	428-784	3.05	2.67	2.57	1.91

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	Terminals	4.8mm x 0.8mm
Current Rating	10A (ENEC/VDE) 12A (UL/CSA)	Temperature Range	-25°C To +70°C
Description	Height	Width	Depth (Behind panel)
Screw mounting	34	44	32.15
Snap in	34	27.2	35.15
			Panel Cut out
			31.5 x 27.5
			31.5 x 27.5

338295

Description	Mfrs list No.	Order Code	1+	10+	25+
1pole. Screw Mounting	DC11.0001.003	120-7680	5.46	4.94	4.51
1pole. Snap Fit	DC11.0001.203	120-7681	5.30	4.79	4.36

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

494582

Order Code	1+	Price Each	50+	100+
151-6058●	2.91	2.35		1.91

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

494583

Order Code	1+	Price Each	50+	100+
151-6059●	3.27	2.69		2.23

Switched and Fused Inlet 20 x 5mm Fuse Drawer



- 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

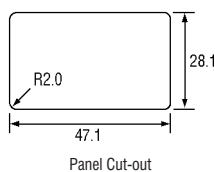
H=65, W=30, D=27.5

Contact rating 6A @ 250Vac
Housing Black nylon
Contacts Fuseholder
Brass 20mm x 5mm

219752

Mfrs. List No.	Order Code	1+	Price Each	50+	200+	500+
L2723/BLACK	313-889●	8.73	7.34	6.43		5.52

Switched and Fused Inlets 20 x 5mm Fuse Draw



Panel Cut-out

- 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)

Mfrs. List No: T0717SBAAA = 964-463

209210

Order Code	1+	50+	Price Each	100+	250+	500+
964-463●	2.99	2.60	2.19		1.89	1.78

Power Entry module KP Series - PCB mount



- AC inlet with 2 pole on/off switch.
- PCB Mount with self tapping screws. (inc)
- 1.5mm to 2.0mm panel thickness
- Panel mount from rear or 'sandwich' mount with split enclosure panels
- Terminal Quick connect, 4.8 x 0.8.
- Protection class 1. Pin temp 70°C
- Approvals, **VDE, CSA, SEMKO** and **UL Recognised**

Contact Rating 10A@250V ac
Contact Resistance 5mΩ
Temperature range -25°C To 70°C
Housing Thermoplastic UL94V-0

Contact Rating 10A@250V ac
Contact Resistance 5mΩ
Dimensions 31.2 X 36.0 X 56.1mm

236587

Mfrs. List No.	Order Code	1+	Price Each	10+	50+	100+
KP01.1152.11	952-3847●	4.83	3.99		3.29	2.83

Appliance Inlet with Switch for PCB mounting DC21



- Screw Mounting from the back
- Power switch illuminated 2 pole 125/250 V
- PCB mounting
- Inrush current for switch up to 100A

Contact rating 10A
Voltage Rating 125V AC at 50Hz
250 V AC at 60Hz
Pin Temperature 70°C

Operating Temperature -25°C to 70°C
Dielectric Strength >1.7 kVDC between L-N
>2.7 kVDC between L/N-PE

Mfrs. List No: DC21.0023.1111 = 151-7974 DC21.0024.1111 = 151-7975

496336

Description	Order Code	1+	Price Each	10+	50+
Green illuminated switch	151-7974●	7.83	7.05		6.43
Red illuminated switch	151-7975●	6.73	6.06		5.73

Appliance inlet with switch and fuseholder for PCB mounting DD21



- Screw mounting from the back
- Power switch illuminated or non-illuminated, 2 pole, 125/250VAC
- PCB mounting
- Inrush current for switch up to 100A
- Fuseholder for 5x20 fuses. 1 or 2 pole

Contact rating 10A for ENEC/VDE
8A for UL/CSA
Voltage Rating 125V AC at 50Hz
250 V AC at 60Hz
Pin Temperature 70°C

Operating Temperature -25°C to 85°C

Dielectric Strength >2.5 kVDC between L-N
>3.0 kVDC between L/N-PEMfrs. List No: DC21.0023.1111 = 151-7974 DD21.0121.1111 = 151-7985
DD21.0111.1111 = 151-7981 DD21.0123.1111 = 151-7986
DD21.0113.1111 = 151-7982 DD21.0124.1111 = 151-7987
DD21.0114.1111 = 151-7984

496339

Description	Fuse Poles	Order Code	1+	Price Each	10+	50+
Non-illuminated switch	1	151-7981●	9.81	8.83		8.33
Illuminated Red	1	151-7982●	11.74	10.56		9.96
Illuminated Green	1	151-7984●	11.74	10.56		9.96
Non-illuminated switch	2	151-7985●	11.18	10.06		9.49
Illuminated Red	2	151-7986●	13.15	11.83		11.17
Illuminated Green	2	151-7987●	13.15	11.83		11.17

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**

£ € 40,000 PRICES REDUCED



IEC Inlets with Switch / Fuse - continued

Switched and Fused 'Polysnap' Combinations - continued

Current rating 10A, 250V Fuseholder 20mm x 5mm 209009

	Mfrs. List No.	Order Code	1+	Price Each	50+	100+	250+
Single Pole, Switched							
Non illuminated	BZH01/Z0000/01	561-228●	3.05	2.81	2.70	2.54	
Red illuminated	BZH01/Z0000/02	999-7229●	3.93	3.62	3.46	3.13	
Double Pole, Switched							
Non illuminated	BZH01/Z0000/10	561-241●	3.72	3.42	3.27	2.96	
Red illuminated	BZH01/Z0000/11	999-7237●	4.39	4.04	3.88	3.47	
Fused Inlet/Outlet	BZH11/Z0000/00	561-265●	3.32	3.06	2.91	2.65	

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

	Mfrs. List No.	Order Code	1+	Price Each	50+	100+	250+
Single Pole							
Non illuminated	BZM27/Z0000/53B	561-162●	2.33	2.07	1.66	1.30	
Red illuminated	BZM27/Z0000/55B	999-7180●	3.50	3.04	2.51	1.94	
Green illuminated	BZM27/Z0000/61B	999-7202●	4.35	3.83	3.12	2.41	
Double Pole							
Non illuminated	BZM27/Z0000/57B	561-186●	3.13	2.74	2.26	1.73	
Red illuminated	BZM27/Z0000/59B	999-7199●	4.24	3.73	3.04	2.35	
Green illuminated	BZM27/Z0000/63B	999-7210●	4.02	3.52	2.90	2.23	

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

	Mfrs. List No.	Order Code	1+	Price Each	50+	100+	250+
Vertical Flange							
SP Non illuminated	BVA01/Z0000/01	313-6152●	3.11	2.89	2.78	2.68	
SP Red illuminated	BVA01/Z0000/02	999-7300●	3.97	3.70	3.53	3.04	
DP Non illuminated	BVA01/Z0000/10	313-6176●	3.87	3.60	3.44	3.30	
DP Red illuminated	BVA01/Z0000/11	999-7318●	4.63	4.31	4.02	3.47	
Horizontal Flange							
SP Non illuminated	BVB01/Z0000/01	313-6190▲	2.91	2.71	2.60	2.44	
SP Red illuminated	BVB01/Z0000/02	999-7326●	4.08	3.81	3.53	3.04	
DP Non illuminated	BVB01/Z0000/10	313-6218▲	3.58	3.31	3.17	2.99	
DP Red illuminated	BVB01/Z0000/11	999-7334●	4.63	4.31	4.02	3.47	

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 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**

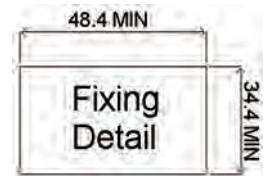
Overall current rating 10A @ 250Vac Housing Terminations Black nylon 6.35 x 0.8mm/2.8 x 0.05mm

Mfrs. List No:	BZ03001	= 151-746	BZV01/Z0000/02	= 999-6915
	BZ01001	= 150-031	BZV03/Z0000/06	= 999-6923
	BZ03004	= 150-032	BZV03/Z0000/09	= 999-6990
	BZ03005	= 151-747		

219753

Switch	Fuse	Neon	Order Code	1+	50+	Price Each	100+	250+	1K+
Style 'A'									
Switched									
SPST	—	—	151-746●	2.81	2.45	2.03	1.74	1.23	
Twin Fused									
—	Twin	—	150-032●	4.59	4.49	3.97	3.15	2.65	
Style 'B'									
Single Fused Switched									
SPST	Single	Red	999-6915●	4.58	4.23	4.06	3.82	3.64	
SPST	Single	—	150-031●	3.28	3.09	2.77	2.44	1.87	
Style 'C'									
Twin Fused Switched									
DPST	Twin	—	151-747●	6.15	6.03	5.42	5.12	4.49	
DPST	Twin	Red	999-6923●	6.63	6.14	5.88	5.53	4.77	
DPST	Twin	Green	999-6990●	7.70	7.09	6.79	6.09	5.66	

C14 Mains Inlet Module with Circuit Breaker



IEC C14, H = 50.8, W = 36.1, D (behind panel) = 28.1mm

- Vertical mounting, snap to panel (1.0, 1.5, 2.0 or 3.0mm)
- 6.3mm tabs
- Single pole circuit breaker
- All switches marked I/O
- Approvals: C14 inlet: **CSA, VDE** and **UL** recognised MCB: **CSA** and **UL** recognised

411785

Trip Current	Mfrs. List No.	Order Code	1+	Price Each	50+	100+
Non-Illuminated						
5A	BZV03/Z0000/C1Q	732-5118●	7.91	7.12	6.72	
Illuminated						
10A	BZV03/Z0000/C4U	732-5169●	8.62	7.77	7.33	

C20 Mains Inlet Module with Circuit Breaker



- Vertical mounting, snap to panel (1.0, 1.5, 2.0 or 3.0mm)
- 6.3mm tabs
- Single pole circuit breaker
- All switches marked I/O
- Approvals: C14 inlet: **CSA, VDE** and **UL** recognised MCB: **CSA** and **UL** recognised

411788

Trip Current	Mfrs. List No.	Order Code	1+	Price Each	50+	100+
Non-Illuminated						
16A	BZV49/Z0000/C1Y	732-5070●	9.07	8.17	7.70	
Illuminated						
16A	BZV49/Z0000/C4Y	732-5100●	9.68	8.72	8.23	

Over 480,000 products online



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 20mm x 5mm
 Mfrs. List No. BZV03/Z0000/15

209225

Order Code	Price Each					
	1+	50+	100+	250+	500+	1K+
964-566●	6.99	6.43	6.15	5.82	5.56	4.66

IEC Inlet With Outlets

Combined Inlet with 1-4 Outlets

Snap Fit



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

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

Contact Rating 10A @ 250V ac
 15A @ 250Vac (UL)
 Temperature Range -20°C to +70°C
 Terminations Solder Tags
 Inlets 4.8mm x 0.8mm
 Panel Thickness 1.50mm
 Housing Glass Filled Thermoplastic UL94V-0
 Contacts Brass, Tin Plated

431717

No. of Ways	Mfrs. List No.	Order Code	Price Each			
			1+	25+	50+	100+
1	PX0718/1/15/ST	112-4128●	2.34	2.16	2.07	1.95
2	PX0718/2/15/ST	112-4129●	2.65	2.44	2.34	2.21
3	PX0718/3/15/ST	112-4130●	3.15	2.91	2.78	2.62
4	PX0718/4/15/ST	112-4131●	3.46	3.21	3.08	2.90

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
 Voltage Rating 250V
 Current Rating 10A
 Proof Rating 2kV
 Temperature Range -5°C to +60°C

467410

Order Code	Mfrs. List No.	Inlets	Price Each			
			1+	10+	25+	50+
134-7643●	PXD200	1	10.90	9.39	8.76	7.93
134-7644●	PXD201	with cable	12.92	11.12	10.41	9.08

IEC Outlets

Flange and Snap Fit Fixing

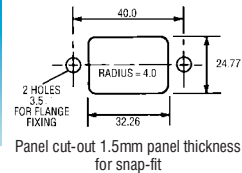


Flange Fix

Snap Fit



Flange Fix



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

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, SEE PAGE 464

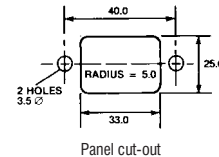
Contact Rating 10A @ 250Vac
 Temperature Range -40°C to +70°C
 Housing Nylon to UL94V-0
 Contacts Brass, Tin Plated
 Terminations 6.35mm x 0.8mm fast-on

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

249541

	Order Code	1+	50+	100+	250+
Flange fix - Black	313-701●	1.41	1.30	1.20	1.12
Flange fix - White	428-5992●	1.00	0.92	0.88	0.84
Snap-fit - Black	151-742●	0.98	0.90	0.86	0.82
Shutter snap-fit - Black	561-277●	1.58	1.46	1.40	1.31

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
 Temperature Range -40°C to +65°C
 Housing Black noryl to UL94V-0UL94V-0
 Terminations 6.35 X 0.8mm Fast on.

Mfrs. List No: R47210000 = 112-5790

219722

Termination Size	Order Code	1+	10+	Price Each 50+	100+	250+	500+
Shuttered 6.35mm	112-5790●	2.32	2.06	1.78	1.63	1.47	1.34

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

209291

Mfrs. List No.	Panel Thickness	Order Code	Price Each					
			1+	50+	100+	250+	500+	1K+
47230000	1mm	112-5800●	1.52	1.35	1.17	1.06	1.01	0.95
47240000	1.5mm	112-5802●	1.77	1.48	1.25	0.89	0.67	0.60
47250000	2mm	112-5803●	1.77	1.48	1.25	0.89	0.67	0.60

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



IEC Outlets - continued

IEC Inlets and Outlets - continued

6100/6600 Series - continued

Contact rating	10A	Dielectric strength	2000V AC
Voltage rating	250V AC	Housing	Thermoplastic UL94V-0
Insulation resistance	10 $\geq$ M Ω		

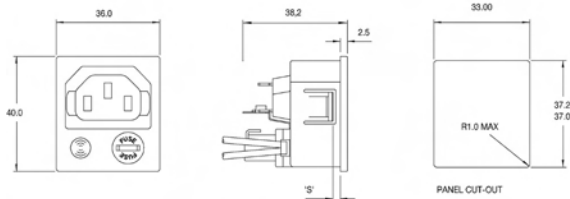
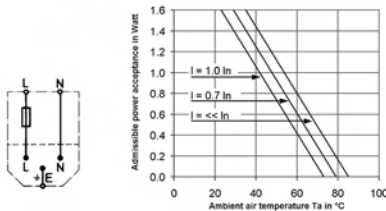
236890

Mfrs. List No.	Order Code	1+	10+	50+	100+
Outlet - Screw Mounting					
6600.3300	965-7029●	1.50	1.26	1.03	0.86
Inlet - Snap In					
6100.4315	952-3855●	0.96	0.80	0.66	0.57

Power Outlet Module
4719 - 10A

- Equipment plug locked with 5 x 20 G fuse holder and screw sealing cap
- Snap-action mounting from the front
- Version with indicator lamp available
- Solder connections (except indicator lamp)
- For front panel thicknesses 1.5mm
- Approvals: TUV UL CSA

SCHURTER
ELECTRONIC COMPONENTS



Specification

Rated Voltage
Rated Current
Withstand Voltage

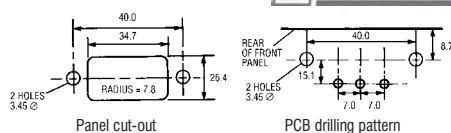
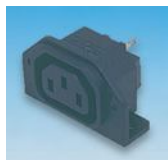
Operating Temperature
Protection Level Front
Protection Class
Panel Thickness (max)
Fuse Holder
Housing Mat

250V AC
10A
 ≥ 2.5 kVDC between L-N
 ≥ 4 kVDC between L/N-PE
25°C to +70°C
IP40 to IEC60529
Class 1 to IEC 61140
3 mm
1 pole, protection against direct contact
UL94V-0 Thermoplastic, Black

242515

Desc	Mfrs. List No.	Order Code	Price Each
Without indicator	4719.4310	120-4854●	10.29

PCB Mounting



BULGIN

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

Mfrs. List No. PX0675/PC

209165

Order Code	1+	50+	100+	250+	1K+
151-748●	1.08	0.99	0.94	0.86	0.71

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

BULGIN



4 Way
H=98.04, W=35.05,
D=behind panel=30.22

3 Way
H=76.0, W=35.05,
D=behind panel=30.33

2 Way
H=51.05, W=35.05,
D=behind panel=30.22

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

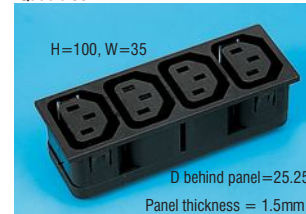
Contact Rating	10A @ 250V ac 15A @ 250V ac (UL, CSA)	Terminations	2.8mm x 0.8mm Nylon UL94V-0 Copper Alloy, Tin Plated
Temperature Range	-20°C to +70°C	Housing	
		Contacts	

CM400/209197

No. of Ways	Mfrs. List No.	Order Code	1+	50+	100+	250+
2	PX0714/2/15/28	865-308●	2.68	2.47	2.25	2.12
3	PX0714/3/15/28	463-5760●	3.08	2.58	2.09	1.65
4	PX0714/4/15/28	865-310●	3.98	3.63	3.35	3.15

Outlet, 4 way Snap-Fit
'Quadbloc'

SCHURTER
ELECTRONIC COMPONENTS



- 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 @ 250V ac
Temperature Range	-20°C to +70°C
Terminations	6.35mm x 0.8mm
Housing	Nylon UL94V-0
Contacts	Brass, Tin Plated

Mfrs. List No. 4752.3000

209226

Order Code	1+	10+	25+	50+	100+	250+
952-3839●	4.57	4.33	4.10	3.81	3.71	3.40
117-6784●	4.12	3.89	3.61	3.20		
120-4852●	4.85	4.58	4.25	3.77		

'Twinbloc' Adaptor

SCHURTER
ELECTRONIC COMPONENTS



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	Housing	Black noryl, UL94V-0
Temperature Range	-20°C to +65°C	Contacts	Brass, Tin Plated

Mfrs. List No.: 4741

209062

Order Code	1+	10+	25+	50+	100+
112-5799●	11.79	10.85	9.35	8.05	7.45

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.

