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In stock and ready to despatch, 300,000 products in our Asia, US and Europe warehouses.

300,000 products at your fingertips

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Can't find the product you are looking for?

10

Connectors - Power & Mains
Connectors - Power & Mains

**Mains Plugs**
- Automatic cord grip
- Captive fixing screw and terminals
- Fuse Supplied: 3A, 13A
- Manufacturer: ASTA, BS1363: 1984
- White urea formaldehyde
- Sheeled brass pins, phosphor bronze fuse clips
- Box qty: 10

*Safetyplug™* Anti-tamper security screw prevents unauthorised access

**UK Mains Plugs**

<table>
<thead>
<tr>
<th>Fuse Rating</th>
<th>Order Code</th>
<th>1+</th>
<th>10+</th>
<th>50+</th>
<th>100+</th>
<th>Price Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>3A</td>
<td>269-098</td>
<td>6.93</td>
<td>6.32</td>
<td>6.00</td>
<td>5.82</td>
<td>– – – –</td>
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<tr>
<td>13A</td>
<td>107-754</td>
<td>7.32</td>
<td>6.74</td>
<td>6.23</td>
<td>5.74</td>
<td>– – – –</td>
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<tr>
<td>Security Screw</td>
<td>107-755</td>
<td>1.80</td>
<td>1.73</td>
<td>1.67</td>
<td>1.28</td>
<td>– – – –</td>
</tr>
<tr>
<td>Security screw key</td>
<td>107-784</td>
<td>3.00</td>
<td>2.81</td>
<td>2.49</td>
<td>– –</td>
<td>– – – –</td>
</tr>
</tbody>
</table>

Prices are in Singapore Dollars and exclusive of GST. Due to the volatile nature of certain products, prices are subject to change without notice.
Urea/Nylon

- Integral cord grip
- Fused and with shrouded pins

Fuse Supplied
ASTA, BS1363A: 1984
Manufactured to
Housing Urea, nylon (top)
Contacts Sleeved brass pins, phosphor bronze fuse clips

<table>
<thead>
<tr>
<th>Rating</th>
<th>Order Code</th>
<th>Price Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>3A</td>
<td>964-396</td>
<td>2.15</td>
</tr>
<tr>
<td>5A</td>
<td>964-402</td>
<td>2.13</td>
</tr>
<tr>
<td>13A</td>
<td>964-414</td>
<td>2.32</td>
</tr>
</tbody>
</table>

Unused Africa & Asia

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

Mains Plug/Adaptor

- Sleeved adapter/plug available in 3A, 7A and 13A ratings
- Incorporates a solid-state transient suppressor and EMI filter to protect sensitive electronic equipment against interference on the mains supply
- Approved to BT Mains Protector 1A3

Voltage Rating 230VAC, 50Hz
Maximum Surge Current
Maximum Surge Response Time
Total energy rating
Operating Temperature

Filter Adaptors

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>3A Rating</td>
<td>151-317</td>
<td>FP3-BOW</td>
<td>151-318</td>
<td>FP7-BOW</td>
<td></td>
</tr>
<tr>
<td>7A Rating</td>
<td>151-318</td>
<td>FA3-BOW</td>
<td>150-220</td>
<td>FA7-BOW</td>
<td></td>
</tr>
<tr>
<td>13A Rating</td>
<td>151-319</td>
<td>FP13-BOW</td>
<td>151-319</td>
<td>FA13-BOW</td>
<td></td>
</tr>
</tbody>
</table>

Mains Style Filters

- Available until stocks are exhausted

Nylon with Handle

- Large integral handle
- Scuff resistant
- Easy to wire

Fuse Supplied
ASTA, BS1363A: 1984
Manufactured to
Housing Nylon
Contacts Sleeved brass pins, phosphor bronze clips

<table>
<thead>
<tr>
<th>Colour</th>
<th>Order Code</th>
<th>Price Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red</td>
<td>240-539</td>
<td>5.54</td>
</tr>
</tbody>
</table>