Inlet	Boot Length	Cable Dia.	Order Code
313-762, 313-737, 313-749, 313-853, 313-907, 428-967	46	6	313-774
240-412	52	4	240-400
150-639	48	5	313-798
Outlets			
145-358, 151-742, 145-313, 150-637, 150-638	59	6	427-330
Filters			
149-874 to 149-876			
149-885, 149-886			
149-912, 149-913			

Over 480,000 products online



230-522, 230-534, 453-705
237-292, 237-309
318-103, 318-097, 318-115
318-061, 318-073
968-407 to 968-432
968-444 to 968-493

52 4 240-400

209292

Order Code	1+	100+	250+	500+	1K+
313-774●	0.67	0.49	0.41	0.37	0.31
151-743●	0.67	0.49	0.41	0.37	0.31
427-330●	0.70	0.50	0.39	0.37	0.33
313-798●	0.73	0.62	0.53	0.47	0.37
Price Per Pack					
5 per pack	1+	50+	100+	200+	500+
240-400●	1.72	1.54	1.49	1.46	1.33

Retaining Kits and Flange



Spring retaining clips to prevent accidental disconnection of mated connectors.

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

224240

Order Code	1+	50+	100+	250+	500+
Spring Kits					
313-804●	1.56	1.43	1.31	1.24	1.18
313-816●	1.58	1.55	1.47	1.31	1.24
313-830●	2.44	2.25	2.15	2.03	1.93

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	1+	50+	100+
4797.0015	1.5mm	125-1689●	2.32	1.71	1.47
4797.0020	2.0mm	125-1690●	2.00	1.64	1.38
4797.0025	2.5mm	125-1691●	2.00	1.64	1.38

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

Terminal	Mfrs. List No.	Order Code	1+	50+	100+	250+	500+
Tab	4797.0000	143-7557●	1.89	1.71	1.47	1.39	1.25
Solder	4797.3000	143-7558●	1.89	1.71	1.47	1.39	1.25

IEC Free Plugs

IEC Moat



1516056



1516057

Current rating 10A
Voltage 250Vac
Insulation resistance 100MΩ at 500Vdc
Dielectric strength 2000Vac 1 minute
Body material Nylon

494580

Style	Order Code	1+	50+	100+
Plug, Free Moat	151-6056●	1.94	1.72	1.37
Plug, R/A Moat	151-6057●	2.01	1.77	1.44

Rewireable Free 'Moat' Plugs



H=21.5, W=29, D=81
H=21.5, W=68.5 (inc strain relief), D=47

Current Rating 10A @ 250V ac
Temperature Range -25°C to +70°C

- IEC320 straight and right angle power take off
- Connectors rewireable with internal screw termination, screw grip cable clamping and strain relief.
- Approved to VDE, CSA, SEV and UL Recognised

Housing Black noryl, UL94V-0
Contacts Brass, Nickel Plated
Cable dia. 8.5 max

Mfrs. List Nos: 4732.0000 = 112-5791

R47330000 = 112-5798

219712

	Order Code	1+	50+	100+	250+	500+	1K+
Straight	112-5791●	4.47	4.08	3.65	3.20	2.89	2.70
Right Angle	112-5798●	3.71	3.45	3.33	2.77	1.88	1.68

Rewireable Free 'Moat' Plugs

Black and White



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

- IEC straight and right angle connector
- Internal screw termination

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



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

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

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

PX0686 = 999-7270
PX0686/SE = 999-7288

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

249540

	Order Code	1+	50+	100+	250+	500+
Black						
Straight	999-7270●	2.30	2.15	2.03	1.96	1.59
Right Angle	999-7288●	2.91	2.66	2.54	2.42	1.72
White						
Straight	999-7342●	2.41	2.19	2.11	2.03	1.96
Right Angle	999-7350●	2.12	1.94	1.87	1.79	1.73

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.

Mfrs. 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 >10⁹MΩ
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	1+	50+	100+	250+
999-7067●	2.68	2.47	2.37	2.23

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



IEC Free Plugs - continued

Rewireable Free Plug 16A - continued

219745

Mfrs. List No	Order Code	1+	50+	100+	250+	500+
4796.0000...	117-0116●	6.12	5.58	5.04	4.76	4.28

Rewireable Free Plug and Socket

SCHURTER
ELECTRONIC COMPONENTS



- Angled for 90° entry
- Screwing cable terminal
- Pin temperature 70°C, Protection class I
- Screw clamp
- Approvals. **CSA and ENEC Recognised**

Current Rating 16A @ 250V ac Housing Thermoplastic, UL94V-0 450038

Mfrs. List No.	Order Code	1+	50+	100+
Plug	4789.1200	125-1692●	6.53	5.54
Socket	4790.1200	125-1693●	5.54	4.87

IEC Hot Condition

Rewireable Free Socket
Black and White

BULGIN



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 Contacts Brass, Nickel Plated
Temperature Range -40°C to + 120°C Terminations Screw Terminal
Housing Matt nylon

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

249544

Colour	Mfrs. List No.	Order Code	1+	50+	100+	250+
Black	PX0597	117-2515●	1.90	1.75	1.68	1.58
White	PX0597/WH	117-2513●	1.97	1.82	1.74	1.67

Inlets - Panel Mounting

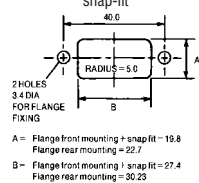
BULGIN



Flange fixing

Snap-fit

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



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 Contacts Brass, Nickel Plated
Temperature Range -40°C to + 120°C Terminations 6.35mm x 0.8mm fast-on
Housing Nylon, UL94V-0

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

249542

	Order Code	1+	50+	100+	250+
Flange fix - Black	151-745●	1.00	0.91	0.87	0.83
Flange fix - White	428-6005●	1.34	1.19	1.15	1.11
Snap-fit	313-907●	1.31	1.17	1.11	1.05

Series 1048

APA



- Hot condition mains socket
- According to **VDE 0625/1/01.88**
- norm C15A
- Max. contact temperature: +155°C

Material: Polyester
Rated current: 16A/250V AC

Lead: max 3 x 1.0mm²

Typ Side entry
Straight 1048/WS
1048/SW
1048/GR

Colour
White
Black
Grey

232430

Mfrs. List No.	Order Code	1+	10+	50+	100+
1048/WS	121-6333●	1.89	1.66	1.40	1.21
1048/SW	121-6336●	1.94	1.71	1.44	1.24
1148/SW	121-6335●	2.28	2.01	1.66	1.45

Type 1049

APA



- Hot condition IEC inlet
- According to **VDE 0225/1/01.88**
- Max. contact temperature +155°C

Material: Polyester
Colour: White
Rated current: 10A/250V AC
Terminations: Thread

232431

Mfrs. List No.	Order Code	1+	10+	50+	100+
1049/WS	121-6334●	1.91	1.62	1.41	1.22

IEC Connectors - High Power

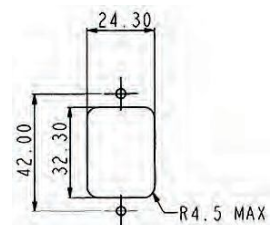
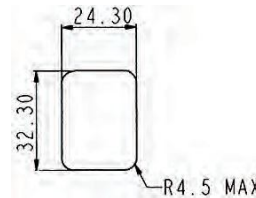
Mains Inlets

BULGIN

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,
Current rating North America
Terminations
Temperature Range

16A @ 250V
20A @ 250V
6.3mm Tabs
-40°C to + 70°C

Mouldings
Approvals
Mating Connector
Insulation Boot

Nylon UL94V-0
UL CSA VDE
PX0599
14064

248283

Mfrs. List No.	Order Code	1+	25+	100+
Screw Mount PX0596/63	428-6030●	1.14	0.87	0.72
Snap In PX0598/15/63	428-6042●	1.14	0.87	0.72

Mains Connector

20A - High Power



- IEC320 C19 rewirable 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,
Current rating North America
Op Temp Range

16A @ 250V
20A @ 250V
-40°C TO + 70°C

Mouldings
Approvals
Mating connector
Accessories

Nylon UL94V-0
UL, CSA, VDE + IMQ Pending
PX0596, PX0598
Retaining Kit KT0012

248293

Mfrs. List No.	Order Code	1+	25+	100+
PX0599	999-7369●	3.46	2.69	2.27

20A Connector Accessories



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

248302

For Use With	Mfrs. List No.	Order Code	1+	25+	100+
Insulation Boot	14064	428-6054●	1.02	0.99	0.76
Retaining Clip	KT0012	428-6066●	2.85	2.79	1.89

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 125 / 250V AC
Rated Current 16A @ 250VAC: VDE
20A @ 125/250 VAC: UL CSA
Withstand Voltage ≥2.5kVDC between L-N
≥3 kVDC between L/N-PE
Operating Temperature -25°C to +70°C
Protection Level Front IP40 to IEC60529
Protection Class Class 1 to IEC 61140
Panel Thickness (max) 8 mm (screw mount) 1.5mm (snap in)
Housing Mat UL94V-0Thermoplastic, Black

242518

Desc	Mfrs. List No.	Order Code	Price Each
Non Illuminated Snap In	EC11.0001.201	117-6806●	12.12
Illuminated Screw Mount	EC11.0021.001	117-6807●	10.84

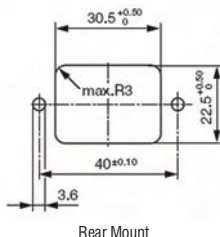
IEC Plug Filters

Power Entry Module with Line Filter

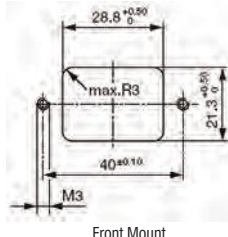
5120 Series - Standard Grade - Panel Mount



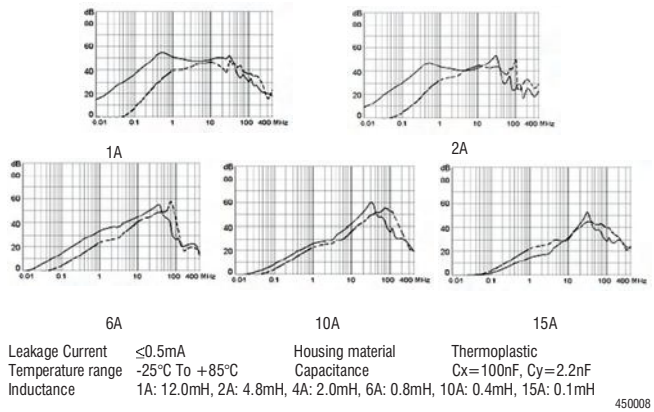
- Screw mounting, 2 x M3
- Protection Class 1, Pin Temp 70°C
- Quick connect terminals 6.3 x 0.8 mm
- Approvals: **VDE, CSA, ENEC and UL Recognised**



Rear Mount



Front Mount

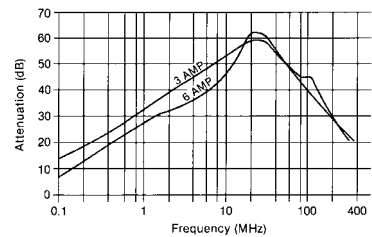


Mfrs. List No.	Rating	Order Code	1+	Price Each 10+	50+
Screw-on Rear Side					
5120.1000.0	1A	125-1694●	4.08	3.63	3.43
5120.1007.0	15A	125-1701●	4.08	3.63	3.43
Screw-on Front Side					
5120.0000.0	1A	125-1702●	4.08	3.63	3.43
5120.0001.0	2A	125-1704●	4.08	3.63	3.43
5120.0004.0	6A	125-1707●	4.08	3.63	3.43
5120.0006.0	10A	125-1708●	4.08	3.63	3.43

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
Capacitance 1 x 0.033μF (X) + 2 x 2200pF
Inductance 2 x 0.8mH3(A), + 1 x 0.3mH(6A)

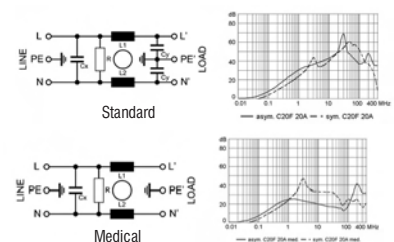
Earth leakage current ≤0.5mA
Operating temperature range -25°C to +85°C

220481

Rating	Order Code	1+	25+	100+	250+	500+
3A	112-5792●	13.24	9.72	8.36	7.34	6.63
6A	113-7742●	15.14	14.15	12.65	10.34	9.48

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
Rated Current 20A to UL/CSA
16A to VDE

Operating Temperature -25°C to +85°C
Protection Level Front IP40 to IEC60529
Protection Class Class 1 to IEC 61140
Panel Thickness (max) 8 mm
Housing Mat UL94V-0Thermoplastic, Black

Dissipation Current Standard: ≤0.5mA (250V/60Hz)
Medical: ≤5μA (250V/60Hz)

Withstand Voltage 1.7 kVDC between L-N

242520

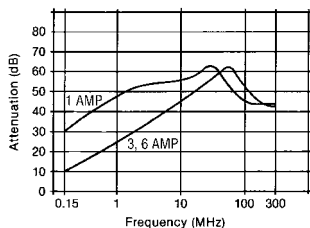
Capacitor	Mfrs. List No.	Order Code	Price Each
Screw-on			
Standard Class X2	C20F.0001	120-6459●	24.02
Medical Class X2	C20F.0002	120-7679●	20.82
Snap-In			
Standard Class X2	C20F.0011	107-7002●	10.14

IEC Plug Filters - continued

Panel Mounting, Short Can



Panel cut out=28.5 x 21.5
Depth behind panel=48
Fixing centres=40, Tabs=6.3 x 0.8



- Compact high performance **IEC320** panel mounting filter
- Designed for applications where space behind the panel is at a premium
- Approved to **VDE, SEV, DEMKO, FI, CSA** and **UL Recognised**
- Designed to meet **IEC950**.

Voltage rating 250V @ 0 to 400Hz Inductance 2.8mH(1A), 0.75mH (3A),
Earth leakage current 2 x 0.21mA 0.3mH(6A)
Capacitors 0.047μF (X) Operating temperature -25°C to +85°C
+ 2 x 2200pF(Y)

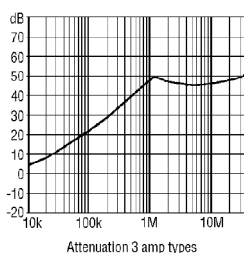
Mfrs. List No: FN323-1/05 = 110-4549
FN323-3/05 = 110-4554
FN323-6/05 = 110-4551

220483

Rating	Order Code	1+	10+	50+	100+
1A	110-4549●	10.46	9.15	8.01	6.86
3A	110-4554●	10.46	9.15	8.01	6.86
6A	110-4551●	10.46	9.15	8.01	6.86

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



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

Voltage rating 250V @ 0-400Hz Max. leakage current/phase 190μA
Capacitance Cx=100nF Cy=2 x 2.2nF Operating temperature range -25°C to +85°C
Inductance 6A-0.78mH, 15A-0.075mH

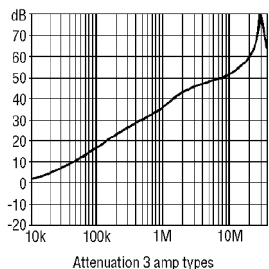
220480

Rating	Mfrs. List No.	Order Code	1+	5+	25+	50+	100+	250+
6A	FN9222S-6/06-15	119-0737●	14.02	10.95	9.35	6.83	5.46	4.45
15A	FN9222S-15/06-15	119-0736●	14.02	10.95	9.35	6.83	5.46	4.45

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 190μA
Capacitance Cx=47nF Cy=2 x 2.2nF Operating temperature range -25°C to +85°C
Inductance 1A-4.65mH, 3A-1.24mH, 6A-0.52mH 10A-0.27mH

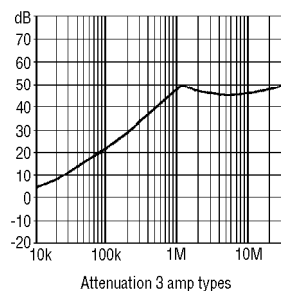
204127

Rating	Mfrs. List No.	Order Code	1+	5+	25+	50+	100+	250+
1A	FN9226-1/06	110-4565●	8.04	6.63	5.27	4.29	3.92	3.45
3A	FN9226-3/06	110-4566●	15.84	13.46	11.89	10.49	9.26	8.18
6A	FN9226-6/06	110-4567●	12.84	10.62	8.43	6.85	6.26	5.54
10A	FN9226-10/06	110-4568●	16.07	13.29	10.55	8.57	7.83	6.93

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



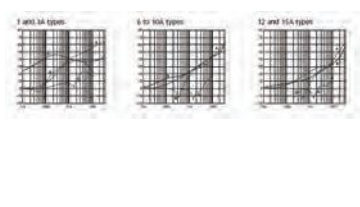
- Excellent performance to size ratio
- **IEC 950** Compliant
- **UL Recognised** and **CSA** approved
- **VDE, SEV & SEMKO** approved up to 10A

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

220476

Rating	Mfrs. List No.	Order Code	1+	5+	25+	50+	100+	250+
1A	FN9222-1/06	117-2597●	13.11	10.23	8.73	6.52	5.10	4.15
3A	FN9222-3/06	117-2598●	13.11	10.23	8.73	6.52	5.10	4.19
6A	FN9222-6/06	117-2599●	15.25	11.90	10.15	7.58	5.93	4.83
10A	FN9222-10/06	117-2600●	15.25	11.90	10.15	7.58	5.93	4.83
12A	FN9222-12/06	117-2601●	13.11	10.23	8.73	6.52	5.10	4.15
15A	FN9222-15/06	117-2602●	13.14	10.25	8.75	6.53	5.11	4.16

High Performance IEC inlet filter



- Rated currents up to 15A
- Excellent attenuation performance

Voltage rating 250V
Capacitance Cx=0.1μF Cy=2 x 2.2nF

Max. leakage current/phase 373μA
Operating temperature range -25°C to +85°C

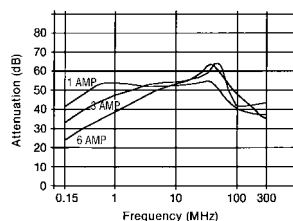
479628

Rating	Inductance (mH)	Mfrs. List No.	Order Code	1+	10+	50+	100+
1A	22.5	FN9233-1/06	139-0926●	10.49	9.67	8.54	7.34
3A	4.6	FN9233-3/06	139-0927●	10.49	9.67	8.54	7.34
6A	1.6	FN9233-6/06	139-0928●	10.49	9.67	8.54	7.34
10A	0.45	FN9233-10/06	139-0929●	10.49	9.67	8.54	7.34
15A	0.2	FN9233-15/06	139-0930●	10.49	9.67	8.54	7.34
Bleed Resistor							
1A	22.5	FN9233R-1/06	139-0931●	10.49	9.67	8.54	7.34
3A	4.6	FN9233R-3/06	139-0932●	10.33	9.53	8.41	7.23
6A	1.6	FN9233R-6/06	139-0933●	10.49	9.67	8.54	7.34
10A	0.45	FN9233R-10/06	139-0935●	10.33	9.53	8.41	7.23
15A	0.2	FN9233R-15/06	139-0936●	10.33	9.53	8.41	7.23
Medical							
1A	22.5	FN9233B-1/06	139-0942●	12.58	11.59	10.24	8.81
3A	4.6	FN9233B-3/06	139-0943●	12.58	11.59	10.24	8.81
6A	1.6	FN9233B-6/06	139-0944●	12.39	11.42	10.09	8.68
10A	0.45	FN9233B-10/06	139-0945●	12.58	11.59	10.24	8.81
15A	0.2	FN9233B-15/06	139-0947●	12.58	11.59	10.24	8.81

Panel Mounting, High Performance



Panel cut-out=28.5 x 21.5
Depth behind panel=60 Fixing centres=40
Tabs=6.3 x 0.8



- IEC plug filter conforming to **IEC 320** and providing very high attenuation,
- Approved to **VDE, SEV, SEMKO, CSA** and **UL Recognised**. Designed to meet **IEC950**.

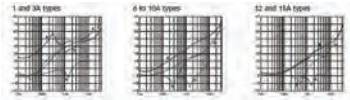
Voltage rating 250V @ 0-400Hz Earth leakage current 2 x 0.3mA
Capacitance 2 x 0.047μF(x) + 2 x 3300pF(y) Operating temperature range -25°C to +85°C
Inductance 10mH (1A), 3.1 (3A), 1.2mH (6A)

Mfrs. List No: FN321-1/05 = 110-4555
FN321-3/05 = 110-4556
FN321 6/05 = 110-4557

220468

Rating	Order Code	1+	10+	50+	100+	250+
1A	110-4555	13.88	11.80	10.41	9.60	9.11
3A	110-4556	13.19	11.21	9.89	9.60	8.59
6A	110-4557	13.88	11.80	10.41	9.60	9.11

Inlet filter with Earth Line Choke



- Excellent performance/size ratio
- Integrated earth line choke

- Good conducted attenuation performance, based on chokes with high saturation resistance and excellent thermal behaviour

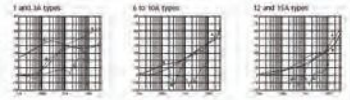
Voltage rating 250V
Capacitance Cx=0.1μF Cy=2.2nF

Max. leakage current/phase 373μA
Operating temperature range -25°C to +85°C

479515

Rating Standard	Inductance (mH)	Mfrs. List No.	Order Code	1+	10+	50+	100+
1A	12	FN9222EU-1/06	139-0916	9.65	8.89	7.85	6.75
3A	2.50	FN9222EU-3/06	139-0917	9.65	8.89	7.85	6.75
6A	0.78	FN9222EU-6/06	139-0918	9.65	8.89	7.85	6.75
10A	0.225	FN9222EU-10/06	139-0919	9.65	8.89	7.85	6.75
15A	0.075	FN9222EU-15/06	139-0920	9.65	8.89	7.85	6.75
Snap-In							
6A	0.78	FN9222ES1-6/06	139-0921	10.98	10.11	8.95	7.68
10A	0.225	FN9222ES1-10/06	139-0923	10.98	10.11	8.95	7.68
Medical							
6A	0.78	FN9222EB-6/06	139-0924	10.49	9.67	8.54	7.34
10A	0.225	FN9222EB-10/06	139-0925	10.49	9.67	8.54	7.34

High Performance IEC inlet Filter With Earth Line Choke



- Excellent performance/size ratio
- Integrated earth line choke

- Good conducted attenuation performance, based on chokes with high saturation resistance and excellent thermal behaviour

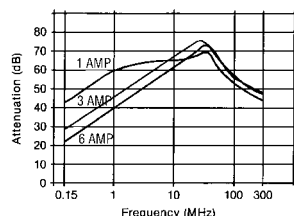
Voltage rating 250V
Capacitance Cx=0.1μF Cy=2 x 2.2nF

Max. leakage current/phase 373μA
Operating temperature range -25°C to +85°C

479529

Rating Standard	Inductance (mH)	Mfrs. List No.	Order Code	1+	10+	50+	100+
1A	22.5	FN9233E-1/06	139-0937	12.58	11.59	10.24	8.81
3A	4.6	FN9233E-3/06	139-0938	12.58	11.59	10.24	8.81
6A	1.6	FN9233E-6/06	139-0939	12.39	11.42	10.09	8.68
10A	0.45	FN9233E-10/06	139-0940	12.58	11.59	10.24	8.81
15A	0.2	FN9233E-15/06	139-0941	12.58	11.59	10.24	8.81

Panel Mounting with Earth Line Choke



Panel cut-out=28.5 x 21.5
Depth behind panel=60
Fixing centres=40, Tabs=6.3 x 0.8

- Very high performance IEC320 mains filter with earth line choke to provide even better attenuation especially at high frequencies
- If interference occurs on all three lines simultaneously normal filters will only attenuate phase and neutral lines. By incorporating the earth line choke, any interference in the earth which would normally pass unimpeded, will be effectively attenuated
- Approved to VDE, SEV, SEMKO, CSA and UL Recognised.
- Designed to meet IEC950.

Voltage rating 250V @ 0-400Hz
Earth leakage current 2 x 0.32mA
Capacitance 0.047μF(X)
Capacitance +2 x 3300pF(Y)
Mfrs. List Nos: FN329-1/05 = 119-0735 FN329-3/05 = 110-4553

Inductance 6.3mH (1A), 6.3mH1A
Earth line choke 400μH
Operating temperature -25°C to +85°C

RoHS Compliant
Non-compliant



08447 11 11 11

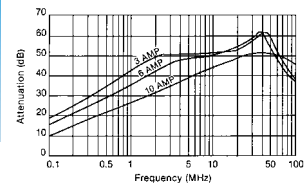
Fax: 08447 11 11 12 1795

220482

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 ≤ @ 1 x 0.015μF (X)
Inductance 2 x 1.8mH (3A), 2 x 0.35mH (10A)
Capacitors -40°C to +70°C

Operating temperature
Mfrs. List No: PS00/A0320/2800 = 999-6958 PS00/A0620/6300 = 999-6974
PS00/A0620/2800 = 999-6966 PS00/A1020/6300 = 999-6982
PS00/A0320/6300 = 999-7040

220485

Rating	Order Code	1+	10+	25+	100+	250+
2.8 0.5mm Tabs						
3A	999-6958	14.93	11.81	8.88	6.14	5.63
6A	999-6966	14.93	11.81	8.88	6.14	5.63
6.3 0.8mm Tabs						
3A	999-7040	13.54	11.12	8.80	6.14	5.63
6A	999-6974	13.54	11.12	8.80	6.14	5.63
10A	999-6982	15.17	12.45	9.85	6.87	6.31

FOR MORE INFORMATION & CHOICE

Product Search

IEC Filters

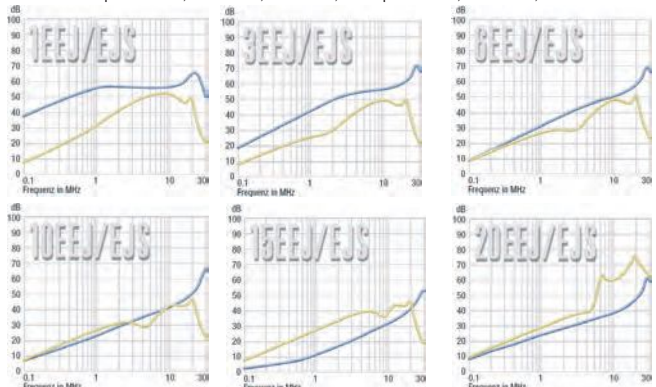

☐ RoHS Compliant Items Only | [Advanced Search](#)

IEC Power Inlet Filter

EEJ Series: Enhanced Performance



1-15 Amp H = 24.38, W = 51.76, D = 54.61, 20 Amp H = 29.99, W = 53.00, D = 79.38



- Horizontal flange mount
- Enhanced performance for more attenuation
- Extended metal flange around the socket for improved high frequency EMI shielding
- 20 amp version uses IEC 320/C20 inlet
- Applications for the 20 amp version include high current power supplies and computing equipment which consist of work stations, base stations and servers etc.
- UL Recognised, VDE Approved and CSA Certified

16

IEC Plug Filters - continued

IEC Power Inlet Filter - continued

EEJ Series: Enhanced Performance - continued

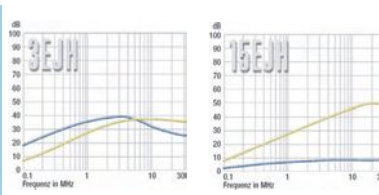
Temperature Range	to	Operating Voltage	250V
Test voltage (1 minute)	Line -to-ground	Operating Frequency	50/60 Hz
Test voltage (1 minute)	Line -to-Line		
Leakage current	Line -to-ground		

411353

Mfrs. List No.	Rating	Order Code	1+	5+	25+	50+
3EEJ1	3A	958-6288	8.59	5.12	4.46	4.10
6EEJ1	6A	958-6296	8.02	4.78	4.16	3.81
10EEJ1	10A	958-6300	14.00	10.89	9.19	6.87
15EEJ1	15A	958-6318	11.02	8.57	7.23	5.40
20EEJ1	20A	958-6326	15.53	9.25	8.05	7.38

Enhanced Performance Compact Medical Filter

EJH Series



- Horizontal mount
- Enhanced performance for more attenuation
- Extended metal flange around the socket for improved high frequency EMI shielding
- These medical filters are designed to provide common and differential mode performance while maintaining the UL leakage requirements for medical and dental equipment
- **UL Recognised, VDE Approved and CSA Certified**

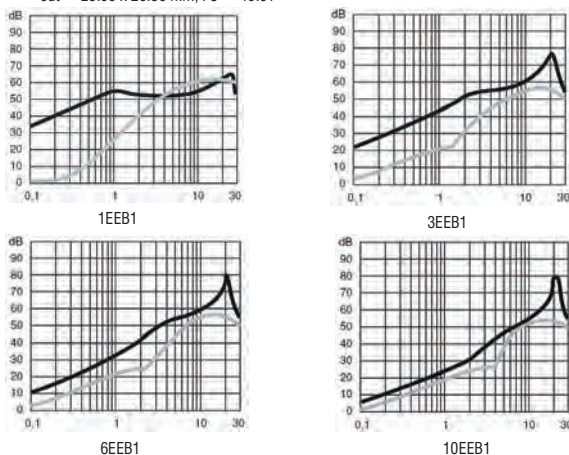
Temperature Range	to	Operating Voltage	250V
Test voltage (1 minute)	Line -to-ground	Operating Frequency	50/60 Hz
Test voltage (1 minute)	Line -to-Line		
Leakage current	Line -to-ground		

411361

Mfrs. List No.	Rating	Order Code	1+	5+	25+	50+
3EJH1	3A	958-6407	14.41	11.24	9.84	8.29
15EJH1	15A	958-6431	6.62	5.17	4.52	3.79

IEC Inlet Filter
EEB Series: Compact

H = 20.6, W = 50.3, D = 54.6 mm, Panel Cut-out = 28.96 x 20.80 mm, FC = 40.01



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		

tyco Electronics corcom

- Horizontal mount
- Cost effective and compact
- Enhanced differential mode performance
- **UL Recognised, VDE Approved and CSA Certified**

Mfrs. List No.	Rating	Order Code	1+	10+	50+	100+
1EEB1	1A	958-6008	10.89	9.56	8.31	7.13
3EEB1	3A	958-6016	14.54	8.70	7.57	6.95
6EEB1	6A	958-6024	14.02	12.29	10.69	9.18
10EEB1	10A	958-6032	14.72	8.76	7.94	7.00

IEC Inlet Filters - RID and RIX Series



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

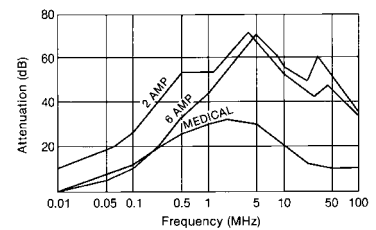
488399

Faston	Mfrs. List No.	Order Code	1+	10+	50+	100+
6A	RID0642H	142-8678	4.83	4.25	3.69	3.39
10A	RID1042H	142-8679	4.83	4.25	3.69	3.39
R/A Faston						
3A	RIX0342H	142-8681	4.83	4.25	3.69	3.39
6A	RIX0642H	142-8682	4.83	4.25	3.69	3.39
R/A PCB						
1A	RIX0142P	142-8683	4.83	4.25	3.69	3.39
6A	RIX0642P	142-8685	4.83	4.25	3.69	3.39

Panel Mounting



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



- 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.