**Contacts**

- Sleeved brass pins, phosphor bronze fuse clips

**Dimensions**

- H = 92, W = 64, D = 64
- Weight: 209325

**Specifications**

- Response time
- Voltage Rating 230VAC, 50Hz
- Maximum Surge Current
- Maximum Surge Response Time
- Total energy rating
- Operating Temperature

**Warranty**

- Lifetime product warranty
- 1+ 10+ 50+ 100+ +

**Contact Information**

Sales Tel: (65) 6788 0200
300,000 products, stocked and ready to despatch
**Connectors - Power & Mains**

### Home/Office Grade

- 5, 4 and single way surge protected sockets
- Ideal entry level protection for computers, printers and other sensitive electronics in the home or office
- Mastercube is perfect for laptop computers
- Connected equipment warranty

**Maximum Surge Current**
- 39000A (F5C208U2-TEL)
- 27000A (F5C205U2-TEL)

**Energy Rating**
- 1544J (F5C208U2-TEL)
- 135J (F5C205U2-TEL)

**Response time**
- ≤1ns

**Rating**
- 13A@230Vac

**Maximum Load**
- 13A

**Voltage Rating**
- 230Va, 50Hz

**Price**
- Order
- Code

<table>
<thead>
<tr>
<th>Lead Length</th>
<th>Mfrs. List No.</th>
<th>Order Code</th>
<th>Price Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 Metres</td>
<td>FSC208U4-TEL3</td>
<td>335-8504</td>
<td>102.82</td>
</tr>
<tr>
<td>2 Metres</td>
<td>FSC208U4AV-TEL3</td>
<td>335-8516</td>
<td>114.25</td>
</tr>
</tbody>
</table>

- Fits UK 3 Pin Mains Socket

### 4 and 6 Way In-Line Commercial

- Distribution boards designed to protect computers and sensitive electronic equipment against both incoming and outgoing voltage spikes and surges.
- Manufactured to BS6396. Flame retardant case with pilot lamp and 13A fuse
- Supplied with 2m of cable and a 13A sleeved 3 pin mains plug to BS1363
- Thermal overload protection

**Rating**
- 13A@230V

**Total Energy Rating**
- 720J (F5C205U2)

**Response time**
- ≤1ns

**Mfrs. List No.**
- AP423=218-716

**Price**
- Order
- Code

<table>
<thead>
<tr>
<th>Lead Length</th>
<th>Mfrs. List No.</th>
<th>Order Code</th>
<th>Price Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 Metres</td>
<td>FSC204U4-TEL3</td>
<td>335-8504</td>
<td>102.82</td>
</tr>
<tr>
<td>2 Metres</td>
<td>FSC204U4AV-TEL3</td>
<td>335-8516</td>
<td>114.25</td>
</tr>
</tbody>
</table>

- Fits UK 3 Pin Socket

### Residual Current Devices (RCDs)

**RCD Adaptors**

- Portable adaptors detect dangerous earth leakage and automatically disconnect both live and neutral, leaving earth connection intact
- Ideal for edge trimmer, lawn mower, power tools, etc.
- CB006 tested to IP44

**Rated Trip Current**
- 30mA

- **Voltage Rating**
  - 230V ac, 50Hz

**Price**
- Order
- Code

<table>
<thead>
<tr>
<th>Mfrs. List No.</th>
<th>Order Code</th>
<th>Price Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>835-5876</td>
<td>19.76</td>
<td>18.59</td>
</tr>
<tr>
<td>835-5884</td>
<td>42.09</td>
<td>38.31</td>
</tr>
</tbody>
</table>

- **Order Price Each**
  - 1+ 3+ 10+ 25+

### RCD Plug and Adaptor

- Provides earth fault protection for portable equipment
- Independently tested to BS7071 (1992)

**Voltage Rating**
- 230Vac, 50Hz

**Maximum Load**
- 13A

**Trip Current**
- 30mA max.

**Trip Time**
- 40ms max.

**Price**
- Order
- Code

<table>
<thead>
<tr>
<th>Mfrs. List No.</th>
<th>Order Code</th>
<th>Price Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>698-283</td>
<td>55.05</td>
<td>51.33</td>
</tr>
<tr>
<td>668-130</td>
<td>45.33</td>
<td>42.27</td>
</tr>
</tbody>
</table>