	Standard Versions	Medical Versions
Voltage rating	250V @ 0 to 400Hz	250V @ 0 to 400Hz
Earth leakage current (IEC348)	≤4μA @ 250V 0Hz	<0.75mA @ 250V 0Hz
Capacitors	1 x 0.015μF (X) + 2 x 4700pF (Y)	0.015μF between lines (X)
Inductance	700μH (6A), 700μF (6A)-25°C70°C	2mH per line-25°C70°C
Operating temperature	-25°C to +70°C	-25°C to +70°C
Mfrs. List No:	L2133C/L = 942-7104 L2131C/L = 942-7112 L2135C/L = 942-7120	

220467

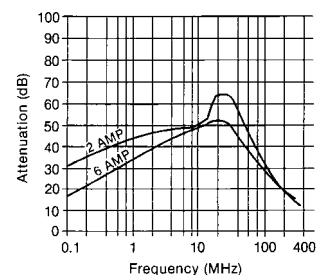
Rating	Order Code	1+	25+	Price Each	100+	500+	1K+
2A	942-7104	14.01	12.66	11.37	10.88	10.21	
6A	942-7112	14.01	12.66	11.37	10.88	10.21	
6A (Medical)	942-7120	14.06	12.92	11.18	10.98	10.26	

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



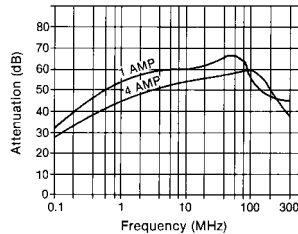
- IEC320 mains filter with integral 20x5mm fuseholder
- Approved to VDE, SEV, SEMKO, CSA and UL Recognised
- Excellent filter and stop band characteristics to protect against mains borne interference and transients.

Voltage Rating 250Vac@50/60 Hz Inductance 2 x 4mH (2A) 4mH2A or 2 x 0.7mH(6A)
 Earth Leaking Capacity 2.2nF 4mH2A
 Capacitance 1 x 0.047μF Operating Temperature -25°C to +85°C
 Mfrs. List No: 5200-0243-1 = 112-5793
 5200-0643-1 = 112-5794

204006

Rating	Order Code	1+	25+	100+	250+
2A	112-5793●	24.85	22.02	17.15	14.92
6A	112-5794●	24.85	22.02	16.54	14.93

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 <0.5mA
 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)
 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●	15.25	13.72	12.98	11.32
4A	113-0939●	15.25	13.72	12.98	11.32

Power Entry module with Line Filter



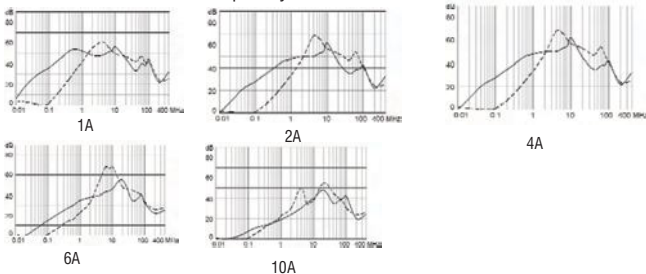
Type KFA - Double fused



- 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 holder 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-0 Thermoplastic, Black
 2.7kVDC Between L/N-PE

418281

Rated Current	Mfrs. List No.	Order Code	1+	10+	50+
1A	4301.6001	107-6985●	9.33	7.91	6.98
2A	4301.6002	107-6987●	14.46	12.29	10.84
4A	4301.6003	107-6988●	14.46	12.29	10.84
6A	4301.6004	107-6989●	14.46	12.29	10.84
10A	4301.6005	107-6990●	13.64	12.24	11.35

Power entry module with filter and IP65 degree of protection



5707 Series



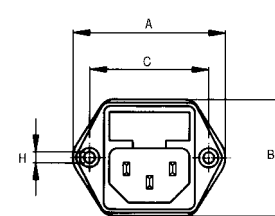
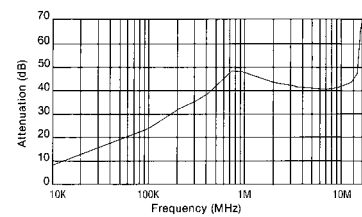
- Front and/or rear mounting
- IP65 degree of protection
- Medical approval of IEC/UL 60601-1 for line filter

Contact rating 1-8A Operating Temperature -25°C to 70°C
 Voltage Rating V AC Dielectric Strength >1.7 kVDC between L-N
 Pin Temperature 70°C >2.7 kVDC between L/N-PE

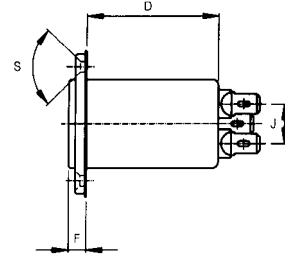
496341

Current Rating	Mfrs. List No.	Order Code	1+	10+	50+
1 Pole Fuse					
1A	5707.0101.112	151-7953●	16.37	15.23	14.23
2A	5707.0201.112	151-7954●	16.37	15.23	14.23
4A	5707.0401.112	151-7955●	16.37	15.23	14.23
6A	5707.0601.112	151-7956●	16.37	15.23	14.23
8A	5707.0801.112	151-7957●	16.37	15.23	14.23
2 Pole Fuse					
1A	5707.0101.312	151-7959●	19.48	17.86	15.38
2A	5707.0201.312	151-7961●	16.74	15.58	14.57
4A	5707.0401.312	151-7962●	19.48	17.86	15.38
6A	5707.0601.312	151-7963●	16.74	15.58	14.57
8A	5707.0801.312	151-7964●	16.74	15.58	14.57
2 Pole Fuse Medical					
1A	5707.0103.312	151-7965●	18.49	17.20	16.08
2A	5707.0203.312	151-7966●	21.52	20.02	18.45
4A	5707.0403.312	151-7967●	18.49	17.20	16.08
6A	5707.0603.312	151-7968●	21.52	20.02	18.45
8A	5707.0803.312	151-7969●	18.49	17.20	16.08

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 Inductance 2 x 5.3mH - 1A
 Max. leakage per phase 191μA 2 x 2.7mH - 2A
 Capacitance Cx 100nF 2 x 1mH - 4A
 Cy 2 x 2.2nF 2 x 0.3mH - 6A
 Faston terminals 6.35mm x 0.8mm

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

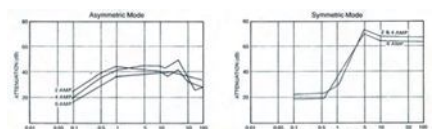
204063

Rating	Order Code	1+	25+	Price Each	250+	500+
1A	110-4560●	12.41	10.34	9.30	8.58	8.32
2A	110-4562●	13.82	11.51	10.36	9.55	9.27
4A	110-4563●	14.45	12.04	10.84	9.99	9.69
6A	110-4564●	14.45	12.04	10.84	9.99	9.69

Panel Mount Fuseholder (20 x 5mm)



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



IEC Plug Filters with Fuse - continued

Panel Mount - continued

Fuseholder (20 x 5mm) - continued

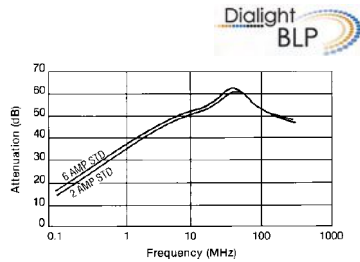
- IEC 320 input terminals
- 6.3 x 0.8 Faston output terminals
- Integral, front mounted 20 x 5mm fuseholder

Temperature Range	-25 to 85°C	Operating Voltage	250V
Capacitors	0.015µF (Class X2), 2200pF (Class Y)	Operating Frequency	0 to 400Hz
Rated current (A)	Leakage current (mA)	Inductance (per line) (mH)	Mfrs. List No.
2	0.25	3	L2143/2/L
6	0.25	1.3	L2143/6/L

311402

Order Code	1+	Price Each	50+
942-7171●	18.48	15.93	13.01
942-7180●	18.35	15.52	13.02

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	Capacitance	1 x 0.015µF (X) + 2 x 2200pF(Y)
Earth leakage current	Standard 0.2mA		No Y Capacitors on Medical Filters
Operating temp.	85°C-25°C to +		

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

Rating	Order Code	1+	25+	100+	250+	500+
2A	942-6990●	15.56	15.10	13.86	12.86	12.00
6A	942-7007●	15.53	15.05	13.82	12.83	11.98
2A	942-7139●	15.81	14.06	12.75	11.91	11.21
6A	942-7147●	15.78	14.05	12.75	11.91	11.21

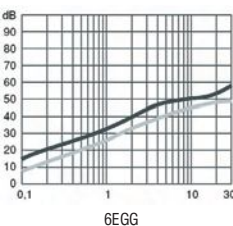
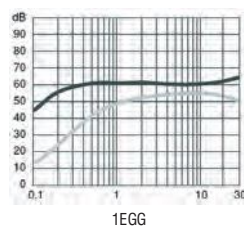
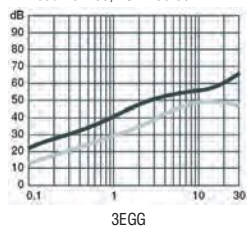
16

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
Test voltage (1 minute)	Line -to-ground	Operating Frequency	50/60 Hz
Test voltage (1 minute)	Line -to-Line		1550 VAC
Leakage current	Line -to-ground		1450 VDC
			0.42mA

411339

Mfrs. List No.	Rating	Order Code	1+	10+	25+	50+
1EGG1-2	1A	958-6121●	16.82	13.48	11.58	9.99
3EGG1-2	3A	958-6130●	18.72	11.16	9.70	8.91
6EGG1-2	6A	958-6148●	18.12	10.79	9.39	8.62

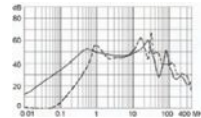
IEC Plug Filters with Switch

Panel Mount, Switched, 2-Pole

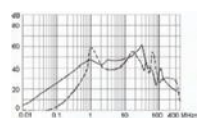
DC12 Series



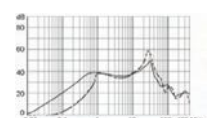
- Compact design
- IEC connector module, 10A line switch, 2 pole
- Snap-in and screw-on mountings
- 6.3 x 0.8mm tabs
- Suitable for high inrush currents
- Approvals: ENEC UL CSA



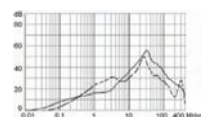
1A



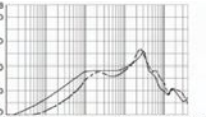
2A



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					
1A	DC12.1102.101	107-6992●	14.85	13.36	12.38
2A	DC12.2102.101	107-6993●	18.59	15.80	13.93
4A	DC12.3102.101	107-6994●	11.98	10.17	8.98
6A	DC12.4102.101	107-6995●	15.97	13.57	11.97
10A	DC12.5102.101	107-6996●	16.10	14.49	13.43
Screw-On					
1A	DC12.1102.001	107-6997●	17.28	15.55	14.40
2A	DC12.2102.001	107-6998●	18.59	15.80	13.93
4A	DC12.3102.001	107-6999●	18.59	15.80	13.93
6A	DC12.4102.001	107-7000●	18.59	15.80	13.93
10A	DC12.5102.001	107-7001●	18.74	16.86	15.63

Power entry module with filter for PCB mounting



- Screw Mounting from the back
- Power switch 2 pole, 125/250VAC
- Standard filter 2 pole
- PCB mounting
- Space saving component

Contact rating	10A for ENEC/VDE 8A for UL/CSA	Operating Temperature	-25°C to 70°C
Voltage Rating	125V AC at 50Hz 250 V AC at 60Hz	Dielectric Strength	>1.7 kVDC between L-N >2.7 kVDC between L/N-PE
Pin Temperature	70°C		

496340

Current Rating	Mfr. List No.	Order Code	1+	10+	50+
2	DD22.2121.1111	151-7988●	26.82	24.14	22.78
4	DD22.4121.1111	151-7989●	26.82	24.14	22.78
6	DD22.6121.1111	151-7990●	26.82	24.14	22.78
10	DD22.9121.1111	151-7991●	26.82	24.14	22.78
Medical					
2	DD22.2321.1111	151-7992●	29.06	26.15	24.67
4	DD22.4321.1111	151-7993●	29.06	26.15	24.67
6	DD22.6321.1111	151-7994●	29.06	26.15	24.67
10	DD22.9321.1111	151-7996●	29.06	26.15	24.67



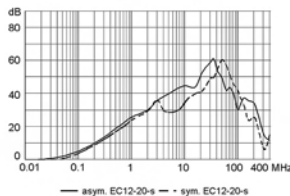
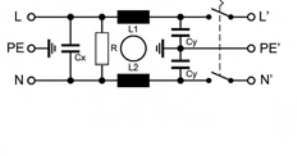
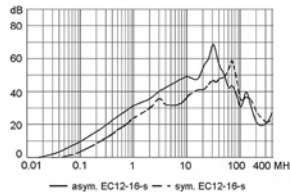
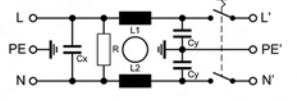
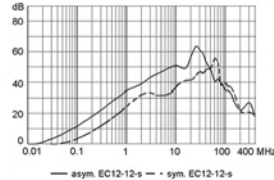
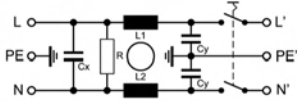
40,000 PRICES REDUCED

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
 Rated Current 12/16A @ 40°C ENEC (VDE)
 Rated Current 12/16/20A @ 40°C UL CSA
 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 Level Front IP40 to IEC60529
 Protection Class Class 1 to IEC 61140
 Panel Thickness (max) 8 mm
 Housing Mat UL94V-0Thermoplastic, Black

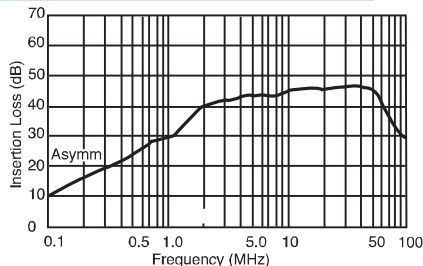
242519

Rated Current	Inductances L1 L2	Mfrs. List No.	Order Code	Price Each
12A	2 X 0.8 mH	EC12.3101.001	120-4857●	37.05
16A	2 X 0.6 mH	EC12.2101.001	120-4856●	37.05
20A	2 X 0.3 mH	EC12.1101.001	120-4855●	29.64

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
 Current Rating 6A
 Earth Leakage Current <0.35mA @ 250V, 50Hz
 -25°C to +85°C

Capacitance 0 - 0.015μF (X)
 +2 x 2200pF (Y)
 Inductance 2 x 0.7mH
 Operating Temperature -25°C to +85°C

203999

SPST Switch	Mfrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
Non-Illuminated	BZM27/A0620/53B	999-7075●	13.02	12.10	10.50	9.17
Red-Illuminated	BZM27/A0620/55B	999-7083●	13.61	12.64	10.98	8.98
Green-Illuminated	BZM27/B0620/61B	999-7091●	10.47	9.70	8.41	6.89
DPST Switch	Mfrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
Non-Illuminated	BZM27/A0620/57B	999-7105●	13.86	12.88	11.18	9.12
Red-Illuminated	BZM27/A0620/59B	439-710▲	8.64	8.14	7.06	6.06
Red-Illuminated	BZM27/A0620/59B	999-7113●	13.99	12.99	11.27	9.20
Green-Illuminated	BZM27/B0620/63B	999-7121●	15.06	13.98	11.89	9.17

IEC Plug Filters with Switch / Fuse

AC Inlet with Mains Filter

KMF Series - EMC Shielded



- Ultra compact power entry module.
- Integral On/Off Switch - 10,000 cycles
- 2 pole 5 x 20mm fuseholder
- For Cold connections 70°C Class 1
- Snap in front mounting.
- Medical fuseholder forces plug removal before fuse replacement
- 4.8 x 0.8mm Quick Connect terminals
- Manufactured to IEC/EN60950.
- VDE & CSA Approved UL Recognised

Panel cut out	28.0mm X 47.8mm	Panel cut out	28.0mm X 47.8mm
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/2A /4A/ 6A/10A.	IP Rating	IP
Temp range	-25 To 70°C	Housing	Black Thermoplastic .UL94V-0

236881

	Mfrs. List No.	Order Code	Price Each		
			1+	10+	50+
2A	KMF1.1121.11.	386-6075	9.84	9.44	9.20
4A	KMF1.1141.11.	386-6087	9.84	9.44	9.20
Fuse drawer	Mfrs. List No.	Order Code	Price Each		
			1+	10+	50+
Standard	4301.1401	114-4906●	1.51	1.35	1.19

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	Voltage rating	250V ac @ 50/60 Hz
Contact rating	10A	Housing	Thermoplastic UL94V-0
IP rating	IP 40	Panel Thickness	1.0 - 2.5mm
Housing	Thermoplastic UL94V-0	Panel Cut Out	With EMC 28.8 x 47.8mm
Temperature range	-25°C To 70°C		W/O EMC 28.0 x 47.0mm
Test voltage	2.5 KV Between L+N		

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
1 Pole				
4301.1405	Standard			1162738
4301.1407	Extra safe - Medical Grade			1162739
2 Pole				
4301.1403	Extra safe - Medical Grade			1162737

236888

Mfrs. List No.	Order Code	Price Each			
		1+	10+	50+	100+
KM00.1205.11	965-7037●	6.17	5.46	5.01	4.68
KM01.1205.11	116-2778●	5.31	4.91	4.73	4.19
KM00.1105.11	116-2776●	8.40	7.75	6.94	6.39
KM01.1105.11	116-2777●	9.63	8.48	7.99	7.45
1 Pole Fuseholders					
4301.1405	116-2738●	0.92	0.81	0.74	0.68
4301.1407	116-2739●	1.07	0.95	0.86	0.80
2 Pole fuse holders					
4301.1403	116-2737●	1.10	0.99	0.91	0.82



IEC Plug Filters with Switch / Fuse - continued

Power entry module with filter for PCB mounting DC22



- Screw mounting from the back
- Power switch 2 pole, 125/250VAC
- Standard filter 2 pole
- PCB mounting
- Space saving component

Contact rating	1 -10A for ENEC/VDE and UL/CSA	Operating Temperature	-25°C to 70°C
Voltage Rating	125V AC at 50Hz 250 V AC at 60Hz	Dielectric Strength	>1.7 kVDC between L-N >2.7 kVDC between L/N-PE
Pin Temperature	70°C		

496338

Current Rating	Mfr. List No.	Order Code	1+	10+	50+
1A	DC22.1121.111	151-7976●	15.08	13.56	12.81
2A	DC22.2121.111	151-7977●	15.08	13.56	12.81
4A	DC22.4121.111	151-7978●	15.08	13.56	12.81
6A	DC22.6121.111	151-7979●	15.08	13.56	12.81
10A	DC22.9121.111	151-7980●	17.55	15.78	14.90

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

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

Voltage rating	250V ac	Voltage rating	250V ac
Contact rating	A1/2A /4A/ 6A/10A.	IP Rating	IP 40
Temp range	-25 To 85°C	Housing	Thermoplastic

485419

Current Rating	Mfrs. List No.	Order Code	1+	10+	50+
1A	DD12.1121.111	143-0796●	19.36	18.03	16.84
2A	DD12.2121.111	143-0797●	19.36	18.03	16.84
4A	DD12.4121.111	143-0799●	19.36	18.03	16.84
6A	DD12.6121.111	143-0800●	19.36	18.03	16.84
8A	DD12.8121.111	143-0801●	19.36	18.03	16.84
10A	DD12.9121.111	143-0802●	19.36	18.03	16.84

Inlet for front or rear side mounting DD11 Series



- Ultra compact design, ideal for low profile designs
- Fuse drawer meets requirements of medical standard IEC/EN 60601-1
- 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	Voltage rating	250V ac
Contact rating	10A	Housing	Thermoplastic
Temp range	-25 To 85°C		

485434

Current Rating	Mfrs. List No.	Order Code	1+	10+	50+
10A	DD11.0111.1111	143-0803●	7.86	6.81	5.86
10A	DD11.0113.1111	143-0805●	8.33	7.74	7.24
10A	DD11.0114.1111	143-0806●	8.33	7.74	7.24
10A	DD11.0121.1111	143-0807●	7.19	6.71	6.28
10A	DD11.0123.1111	143-0808●	8.80	8.19	7.66
10A	DD11.0124.1111	143-0809●	8.80	8.19	7.66

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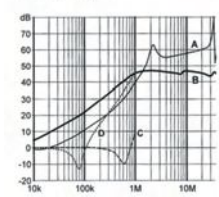
Panel Mounting, Switched and Fused FN28... Series



2 amp types



Vertical Mount Version Horizontal Mount Version Snap-In Mount Version



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 190µA

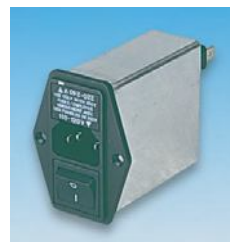
Dimensions include mounting holes

Current Rating (A)	H	W	D	Panel Cut-Out	Fuses	Mfrs. List No.	Order Code
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	82	32	43.1	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
1	65	50	43.1	60.829.3	1	FN283-1/06	110-4581
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	60.829.3	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	60.829.3	2	FN284-6/06	110-4589
1	65	32	43.6	61.629.3	1	FN285-1/06	110-4590
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	61.629.3	2	FN286-4/06	110-4595
6	65	32	43.6	61.629.3	2	FN286-6/06	110-4596

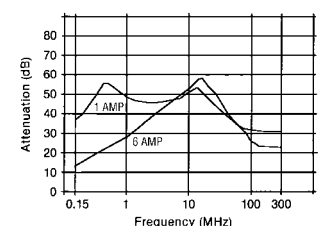
209303

Current Rating (A)	Order Code	1+	5+	Price Each	50+	100+
FN281 Series. Vertical Mounting. Single Fuse.						
1	110-4572●	27.25	22.30	19.45	17.50	
2	110-4574●	27.25	22.30	19.45	17.50	
4	110-4575●	27.25	22.30	19.45	17.50	
6	110-4576●	27.25	22.30	19.45	17.50	
FN282 Series. Vertical Mounting. Double Fuse.						
1	110-4577●	32.16	26.29	22.92	20.68	
2	110-4578●	32.24	29.71	28.80	27.96	
4	110-4579●	32.16	26.29	22.92	20.68	
6	110-4580●	30.60	26.01	22.95	21.15	
FN283 Series. Horizontal Mounting. Single Fuse.						
1	110-4581●	26.56	21.74	18.97	17.06	
2	110-4582●	26.56	21.74	18.97	17.06	
4	110-4583●	19.91	16.31	14.23	12.81	
6	110-4584●	26.56	21.74	18.97	17.06	
FN284 Series. Horizontal Mounting. Double Fuse.						
1	110-4586●	30.79	26.17	23.09	21.28	
2	110-4587●	30.79	26.17	23.09	21.28	
4	110-4588●	30.79	26.17	23.09	21.28	
6	110-4589●	30.79	26.17	23.09	21.28	
FN285 Series. Snap-In. Single Fuse.						
1	110-4590●	25.28	21.49	18.97	17.48	
2	110-4591●	25.28	21.49	18.97	17.48	
4	110-4592●	25.28	21.49	18.97	17.48	
6	110-4593●	26.56	21.74	18.97	17.06	
FN286 Series. Snap-In. Double Fuse.						
2	110-4594●	29.73	25.27	22.30	20.55	
4	110-4595●	31.25	25.55	22.28	20.09	
6	110-4596●	29.73	25.27	22.30	20.55	

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	Standard: 7.5mH1A0.45mH6A
Voltage Selector	120/110-/220-240V		7.5mH (1A), 0.45mH (6A)
Fuse Holder	20 x 5mm or 1 1/4" 1/4"		With Earth-Line Choke:
Earth leakage current	2 x 0.32mA		7.5mH (1A), 0.45mH (6A)
Capacitance	1 x 0.22μF(X) + 2 x 3300pF(Y)	Operating Temp.	-25°C to +85°C

204009

Mfrs. List No.	Rating	Order Code	1+	10+	50+	100+	250+
Standard							
FN393-1/05-11	1	110-4558●	43.33	36.83	32.49	29.95	28.45
FN393-2.5/05-11	2.5	110-4552●	43.33	36.83	32.49	29.95	28.45
FN393-6/05-11	6	110-4559●	43.33	36.83	32.49	29.95	28.45
With Earth-Line Choke							
FN393E-2.5/05-11	2.5	110-4570●	43.94	36.77	33.17	29.00	25.76
FN393E-6/05-11	6	110-4571●	43.94	36.77	33.17	29.00	25.76

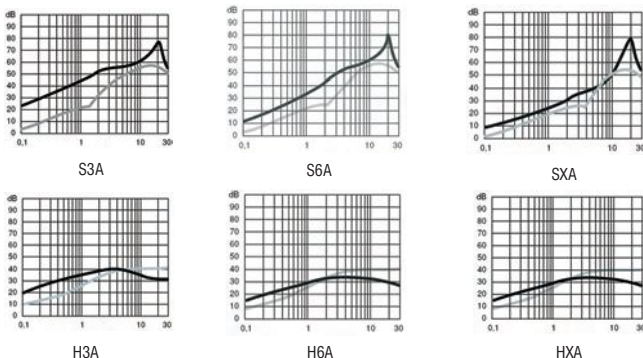
Power Entry Module

P Series: Switched and Fused with Voltage Selector

tyco / Electronics / corcom



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 = 54.1 mm, Panel cutout, = 28.5 x 55.91, FC = 40mm



- 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**

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		
Models	Leakage current	Models	Leakage current
General purpose @ 250 VAC 50Hz	0.5mA	General purpose @ 120 VAC 50Hz	0.25mA
Medical @ 250 VAC 50Hz	5μA	Medical @ 120 VAC 50Hz	2μA

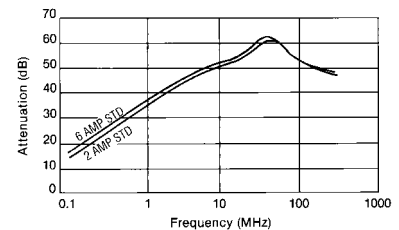
411149

Mfrs. List No.	Rating	Order Code	1+	5+	50+	100+
General purpose for jumper type applications						
Snap-in						
PSOSSDS3A	3A	958-5850●	30.57	24.98	21.79	19.62
PSOSSDS6A	6A	958-5869●	29.96	24.48	21.35	19.23
PSOSSDSXA	10A	958-5877●	30.57	24.98	21.79	19.62
Horizontal mount						
PEOSSDS3A	3A	958-5915●	25.27	20.64	18.00	16.22
PEOSSDSXA	10A	958-5931●	25.27	20.64	18.00	16.22
General purpose for dual primary transformer applications						

Mfrs. List No.	Rating	Order Code	1+	5+	50+	100+
Snap-in						
PSOSXDS3A	3A	958-5826●	30.57	24.98	21.79	19.62
PSOSXDS6A	6A	958-5834●	30.57	24.98	21.79	19.62
PSOSXDSXA	10A	958-5842●	30.57	24.98	21.79	19.62
Horizontal mount						
PEOSXDS3A	3A	958-5885●	30.57	24.98	21.79	19.62
PEOSXDS6A	6A	958-5893●	30.57	24.98	21.79	19.62
PEOSXDSXA	10A	958-5907●	30.57	24.98	21.79	19.62
Medical for jumper type applications						
Snap-in						
PSOSSDH3A	3A	958-5940●	25.50	23.39	18.68	17.36
PSOSSDH6A	6A	958-5958●	31.78	29.15	23.29	21.65
PSOSSDHXA	10A	958-5966●	31.78	29.15	23.29	21.65
Medical for dual primary transformer applications						
Horizontal mount						
PEOSSDH3A	3A	958-5974●	31.78	29.15	23.29	21.65
PEOSSDH6A	6A	958-5982●	25.75	23.60	18.85	17.52
PEOSSDHXA	10A	958-5990●	20.40	18.72	14.94	13.89

Panel Mounting, Switched and Fused, Snap-In

Dialight BLP



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)
Earth Leakage Current	Standard 0.2mA	Switch Operations	50,000
	Medical 0.2mA	Operating Temperature	-40°C to +85°C
Capacitance	1 x 0.015μF(X) + 2 x 2200pF (Y)	No Y Capacitors fitted to medical filters	
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

204048

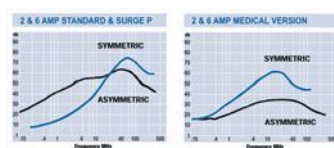
Rating	Order Code	1+	25+	100+	250+	500+
2A	942-7015●	22.09	20.03	18.04	17.37	16.18
6A	942-7023●	22.09	20.03	18.04	17.37	16.18
2A	942-7155●	25.05	22.50	19.51	17.86	16.06
6A	942-7163●	25.06	22.51	19.51	17.86	16.06

16

Panel Mount

Double Pole Switch and Double Fuseholder

Dialight BLP



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

● IEC 950 (EN 60950 Applications)	● 6.3 x 0.8 Faston output terminals			
● IEC 320 input terminals	● Approved to UL, VDE and CSA			
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	Inductance (mH)	Mfrs. List No.	Order Code
2	0.2mA	2.0	SF2032-2/01	942-7210
6	0.2mA	0.5	SF2032-6/01	942-7228
6	5μA	0.5	SF2032M-6/01	942-7236

311385

Order Code	1+	Price Each	10+	50+
Standard Version				
942-7210●	28.24		24.62	20.69
942-7228●	28.24		24.62	20.69
Medical Version				
942-7236●	27.28		23.76	19.97

£ € 40,000 PRICES REDUCED

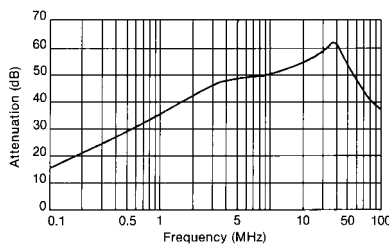
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IEC Plug Filters with Switch / Fuse - continued