- **Order Price Each**
  - 1+ 5+ 10+ 25+

**Prices**

- In Singapore Dollars and exclusive of GST
- Prices subject to change without notice
RCD Plug and Adaptor

- RCD Plug and adaptor to provide earth fault protection
- Plug (540-500) is as easy to wire as a standard plug
- Adaptor (540-511) can be moved to protect various pieces of equipment

**Voltage Rating**
- 240V/50Hz
- 30mA

**Maximum Load**
- 16A

**Contact Rating**
- Plug 15A/125V
- Socket 15A/125V

**Body**
- Black bakelite

**Panels**
- 50+ x 50+ x 50mm

**Order Code**
- 540-500
- 540-511

**Price Each**
- 1+ 5+ 10+ 25+

In-line IP65 Sealed

- A heavy duty 16A in-line RCD unit providing double pole protection, for use in wet or dirty environments where rough handling is expected.
- Sealed to IP65, the unit is supplied with 0.3m of 1.5mm² cable on the input and 0.6m of 1.5mm² cable on the output. Plugs, sockets or connectors of the same IP rating must be used to maintain IP65 integrity.

**Order Code**
- 287-155

**Price Each**
- 1+ 5+ 10+ 25+

International Mains Plugs

**Europe, Schuko Plug**

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

**Terminals**
- 3x1.5mm² screw

**Colour**
- White
- Black

**Order Code**
- 120-7923
- 120-7925

**Price Each**
- 1+ 50+ 200+ 400+

**Europe, 2 Pin Free Plug and Panel Sockets**

**Current Rating**
- 16A

**Terminals**
- 3x1.5mm² screw

**Contact Rating**
- Plug 15A/125V
- Socket 15A/125V

**Body**
- Black bakelite

**Panels**
- 20.5 x 11.5 x 5.5

**Order Code**
- 561-368
- 561-370
- 561-381

**Price Each**
- 1+ 50+ 200+ 400+

Adaptors

**Mains Adaptor (13A)**

- 2-way and 3-way insulated pin main adaptors.
- 13 Amp 250V. Shrouded pins. Manufactured to B.S.5733.

**Type**
- 2-way unfused
- 2-way fused
- 3-way fused

**Order Code**
- 507-8155
- 507-8167
- 507-8179

**Price Each**
- 1+ 3+ 2.5+ 2.9+ 4.7+ 4.52

RCD Plug and Adaptor

- Fits UK 3 Pin Mains Socket

**Euro Smart Fuses**

- 5A fuse protection.

**Order Code**
- 2029/WS
- 120-7923
- 120-7925

**Price Each**
- 1+ 5+ 10+ 25+

Connectors - Power & Mains

**Warning:** Only suitable for use with correct mating socket. Equipment Safety Regulations 1975.
Connectors - Power & Mains

**Sealed IP68 - 16A**

**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
- Cable dia. 6 - 8
- Max. wire size 1mm²
- Temperature range -20°C to +70°C
- Mfrs. List No. P007779 = 257-825
- 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).

**In Line Lead Connectors**

**Aqua-Safe**
- Superior sealing to IP68
- For pools, ponds, fountains, etc.
- Supplied with full assembly instructions

**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

**Current**
- wide range
- Tested to IP68 rating at 5 bar
- Compact design complete with mounting kit

**Prices**
- Mfrs. List No. 328-2879
- Order Code 328-2879
- Price Each
- 1 + 10+ 25+ 50+
- Black 18.83 16.15 14.48 11.46
- Orange 23.79 21.41 19.10