Panel Mounting, Switched and Fused



Style A	Style B	Style C
Panel cut-out=56.6 x 34.4 Depth behind panel=58 Panel thickness=1.5 to 3 Tabs=6.3 x 0.8	Panel cut-out=70.1 x 34.4 Depth behind panel=58 Panel thickness=1.5 to 3 Tabs=6.3 x 0.8	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)



- 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

Voltage Rating	250V @ 50-400Hz	Capacitance	0.015µF (X)
Current Rating	6A		+ 2 x 2200pF (Y)
Earth Leakage Current	<0.35mA @ 250V, 50Hz	Inductance	2 x 0.7mH
Fuseholder	20 x 5mm	Operating Temperature	-25°C to +85°C
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	

220472

	Style	Order Code	1+	50+	100+	250+	500+
SPST, switch/single fuse	A	999-7008●	17.60	16.63	11.57	9.85	9.46
SPST, Red Illuminated switch/single fuse	A	999-7156●	20.10	15.87	13.23	10.71	10.24
DPST Red Illuminated switch/single fuse	B	999-7164●	20.36	16.06	13.39	10.83	10.60
DPST Red Illuminated switch/twin fuse	C	999-7016●	19.57	15.43	12.87	10.95	10.69
DPST green illuminated switch/twin fuse	C	999-7172●	21.13	16.65	13.89	11.25	10.81

16

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●	5.56	4.90	4.25	3.90
Fused IEC Inlet						
RIR-0222-H	2A	110-1082●	10.25	9.94	8.61	7.07
RIR-0422-H	4A	110-1083●	8.04	7.79	6.75	5.54
RIR-0622-H	6A	110-1084●	10.25	9.94	8.61	7.07
Switched and Fused IEC Inlet, Snap-in						
RIQ-0242-H2	2A	110-1086●	16.63	16.28	15.08	13.89
RIQ-0442-H2	4A	110-1087●	16.63	16.28	15.08	13.89
RIQ-0642-H2	6A	110-1088●	16.63	16.28	15.08	13.89
Chassis Filter						
RES5-F08	8A	110-1089●	12.85	10.60	9.54	7.18
RES5-F10	10A	110-1090●	12.85	10.60	9.54	7.18
RES5-F15	15A	110-1091●	12.85	10.60	9.54	7.18

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		

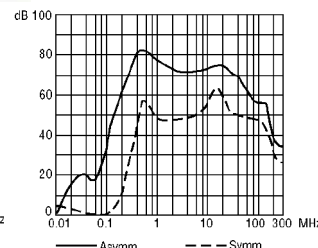
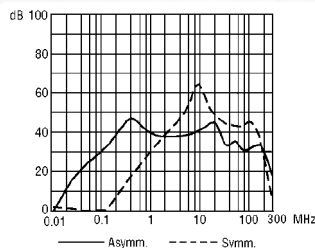
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Current Rating	Mfrs. List No.	Order Code	1+	10+	25+
2A	RIS0222H2	142-8691●	14.44	14.15	13.10
4A	RIS0422H2	142-8692●	14.44	14.15	13.10
6A	RIS0622H2	142-8693●	14.44	14.15	13.10

Panel Mounting, Switched and Fused Standard and Two stage Ultra High Performance



- IEC plug filters conforming to EN 133200, UL 1283 and IEC 950
- Single 5 x 20mm fuseholder and double pole on/off switch
- Single stage offers good attenuation over a broad frequency range
- Two stage has increased attenuation at the lower end of the frequency range



Voltage Rating	250V @ 50/60Hz	Capacitance	Single Stage 2 x 68nF
Inductance	Single Stage: 4mH (6A), 0.8mH (6A)		2 x 2.2nF
	Two Stage: 2 x 4mH (2A), 2 x 4mH (2A)		Two Stage 2 x 68nF
Leakage Current	<0.5mA		2 x 1.5nF (Cy1)
Operating Temp.	-25°C to +85°C		2 x 1.0nF (Cy2)
Mfrs. List Nos:	4304.4002 = 113-0940 4304.5002 = 113-0942	FKH2-50-6/I = No Order Code FKHD2-50-6/I = No Order Code	

204169

Rating	Order Code	1+	10+	25+	50+	100+	250+
Single stage - Standard							
2A	113-0940●	21.15	18.56	17.28	15.44	14.42	13.44
6A		21.15	18.56	17.28	15.44	14.42	13.44
Two Stage - High Performance							
2A	113-0942●	33.56	28.52	26.04	22.19	20.28	19.12
6A		33.56	28.52	26.04	22.19	20.28	19.12

IEC Outlet Filters

Accessory Outlet Filter

EBF Series: Outlet Filters

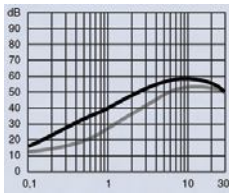


- Horizontal mount
- Filters noise between system and the accessories
- Enhanced performance utilizing common mode inductance
- Differential mode capacitance
- Grounded connection
- Low leakage current required for international usage
- UL Recognised, VDE Approved and CSA Certified

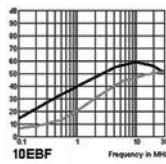
H = 25.4, W = 50.5, D = 65.3mm, FC = 40mm

Over 480,000 products online





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●	16.52	9.83	8.57	7.86
10EBF1	10A	958-6202●	13.84	12.43	11.10	9.85

DC Inlet Filters

DC Inlet Filter 5003 Series



- Compact high performance DC-filter
- Applications: Mission Critical Ethernet LAN Routers
- High uptime Ethernet LAN switches
- Fiber Optic WAN Switches
- Fiber Optic WAN Multiplexer

Voltage rating	125 VDC	Voltage rating	125 VDC
Contact rating	A3 /6A /10A/ 15A	Housing	Thermoplastic
Temp range	-25 To 85°C		

485435

Current Rating	Mfrs. List No.	Order Code	1+	10+	50+
3A	5003.1111.1	143-0810●	8.14	7.57	7.07
6A	5003.1211.1	143-0811●	8.14	7.57	7.07
10A	5003.1311.1	143-0812●	8.14	7.57	7.07
15A	5003.1411.1	143-0813●	8.14	7.57	7.07

IEC Filtered Distribution Boards

5 Way In-Line Striploc



- 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	6A @ 250V ac
Attenuation	70dB max.
Operating Temperature	-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+
Striploc 112-5797●	33.91	31.33	29.89	27.35

6 Way Distribution Boards



H=40, W=131, D=131

- Filtered IEC distribution board providing 6 fully shuttered outlets from one source
- Mains ON/OFF switch, neon indicator and 10A fuse
- Suitable for free standing use, bench or rack mounting

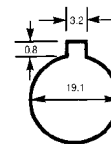
Mfrs. List No. PXD701/56/10/1

220474

Order Code	1+	5+	10+	50+	100+
999-7245●	28.74	27.05	24.08	21.90	20.64

Circular Mains

3 Pole Miniature Outlet 3A



Panel cut-out

313-944 L=72, Dia=24.1	313-956 L=30, Dia=24
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Miniature mains connectors for power take-off applications. A rear insulation boot is available for improved safety. Order Code 151-744, **IN ADJACENT COLUMN**

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

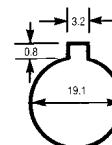
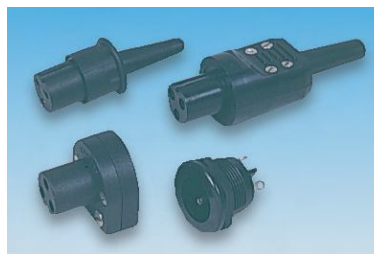
Mfrs. List Nos: PX0649 = 313-944 PX0650 = 313-956

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●	2.07	1.95	1.87	1.79	1.71	1.64
Panel Socket	313-956●	1.68	1.58	1.52	1.46	1.39	1.33

3 Pole Miniature Inlet 3A



Panel cut-out

313-968 *(50V) L=55, Dia=20.5	313-970 L=72.9, Dia=24.2
313-981 H=27.1, W=25.4, D=25	313-993 L=22.2, Dia=23.8

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	Contacts	Sockets	Brass, Silver Plated
Temperature Range	-20°C to + 60°C	Pins	Brass, Tin Plated	
Housing	Black phenolic resin			

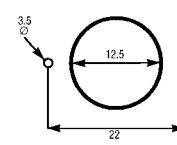
***Warning:** 313-968 (50V rated) may be used for 250V ac operation but only in totally enclosed applications.

Mfrs. List Nos:	PX0631 = 313-968	PX0430/SE = 313-981
	PX0646 = 313-970	PX0429 = 313-993

219760

	Order Code	1+	100+	250+	500+	1K+	2K+
Free Socket	313-968●	1.01	0.95	0.90	0.87	0.82	0.78
Free Socket Cord grip strain relief	313-970●	2.65	2.47	2.35	2.22	2.11	2.02
Free Socket 90°	313-981●	2.24	2.08	1.99	1.88	1.80	1.41
Panel Plug	313-993●	0.95	0.89	0.85	0.81	0.78	0.75

3 Pole Sub-Miniature Inlet 5A



Panel cut-out

147-074 L=35, Dia=15.0	147-077 H=19, W=29, D=22.5
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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	Phosphor Bronze, silver plated
Cable Dia.	4mm max.	Socket	Phosphor Bronze, silver plated	
Housing	Blue polyamide			

Mfrs. List Nos: RPC2-12P-3S(71) = 107-7723 RPC2-12RB-3P(71) = 107-7726

219761

	Order Code	1+	50+	150+	250+
Free Socket	107-7723●	3.05	2.32	1.85	1.58
Chassis Plug	107-7726●	1.80	1.27	1.01	0.90



Circular Mains - continued

'Power-Con'
Locking 3 Pole

- 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

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
Dielectric Strength	4240Vp.p	Contacts	Copper zinc alloy, with gold over tin plating
Contact Resistance	≤mΩ after 5000 mating cycles		

209198

Cable Connector	Mfrs. List No.	Order Code	1+	25+	50+	100+
A' Type	NAC3FCA.	892-350●	3.55	3.34	3.24	3.07
B' Type	NAC3FCB.	892-361●	3.55	3.34	3.24	3.07
Chassis Connector	Mfrs. List No.	Order Code	1+	25+	50+	100+
A' Type	NAC3MPA..	892-373●	1.69	1.58	1.53	1.44
B' Type	NAC3MPB..	892-385●	1.69	1.58	1.53	1.44
Accessories	Mfrs. List No.	Order Code	1+	25+	50+	100+
Coupler	NAC3MM.	388-6220●	9.07	8.82	8.59	8.37
Powercon Lead	NKFC-15-0.	388-6232●	6.45	5.98	5.37	4.77

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

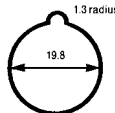
Order Code	1+	100+	250+	500+	1K+
151-744●	0.49	0.46	0.44	0.41	0.36

Shrouded Contact Mains

3 and 4 Pole Miniature 3A



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.



Panel cut-out

314-020 H=30.5, W=25.5, D=26.1
314-031 L=28.4, Dia=25.4

Contact Rating	3A @ 250V ac	Temp. range	-20°C to +70°C
Contact Resistance	mΩ	Housing	Glass Filled Nylon
Insulation Resistance	10000mΩ	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

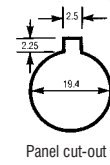
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	Order Code	1+	100+	250+	500+	1K+	2K+
3 Pole							
Free 90° plug	314-020●	2.06	1.94	1.86	1.78	1.70	1.63
Panel Socket	314-031●	2.23	2.04	1.95	1.85	1.74	1.65
4 Pole							
Free 90° plug	314-043●	3.21	3.00	2.87	2.71	2.59	2.12
Panel Socket	314-055●	1.88	1.75	1.68	1.59	1.52	1.31

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
Insulation Resistance	5000MΩ	Contacts	(314-067) Phenolic Resin
Breakdown voltage	5.5kV		Brass, Silver Plated

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

209339

	Order Code	1+	50+	100+	250+	500+
Free 90° plug	942-7031●	5.31	4.31	4.07	3.81	3.19
Panel Socket	314-079●	6.40	5.40	5.10	4.76	4.04

'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	5000 MΩ
Breakdown Voltage	2500V rms
Housing Material	Polycarbonate
Contact Material	Phosphor Bronze
Contact Plating	Gold over Nickel
Temperature range	-55°C to +125°C

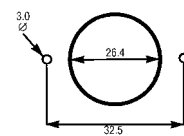
219740

No. of Ways	Mfrs. List No.	Order Code	1+	25+	50+	100+	250+
Housing (2 required for Mated Connector)							
2	60 8020 3117 00 000	637-506●	0.78	0.70	0.67	0.54	0.49
3	60 8020 3317 00 000	637-518●	0.86	0.78	0.73	0.58	0.54
Mounting Clip							
	60 8020 3210 00 000	637-520●	0.81	0.71	0.69	0.62	0.56
Contacts (pack of 10)							
			Price Per Pack				
Crimp	60-8017-0313-00-042	150-368●	1.72	1.68	1.63		

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
Breakdown Voltage	6kV		(314-092) Black nylon
Temperature range	-10°C to +55°C	Contacts	(314-080) Brass, Silver Plated
			(314-092) Brass, Nickel Plated

209340

	Mfrs. List No.	Order Code	1+	50+	200+	500+
Free 90° plug	L1722A/P	314-080●	8.78	7.46	6.48	5.64
Panel Socket	L1722A/S	314-092●	6.26	5.29	4.71	4.10

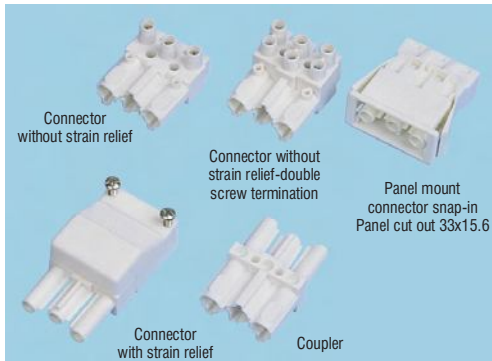
REACH - SVHCs



Products containing **Substances of Very High Concern** under REACH can now be easily identified online. Look for this logo to access supporting safety datasheets at www.farnell.co.uk

'ST18' Compact Connectors

3 Pole 16A



- Mechanical polarisation prevents mis-matching of male and female connectors
- Leading earth contact makes in advance, increasing user safety
- Socket connector has two terminals per contact providing a jumper facility or distributing power to the next connector (daisy chaining) in lighting applications
- CSA, VDE, OVE, SEV, NEMKO, FI and BS5733 approved
- UL Recognised

The ST18 connector range is designed for the distribution of mains power in electrical installations such as lighting, office furniture, distribution and boiler/burner applications.

Contact Rating	16A	Contacts	Brass, tin plated
Voltage Rating	380V	Conductor Size	2.5mm ²
Connector Housing	Polyamide 6.6	Operating Temperature	100°C (max.)

209002

Order Multiple=5		Price Each			
Type	Mftrs. List No.	Order Code	5+	25+	100+
Connector without strain relief					
Plug	93.032.3350.0	117-2833●	0.83	0.77	0.74
Socket	93.031.3250.0	117-2834●	1.03	0.96	0.92
Socket - Double	93.031.3350.0				
Screw		117-2835●	1.94	1.78	1.53
	93.030.5958.0	117-2843●	1.63	1.51	1.45
Connector with Strain relief					
Plug	93.732.3350.0	117-2836●	1.65	1.54	1.47
Socket	93.731.3250.0	117-2837●	1.91	1.78	1.70
Connector Panel Mount - Snap-in					
Plug	93.032.9058.0	117-2838●	1.57	1.49	1.42
Socket	93.031.9058.0	117-2841●	1.63	1.51	1.45
Coupling Block	93.030.5958.0	117-2843●	1.63	1.51	1.45

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
Mftrs part No	1740259-5 is for use with 7 way distributor



520120

		Price Each			
Description	Keying Mftrs.	Order Code	1+	50+	100+
Plug Housing, White					
Plug Housing, White	HV1	1740259-1	162-8941●	0.170	0.154
Plug Housing, Black	HV1	1740259-2	162-8942●	0.170	0.154
Plug Housing, Red	HV2	1740259-5	162-8943●	0.170	0.154
Plug Housing, Blue	HV3	1740259-6	162-8944●	0.170	0.154
Plug Housing, Light Grey	LV1	1740449-1	162-8945●	0.170	0.154
Plug Housing, Yellow	HV1	1740449-2	162-8946●	0.170	0.154
Outlet Housing, White	HV1	1740262-1	162-8947●	0.200	0.185
Outlet Housing, White	HV1	1740262-2	162-8948●	0.170	0.154
Outlet Housing, White	HV1	1740262-6	162-8949●	0.170	0.154
Outlet Housing, White	HV1	1740451-1	162-8950●	0.170	0.154
Outlet Housing, White	HV1	1740451-2	162-8952●	0.170	0.154
Accessories					
		Order Code	10+	50+	100+
Tube, White	1740260-1	162-8953●	0.135	0.123	0.113
Tube, Black	1740260-2	162-8954●	0.135	0.123	0.113
Ring Clip, White	1740261-1	162-8955●	0.102	0.092	0.084
Ring Clip, Black	1740261-2	162-8956●	0.102	0.092	0.084
Contact, Pin	1740335-3	162-8957●	0.170	0.154	0.141
Contact, Socket	1740336-3	162-8958●	0.135	0.123	0.113

7.5mm Mini HVL Connector System

Distributor Assemblies



New

520174

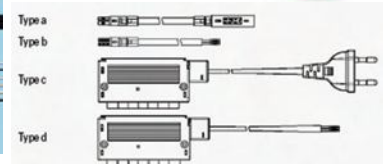
		Price Each			
Description	No. of Ways	Order Code	1+	50+	100+
Housing assembly, White					
Housing assembly, White	6	1740317-1	162-8959●	3.480	3.170
Housing assembly, Black	6	1740317-3	162-8961●	3.480	3.170
Housing assembly, Blue	6	1740317-5	162-8964●	3.580	3.260
Housing assembly, Light Grey	6	1740317-7			
Housing assembly, Yellow	6	1740317-9	162-8966●	3.480	3.170
Housing assembly, White	7	1740317-2	162-8960●	3.860	3.500
Housing assembly, Black	7	1740317-4	162-8962●	3.860	3.500
Housing assembly, Blue	7	1740317-6	162-8965●	3.960	3.590
Housing assembly, Light Grey	7	1740317-8			
Housing assembly, Yellow	7	1740317-1	162-8969●	3.860	3.500
Accessories					
		Order Code	10+	50+	100+
Cover, White	1740315-1	162-8970●	1.020	0.920	0.840
Cover, Black	1740315-2	162-8971●	1.020	0.920	0.840
Bus Bar inc fix hook, White	293300-1	162-8973●	1.320	1.200	1.100
Bus Bar inc fix hook, Black	293300-2	162-8974●	1.320	1.200	1.100
Bus Bar, White	293300-3	162-8976●	1.320	1.200	1.100
Bus Bar, Black	293300-4	162-8977●	1.320	1.200	1.100
Coding Ring	1740316-1	162-8972●	0.068	0.062	0.057

7.5mm Mini HVL Connector System

Cable Assemblies



New



Mftrs. Part No.	Description	Colour	Length	Type
960550-1	Outlet (HV-1) - Plug (HV-1)	Black	2.0m	a
960551-2	Plug (HV-1) - No Connector	Black	2.0m	b
960552-3	Plug (HV-2) - No Connector	Black	2.0m	b
960556-2	6 Way Distributor - No Connector	Black	0.3m	d
960558-2	7 Way Distributor - No Connector	Black	0.3m	d
1-960550-1	Outlet (HV-1) - Plug (HV-1)	White	0.2m	a
1-960551-2	Plug (HV-1) - No Connector	White	0.2m	b
1-960552-1	Plug (HV-2) - No Connector	White	0.2m	b
1-960556-2	6 Way Distributor - No Connector	White	0.3m	d
1-960558-2	7 Way Distributor - No Connector	White	0.3m	d

521602

		Price Each		
Mftrs. Part No.	Order Code	1+	25+	50+
960550-1	163-9671●	3.78	3.49	2.89
960551-2	163-9672●	2.65	2.44	2.02
960552-3	163-9673●	2.59	2.39	1.97
960556-2	163-9674●	4.90	4.51	3.72
960558-2	163-9676●	5.21	4.80	3.97
1-960550-1	163-9677●	3.88	3.57	2.95
1-960551-2	163-9678●	2.65	2.44	2.02
1-960552-1	163-9679●	2.65	2.44	2.02
1-960556-2	163-9680●	4.90	4.51	3.72
1-960558-2	163-9681●	5.07	4.67	3.86
Tooling				
2-1579004-2	Crimp Hand Tool	163-9682●	232.77	
1-1579007-4	Extraction Tool	163-9683●	26.99	



Shrouded Contact Mains - continued

NECTOR Connector System



The NECTOR connectors are designed for flexible power wiring applications such as electrical power distribution in building installations and home automation. They can also be used in lighting industry applications such as lighting fixtures and shop lighting distribution. These connectors are suitable to be used in suspended ceilings and under raised floors.

Key Features:-

- Pluggable electrical installation system
- Two possible contact styles: Spring Clamp or screw termination
- Keyed housing to prevent mismatches
- Locking devices to get improved latching between both interconnection sides
- These 3 way connectors are available as either Free Hanging or Panel Mount
- Current rating - 20A
- Voltage rating - 250VAC

521737

Mfrs. Part No.	Contact Style	Colour	Order Code	1+	25+	50+	50+
Free Hanging Receptacles							
293186-1	Spring Clamp	Black	163-9336	5.80	5.49	5.08	4.51
293186-2	Spring Clamp	White	163-9337	5.80	5.49	5.08	4.51
293188-1	Screw	Black	163-9340	5.80	5.49	5.08	4.52
293188-2	Screw	White	163-9342	5.80	5.49	5.08	4.52
Free Hanging Plugs							
293187-1	Spring Clamp	Black	163-9338	5.80	5.49	5.08	4.51
293187-2	Spring Clamp	White	163-9339	5.80	5.49	5.08	4.51
293189-1	Screw	Black	163-9343	5.80	5.49	5.08	4.52
293189-2	Screw	White	163-9344	5.80	5.49	5.08	4.52
Panel Mount Receptacles							
293190-1	Spring Clamp	Black	163-9345	5.80	5.49	5.08	4.51
293190-2	Spring Clamp	White	163-9346	5.80	5.49	5.08	4.51
293192-1	Screw	Black	163-9349	5.80	5.49	5.08	4.52
293192-2	Screw	White	163-9350	5.68	5.38	4.97	4.43
Panel Mount Plugs							
293191-1	Spring Clamp	Black	163-9347	5.80	5.49	5.08	4.51
293191-2	Spring Clamp	White	163-9348	5.80	5.49	5.08	4.51
293193-1	Screw	Black	163-9351	5.80	5.49	5.08	4.52
293193-2	Screw	White	163-9352	5.68	5.38	4.97	4.43

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

Housing Material Polyamide	Contact Material Copper Alloy	Contact Plating Tin	Current 5A	Voltage 600VAC			
					521696		
Price Each							
Mfrs. Part No.	No. of Ways	Order Code	1+	25+	50+	100+	500+
2008144-1	2	163-8711●	0.55	0.51	0.48	0.44	0.37
2008152-1	3	163-8712●	0.73	0.69	0.65	0.58	0.50

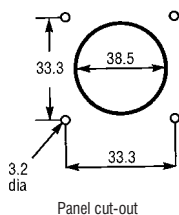
521696

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
Temperature Range -20°C to +70°C
Terminal type: Plug Screw Terminal
Panel Socket 4.8 x 0.8mm FASTON

Housing Black, glass filled nylon
Contacts Pin Brass, Nickel Plated
Socket Brass, Silver Plated

Mfrs. List No. PX0551 = 151-740 PX0552 = 151-741

209341

	Order Code	1+	50+	100+	250+	500+	1K+
Free Plug	151-740	5.62	5.24	5.01	4.71	4.51	4.31
Panel Socket	151-741	1.99	1.86	1.78	1.68	1.61	1.54

8 Pole 6A



Panel plug
H=41.3
W=41.3
D=12.8

Panel socket
H=41.3
W=41.3
D=15.7

Free socket
H=57.3
W=40.1
D=22 (mated)

- Non reversible 8 pole mains plug and sockets
- Outlets and inlets, cable or chassis mounting
- Allows safe interconnect of equipment at mains voltages
- 1 chassis and 1 flex mounting, male and female types
- Suitable for lighting, audio, heating and general industrial applications
- 'Touchproof' contacts to EN60065
- Mates with PX0551/0552

Contact rating (per pin) 6A, 250V ac (per pin)

Temperature Range -20°C to +70°C

Termination Free socket: Screw Terminal

Panel socket: 4.8 x 0.8mm FASTON

Panel plug: Solder Bucket

Housing Black nylon GF

Contacts Free socket: Brass, Tin Plated

Panel socket: Brass, Tin Plated

Panel plug: Turned brass, tin plated

PX0956/S = 977-937

PX0957/S = 977-950

PX0959/P = 840-6820

209224

Type	Order Code	1+	50+	100+	250+	500+	1K+
Free socket	977-937	6.72	6.26	5.75	5.31	5.01	4.62
Panel Socket	977-950	2.73	2.55	2.31	2.11	1.99	1.83
Panel Plug	840-6820	4.23	3.39	3.00	2.63	2.56	2.44

Sealed

3 Pole Connectors
RST 2013 series

1618940

1618942

1618944

1618947



1618948

1618949

1618950

1618951

- 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



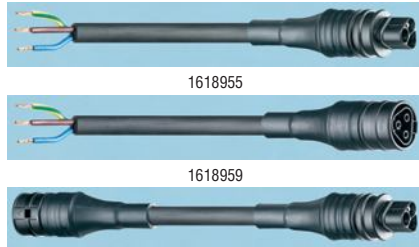
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Mfrs. List No.	Cable Ø	Order Code	1+	10+	50+	100+
Cable Connectors - Sockets						
96.031.4053.1	6 - 10 mm	161-8940	3.67	3.42	3.27	3.09
96.031.4153.1	10 - 14 mm	161-8941	3.67	3.42	3.27	3.09
Cable Connectors - Plugs						
96.032.4053.1	6 - 10 mm	161-8942	3.67	3.42	3.27	3.09
96.032.4153.1	10 - 14 mm	161-8943	3.67	3.42	3.27	3.09
Splitter Sockets						
			1+	10+	50+	100+
96.031.4253.1	6 - 10 mm	161-8944	7.55	7.02	6.72	6.33
96.031.4353.1	10 - 14 mm	161-8946	7.55	7.02	6.72	6.33
Mfrs. List No.	Feedthrough Ø		1+	10+	50+	100+
Appliance Connectors - Sockets						
96.031.5053.1	M25	161-8947	4.26	3.99	3.74	3.45
96.031.6053.1	M20	161-8948	4.88	4.56	4.27	3.95
Appliance Connectors - Plugs						
96.032.5053.1	M25	161-8949	4.26	3.99	3.74	3.45
34.399.1536.1	M20	161-8950	4.88	4.56	4.27	3.95

Mftrs. List No.	Cable Length	Order Code	1+	10+	50+	100+
Plug - Free-end						
96.232.1034.1	1m	161-8955	7.42	6.92	6.51	6.00
96.232.3034.1	3m	161-8956	11.96	11.17	10.47	9.66
96.232.5034.1	5m	161-8958	16.49	15.40	14.43	13.33
Socket - Free-end						
96.232.1033.1	1m	161-8959	7.42	6.92	6.51	6.00
96.232.3033.1	3m	161-8960	11.96	11.17	10.47	9.66
96.232.5033.1	5m	161-8961	16.49	15.40	14.43	13.33
Plug - Socket						
96.232.1030.1	1m	161-8962	9.18	8.57	8.03	7.41
96.232.3030.1	3m	161-8963	13.71	12.80	12.00	11.07
96.232.5030.1	5m	161-8964	18.27	17.05	15.99	14.76

3 Pole Cables

RST 20i3 series



wieland

New

- 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

525108

5 Pole Connectors

RST 20i5 series



wieland

New

- 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

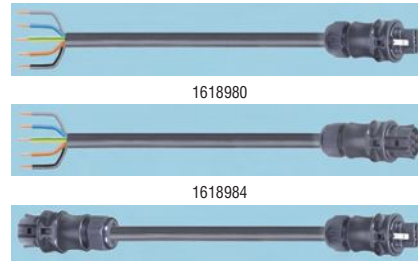
Mftrs. List No.	Cable Ø	Order Code	1+	10+	50+	100+
Cable Connectors - Sockets						
96.051.4053.1	6 - 10 mm	161-8965	8.69	8.11	7.60	7.01
96.051.4153.1	10 - 14 mm	161-8966	8.69	8.11	7.60	7.01
Cable Connectors - Plugs						
96.052.4053.1	6 - 10 mm	161-8967	8.69	8.11	7.60	7.01
96.052.4153.1	10 - 14 mm	161-8968	8.69	8.11	7.60	7.01
Splitter Sockets						
96.051.4253.1	6 - 10 mm	161-8971	18.05	16.85	15.79	14.58
96.051.4353.1	10 - 14 mm	161-8972	18.05	16.85	15.79	14.58
Mftrs. List No.	Feedthrough Ø		1+	10+	50+	100+

525122

Mftrs. List No.	Cable Length	Order Code	1+	10+	50+	100+
Appliance Connectors - Sockets						
96.051.5053.1	M25	161-8973	7.37	6.88	6.46	5.96
96.051.6053.1	M20	161-8974	8.36	7.81	7.32	6.75
Appliance Connectors - Plugs						
96.052.5053.1	M25	161-8975	7.37	6.88	6.46	5.96
96.052.6053.1	M20	161-8976	8.36	7.81	7.32	6.75
Distribution Block, with locking levers						
96.050.0153.1		161-8977	57.71	53.87	50.51	46.61
Plug Cover						
99.532.0000.7		161-8978	3.36	3.14	2.94	2.71
Socket Cover						
99.530.0000.7		161-8979	3.36	3.14	2.94	2.71

5 Pole Cables

RST 20i5 series



wieland

New

- 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

Mftrs. List No.	Cable Length	Order Code	1+	10+	50+	100+
Plug - Free-end						
96.232.1034.1	1m	161-8955	7.42	6.92	6.51	6.00
96.232.3034.1	3m	161-8956	11.96	11.17	10.47	9.66
96.232.5034.1	5m	161-8958	16.49	15.40	14.43	13.33
Socket - Free-end						
96.232.1033.1	1m	161-8959	7.42	6.92	6.51	6.00
96.232.3033.1	3m	161-8960	11.96	11.17	10.47	9.66
96.232.5033.1	5m	161-8961	16.49	15.40	14.43	13.33
Plug - Socket						
96.232.1030.1	1m	161-8962	9.18	8.57	8.03	7.41
96.232.3030.1	3m	161-8963	13.71	12.80	12.00	11.07
96.232.5030.1	5m	161-8964	18.27	17.05	15.99	14.76

Superseal 1.5 Series

Tyco Electronics



- A series which meets the need of the electrical connection field
- Fulfills the requirements prescribed by various automotive and industrial standards
- Can be connected with existing components and devices used in the automotive industry
- Sturdy and reliable contacts
- A combination of housing, wire seal and contacts
- IP67 rated, exceeds the requirements prescribed by IEC 529 and DIN40050