---

**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

**Current Rating**
- 16A

**Size**
- Case Material: Polypropylene

**Temp. Range**
- -20°C to +110°C

**Price**
- Mfrs. Order Code 5+ 10+ 25+
- THB:404-A2A+THB:404.B2A
- 117-9669 33.23 29.48 22.63

---

**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**
- Includes: SEMKO, DEMKO, NMKO and SEV

**Poles**
- Max. V: 450V

**Dimensions**
- Cable dia. max. 6mm

**Max. Wire**
- Size (mm²): 10A

**Price**
- Mfrs. List No. Order Code 1+ 5+ 10+ 25+
- 117-9969 18.90 17.44 15.44
- 117-9970 26.44 23.98 20.90

---

**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**
- Insert: Brass(Screw terminal)

**Moulded rubber sleeves**
- 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.

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**Prices**

- In Singapore Dollars and exclusive of GST.

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For more information, visit Farnell Connectors - Power & Mains.
Connectors - Power & Mains

Mains Distribution Boards

DB2000 Modular Distribution System
- Comprehensive range of interconnecting modules
- Mains Multiple Units (MMU), System Conditioning Units (SCU) Data Multiple Units (DMU)
- Comply to BSS733 and relevant clauses of BS5396 (up to 6 gang)
- Unique tough fully insulated aluminium construction
- Daisy chain capability using ST18 16A interconnection system
- Sliding and locker jumper retention system. Integral safety shutter
- Smart green neon indicator permits insulation safety tests in situ
- Screw terminal for external earth bonding
- Easy fitment with quick clip-on feet
- ASTA approved license No. 272
- Require connecting power lead or interconnecting lead
- Approved to German RWTUV

Stand-alone operation

System operation

Mains Trailing Sockets

13A

<table>
<thead>
<tr>
<th>Colour</th>
<th>Mtrrs. List No.</th>
<th>Order Code</th>
<th>Max. Load</th>
<th>Contact Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black</td>
<td>FC133BLK</td>
<td>313-543</td>
<td>13A @ 250V</td>
<td>107.86</td>
</tr>
<tr>
<td>White</td>
<td>FC133WHI</td>
<td>313-555</td>
<td>13A @ 250V</td>
<td>158.51</td>
</tr>
<tr>
<td>Orange</td>
<td>FC133ORG</td>
<td>313-567</td>
<td>13A @ 250V</td>
<td>208.94</td>
</tr>
<tr>
<td>Twin</td>
<td>FC133BLK</td>
<td>313-579</td>
<td>13A @ 250V</td>
<td>260.40</td>
</tr>
</tbody>
</table>

15A Round Pin

<table>
<thead>
<tr>
<th>Colour</th>
<th>Mtrrs. List No.</th>
<th>Order Code</th>
<th>Max. Load</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black</td>
<td>FCT133BLK</td>
<td>150-799</td>
<td>15A @ 250V AC</td>
</tr>
<tr>
<td>White</td>
<td>FCT133WHI</td>
<td>150-800</td>
<td>15A @ 250V AC</td>
</tr>
<tr>
<td>Orange</td>
<td>FCT133ORG</td>
<td>150-801</td>
<td>15A @ 250V AC</td>
</tr>
</tbody>
</table>

Mains Multiple Units (MMU)

IEC320, French and German

- High quality shuttered IEC320 sockets
- Individual socket fusing @ 3.15A

<table>
<thead>
<tr>
<th>Height</th>
<th>Width</th>
<th>Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>37cm</td>
<td>16cm</td>
<td>11cm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Way</th>
<th>Order Code</th>
<th>Working Voltage</th>
<th>Max. System Load</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>750-347</td>
<td>240V</td>
<td>16A</td>
</tr>
<tr>
<td>3</td>
<td>750-359</td>
<td>240V</td>
<td>31A</td>
</tr>
<tr>
<td>4</td>
<td>750-360</td>
<td>240V</td>
<td>31A</td>
</tr>
<tr>
<td>5</td>
<td>750-372</td>
<td>240V</td>
<td>31A</td>
</tr>
</tbody>
</table>