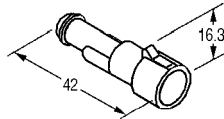
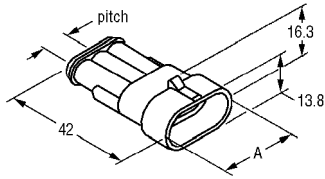
Receptacle Contact		Tab Contact	
Material	Phosphor bronze, tin plated	Material	Brass, tin plated
Current rating	14A max.	Current rating	14A max.
Wire range	1.4-1.7mm (insulation dia.) 22-20AWG 1.8-3.3mm (insulation dia.) 20-16AWG	Wire range	1.4-1.7mm (insulation dia.) 22-20AWG 1.8-3.3mm (insulation dia.) 20-16AWG
Connectors		Material (housing and secondary lock)	
Dielectric withstand voltage	1500Vrms	Sealing	Polyamide 6.6 GF
Insulation resistance	2000Mohm		Silicon rubber
Temperature Range	-40°C to +125°C		
Wire Seals			
Material	Silicon rubber		

227358



Sealed - continued

Tab Connectors

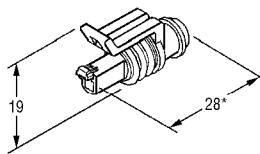
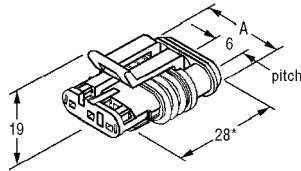


Connectors		Temperature range		Material (housing and secondary lock)		-40°C to +125°C	
Dielectric withstand voltage		1500Vrms		Polyamide 6.6 GF		Silicon Rubber	
Insulation resistance		200MΩ		Sealing			
No. of Ways	Mfrs. List No.	Dimension A(mm)	Wire Seal	Wire dia.(mm)	Order Code		
1	282103-1	13.8	281934-4	1.4-1.7	150-642		
2	282104-1	19.8	281934-2	1.8-2.4	150-654		
3	282105-1	25.8	281934-2	1.8-2.4	150-678		
4	282106-1	31.8	281934-3	2.6-3.3	150-680		
5	282107-1	37.8	281934-3	2.6-3.3	150-885		
6	282108-1	43.8	281934-3	2.6-3.3	150-897		

209254

No. of Ways	Mfrs. List No.	Order Code	5+	50+	100+	500+	1K+
1	282103-1	150-642●	0.33	0.30	0.29	0.28	0.27
2	282104-1	150-654●	0.68	0.63	0.60	0.58	0.55
3	282105-1	150-678●	0.77	0.69	0.66	0.63	0.60
4	282106-1	150-680●	0.77	0.69	0.66	0.63	0.61
5	282107-1	150-885●	0.80	0.72	0.69	0.66	0.64
6	282108-1	150-897●	0.86	0.79	0.75	0.71	0.69

Plug Connector

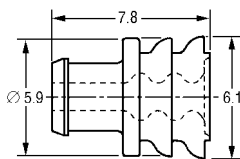


No. of Ways	Mfrs. List No.	Dimension A(mm)	Wire Seal	Wire dia.(mm)	Order Code		
1	282079-2	9.3	281934-4	1.4-1.7	150-393		
2	282080-1	15.3	281934-2	1.8-2.4	150-400		
3	282087-1	21.3	281934-2	1.8-2.4	150-423		
4	282088-1	27.3	281934-3	2.6-3.3	150-435		
5	282089-1	33.3	281934-3	2.6-3.3	150-447		
6	282090-1	39.3	281934-3	2.6-3.3	150-472		

209255

Order Multiple=5		Price Each					
Ways	List No.	Order Code	5+	50+	100+	500+	1K+
1	282079-2	150-393●	0.52	0.48	0.46	0.45	0.43
2	282080-1	150-400●	0.53	0.49	0.47	0.45	0.44
3	282087-1	150-423●	0.54	0.50	0.48	0.46	0.44
4	282088-1	150-435●	0.52	0.48	0.47	0.42	0.41
5	282089-1	150-447●	0.81	0.73	0.70	0.67	0.65
6	282090-1	150-472●	1.04	0.96	0.92	0.88	0.85

Wire Seal



- Seals shaped for ease of insertion in the cavity
- Collar in crimping area provides excellent strain on the terminals
- Suitable for wire with insulation diameter from 1.5 to 3.3mm

Wire Seal Material Silicon Rubber

209256

Colour	Mfrs. List No.	Order Code	10+	50+	100+	500+	1K+
Wire Seal							
Green	281934-4	150-915●	0.057	0.052	0.048	0.041	0.036
Red	281934-3	150-964●	0.080	0.073	0.067	0.062	0.057
Contacts							
Pin 22-20 AWG	183036-1	151-038●	0.101	0.093	0.085	0.075	0.067
Pin 20-15 AWG	183024-1	151-040●	0.088	0.080	0.072	0.064	0.056
Skt 22-20 AWG	183035-1	151-063●	0.101	0.096	0.091	0.086	0.080
Skt 20-15 AWG	183025-1	151-075●	0.104	0.098	0.084	0.078	0.067
Crimp Tool			1+				
Pro Crimp	85883-1	151-087	119.840				

SDE Die and Tooling options available see Page 1625

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	1+	5+	10+
Cable Grip 10mm-14mm						
Black	25mm ²	SNLF-S-C25-25S-BK	139-0196●	30.28	27.31	25.32
Blue	25mm ²	SNLF-S-C25-25S-BL	139-0197●	30.28	27.31	25.32
Brown	25mm ²	SNLF-S-C25-25S-BN	139-0198●	29.83	26.91	24.95
Grey	25mm ²	SNLF-S-C25-25S-GY	139-0201●	30.28	27.31	25.32
Cable Grip 10mm-14mm						
Black	35mm ²	SNLF-S-C35-25S-BK	139-0202●	30.28	27.31	25.32
Blue	35mm ²	SNLF-S-C35-25S-BL	139-0203●	30.28	27.31	25.32
Brown	35mm ²	SNLF-S-C35-25S-BN	139-0204●	30.28	27.31	25.32
Cable Grip 13mm-18mm						
Black	50mm ²	SNLF-S-C50-25L-BK	139-0207●	29.83	26.91	24.95
Blue	50mm ²	SNLF-S-C50-25L-BL	139-0208●	29.83	26.91	24.95
Green	50mm ²	SNLF-S-C50-25L-GN	139-0210●	29.83	26.91	24.95

Free Plug

Colour	Contact Wire Size	Mfrs. List No.	Order Code	1+	5+	10+
Cable Grip 10mm-14mm						
Black	25mm ²	SNLM-P-C25-25S-BK	139-0213●	34.10	30.76	28.52
Blue	25mm ²	SNLM-P-C25-25S-BL	139-0214●	33.60	30.30	28.10
Brown	25mm ²	SNLM-P-C25-25S-BN	139-0215●	33.60	30.30	28.10
Grey	25mm ²	SNLM-P-C25-25S-GY	139-0217●	34.10	30.76	28.52
Cable Grip 13mm-18mm						
Black	50mm ²	SNLM-P-C50-25L-BK	139-0224●	34.10	30.76	28.52

Panel Socket - M12 Threaded Post

Colour	Mfrs. List No.	Order Code	1+	5+	10+
Black	SNPF-S-TP-BK	139-0229●	30.17	27.21	25.23
Blue	SNPF-S-TP-BL	139-0230●	30.17	27.21	25.23
Green	SNPF-S-TP-GN	139-0232●	30.17	27.21	25.23
Grey	SNPF-S-TP-GY	139-0233●	30.17	27.21	25.23

Panel Plug - M12 Threaded Post

Colour	Mfrs. List No.	Order Code	1+	5+	10+
Black	SNPM-P-TP-BK	139-0234●	32.07	28.94	26.83
Blue	SNPM-P-TP-BL	139-0236●	32.07	28.94	26.83
Brown	SNPM-P-TP-BN	139-0237●	32.07	28.94	26.83
Grey	SNPM-P-TP-GY	139-0239●	31.60	28.51	26.43

476057

Crimp Tool	Order Code	Price Each
C130 CRIMP TOOL AND DIES	139-0241	1,294.13

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www.electronicdesignworld.com

Lemo - High Power Connectors

Lemo High Power



- Locking ring on plug



Operating Voltage	2.8kV rms	5.0kV rms	5.5kV rms	10kV rms
Operating Voltage DC	4 kV dc	7 kV dc	8 kV dc	15 kV dc
Contact Dia	0.9mm	1.3mm	2.0mm	1.3mm
Rated Current	4A	8A	10A	8A
AWG Max Solid	20	18	14	16
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			

232088

Operating Voltage	Mfrs. List No.	Order Code	1+	5+	10+	50+	100+
Free Plug							
2.8kV	FFB.0S.403.CLAC42	381-8019 ●	14.85	13.63	12.61	11.73	11.14
5.0kV	FFB.1S.405.CLAC57	381-8020 ●	17.77	16.32	15.08	14.02	13.33
5.5kV	FFB.2S.408.CLAC62	381-8032 ●	26.72	24.54	22.69	21.09	20.03
10kV	FFB.3S.415.CLAC62	381-8044 ●	43.28	39.73	36.76	34.18	32.46
Panel Socket							
2.8kV	ERA.0S.403.CLL	381-8056 ●	11.67	10.73	9.93	9.21	8.76
5.0kV	ERA.1S.405.CLL	381-8068 ●	16.16	14.84	13.73	12.76	12.13
5.5kV	ERA.2S.408.CLL	381-8070 ●	24.63	22.61	20.91	19.44	18.45
10kV	ERA.3S.415.CLL	381-8081 ●	40.09	36.83	34.04	31.66	30.08

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.

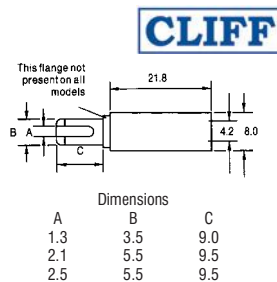
Contact rating 5A @ 12V (1, 1.3mm) Contacts Brass, Nickel Silver plated
 Temperature range 0°C to +70°C Termination Solder
 Housing Black ABS

227485

Plugs



Hole Dia. of 1.3, 2.1 and 2.5mm



227489

10 Per Pack	Hole Dia	Order Code	1+	10+	25+	50+	100+
	1.3	224-911 ●	5.13	5.01	4.87	4.72	4.36
	2.1	224-923 ●	3.58	3.51	3.42	3.30	3.05
	2.5	224-935 ●	4.00	3.82	3.60	3.48	3.27

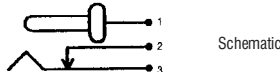
Chassis Mounting Sockets

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,



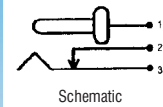
209037

10 Per Pack	Order Code	1+	10+	25+	50+	100+
Screw mount	113-7744 ●	8.05	7.53	6.62	5.81	5.48
Flange fixing	224-972 ●	4.24	4.04	3.84	3.65	3.49

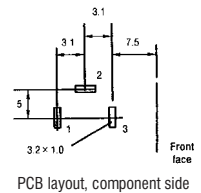
PCB Mounting Sockets



H=5.5, W=8.5, D=9.8
 Pin diameter=1.3



H=11.0, W=9.0, D=14.6
 Pin diameter=2.1/2.5



PCB layout, component side

209036

10 Per Pack	Order Code	1+	10+	25+	50+	100+
Pin Dia						
1.3	224-947 ●	5.32	5.06	4.79	4.62	4.37
2.1	224-959 ●	4.74	4.51	4.26	4.09	3.90
2.5	224-960 ●	4.95	4.71	4.45	4.28	4.07

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 4mm	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

STEL517 / 239699

Type	Typ	Order Code	1+	10+	50+	100+
JSAP1	1636 01	121-6982 ●	0.70	0.61	0.55	0.46
JSAP2	1636 02	120-0128 ●	1.02	0.90	0.84	0.75
JSAP3	1636 03	121-6984 ●	0.82	0.74	0.63	0.55
JSBP4	1636 04	121-6985 ●	0.93	0.82	0.72	0.63
JSBP5	1636 05	121-6986 ●	1.06	0.82	0.76	0.68

Sockets, PCB and Panel Mount

NEB Series



NEB1

NEB21R

NEB/J21
NEB/J25NEB/J21R
NEB/J25R

Rated current: 1A @ 12V

STEL065 / 239690

Mfrs. List No.	Central Pin	Order Code	1+	10+	25+	50+	100+	500+
Solder Termination								
NEB1L	1.9	121-7036 ●	0.76	0.69	0.66	0.63	0.58	
NEB/J21L	2	121-7038 ●	0.31	0.29	0.26	0.25	0.22	
NEB/J25L	2.35	121-7040 ●	0.31	0.29	0.25	0.24	0.21	
PCB Versions								
NEB21RL	1.95	121-7037 ●	0.28	0.26	0.25	0.23	0.22	
NEB/J21RL	1.9	121-7039 ●	0.42	0.38	0.36	0.35	0.31	
NEB/J25R	2.35	120-0151 ●	0.42	0.39	0.36	0.35	0.31	



40,000 PRICES REDUCED



Low Voltage DC Power Connectors - continued

Plugs NES Series



NES1 NES/J135 NES/J210

Rated current: 1A @ 12V

STEL064 / 239351

Mfrs. List No.	Order Code	1+	10+	50+	100+	500+
NES 1	121-7031●	0.490	0.440	0.410	0.370	0.360
NES/J 135	121-7032●	0.450	0.420	0.380	0.370	0.340
NES/J 210	121-7034●	0.270	0.260	0.220	0.192	0.191
NES/J 25	120-0147●	0.320	0.310	0.280	0.270	0.260
NES/J 250	120-0149●	0.250	0.230	0.210	0.200	0.165
NES/J 250	121-7035●	0.340	0.330	0.310	0.290	0.270

Chassis Mounted Sockets



1614 14/15



1614 09 / 10

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



Mfrs. list no.	DC voltage	Dimensions, shaft	Order Code
1614 05	18V - 18V	1.45mm	121-6987
1614 09	12V	central, 5,7 x 2,0mm	124-3246
1614 10	VV	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

STEL516 / 239708

Mfrs. List No.	Order Code	1+	10+	50+	100+
1614 05	121-6987●	1.16	0.93	0.87	0.76
1614 09	124-3246●	0.50	0.45	0.40	0.38
1614 10	124-3247●	0.50	0.45	0.40	0.38
1614 14	124-3248●	1.78	1.58	1.43	1.34
1614 15	124-3249●	1.78	1.58	1.43	1.34

Sockets, PCB Series 1613



1613 14



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	6.3V-6.3V	1.65mm x 4.4mm	121-6990
4	1613 07	10.5V-10.5V	1.65mm x 5.15mm	120-0129
1613 14	12	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	1+	10+	50+	100+
JSAJ1	1613 03	121-6988●	0.73	0.59	0.54	0.48
JSAJ2	1613 04	121-6989●	0.77	0.62	0.57	0.48
JSAJ2	1613 05	121-6990●	0.72	0.58	0.53	0.47
JSAJ3	1613 07	120-0129●	0.86	0.70	0.64	0.56
JSBJ4	1613 09	121-6991●	1.17	0.92	0.74	0.66
JSBJ4	1613 10	121-6992●	0.56	0.46	0.41	0.36
JSBJ5	1613 11	121-6993●	0.87	0.71	0.66	0.57
-	1613 14	124-3245●	0.61	0.53	0.47	0.45

FOR MORE INFORMATION & CHOICE

Product Search

Low Voltage Connectors



RoHS Compliant Items Only | Advanced Search

DIN ISO 4165 Plug - Universal

PRO-CAR



L=83, Dia.=25

209129

- 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

Type	Mfrs. List No.	Order Code	1+	10+	25+	50+
Unfused 8A	57716000	658-364	3.15	2.99	2.86	2.61
Fused 8A	57715000	658-376	3.40	3.21	3.11	2.79

Universal Plug to Bared Ends DIN ISO 4165

PRO-CAR



- 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	1+	10+	25+	50+
Flat, fused 8A	57717001	658-406	15.06	14.65	13.75	12.71

12 Volt Connectors



12 N Plug

- Suitable for 12Vdc automotive systems
- 12N plug and socket conforms to DIN 72577 and ISO 1724
- 12S plug and socket conforms to ISO 3732

227360

12 volt N type plug	Order Code	1+	10+	25+	50+
	892-312	2.79	2.66	2.30	1.98

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