Quicktest

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

<table>
<thead>
<tr>
<th>Colour Code</th>
<th>Order Code</th>
<th>Max. Load</th>
</tr>
</thead>
<tbody>
<tr>
<td>FC133BLK</td>
<td>313-543</td>
<td>13A 250V</td>
</tr>
<tr>
<td>FC133WHI</td>
<td>313-555</td>
<td>13A 250V</td>
</tr>
<tr>
<td>FC133ORG</td>
<td>313-567</td>
<td>13A 250V</td>
</tr>
<tr>
<td>FCT133BLK</td>
<td>150-799</td>
<td>15A 250V</td>
</tr>
</tbody>
</table>

Sales Tel: (65) 6788 0200

300,000 products, stocked and ready to despatch
10 Connectors - Power & Mains

**System Conditioning Unit (SCU)**

- 30mA RCD
- Double pole, 30mA sensitivity
- Double pole circuit break
- Mechanically latched RCD to BS4293
- Integral BS1362 fuseholder
- MOV transient suppression
- High performance RFI filtering

![Image of SCU components]

**RCD SCU Unit**

- Permits control/conditioning of mains power being fed to equipment
- Can be used as ‘lump in the line’ unit for direct equipment connection
- May be remotely mounted away from socket outlets

**Filter SCU Unit**

- Switch SCU Unit
- Double pole, 30mA sensitivity
- Double pole circuit break
- Mechanically latched RCD to BS4293
- Integral BS1362 fuseholder

**Accessories**

- Male/Female Jumper Lead
- RFI Filter
- Double Pole Switch
- Fixing Feet
- Lead and 13A Plug

**4 Way Slimline/13A**

- A compact, tamperproof, 4 way trailing socket
- Available in black or white, with 1m or 2m mains lead
- Fixing holes for wall mounting
- Total loading of 13 Amps
- Manufactured to BS1363A

**Variety of ST18 accessories available**

**Varities of ST18 accessories available**

**440 1,000s more products available at www.farnell-newarkinone.com.sg**

*Prices are in Singapore Dollars and exclusive of GST. Due to the volatile nature of certain products, prices are subject to change without notice.*
Max load 3120W FC4135/6,
Total current rating 13A@250Vac Cover FC4134
1m lead *13A - Yes Yes - 29 130 105 EXL4133W
Switched and  2m lead *13A Yes Yes Yes - 31 315 67 EXL136
Switched - Yes - Yes Yes 31 315 67 FC4136B
Fused 13A - - - Yes 31 315 67 FC4134B

Max. load 4600W

4 Way Individually Switched 13A
(with 3 Metre Lead and Plug)

- Two twin-switched 13A socket construction
- Red ‘mains-on’ neon indicator
- Moulded on 13A plug to BS1363A, 1984: ASTA approved
- Cable retention provided with black nylon compression gland
- ASTA approved

Total current rating 13A@250Vac (fused) Housing Blue, glass reinforced polyester case Twin socket polycarbonate
Max load 3120W
Mfrs. List No. MB413C/SW

Order Code | 1+ | 5+ | 10+ | 25+ | +
--- | --- | --- | --- | --- | ---
147-001 | 119.22 | 113.97 | 104.85 | 93.15 | ––

Fits UK 3 Pin Mains Socket

6 Way Individually Switched 20A

- Fitted with 6 switched 13A outlet sockets to BS1363A: 1984
- Red ‘mains-on’ neon indicator
- All insulated corrosion resistant base, earth bonded for maximum security

Total current rating 20A max @ 250Vac 4600W
Max load 3120W
Mfrs. List No. DB613C/SW

Order Code | 1+ | 5+ | 10+ | 25+ | +
--- | --- | --- | --- | --- | ---
112-58090 | 31.16 | 26.65 | 22.24 | 18.68 | ––

Striploc® 5 and 6 Way IEC

- A range of European most plug with multi-way outlets
- Black ABS moulding, incorporating IEC320 components
- IEC320 components approvals: BEAB/BSI, UL, CSA and VDE
- Common housing for 5 and 6 way
- 5 way unit has red ‘mains-on’ neon indicator
- Panel mount version has 6.35mm push-on tabs

Trailing/wall mounted
5 and 6 way - 2m lead and plug
H=40, W=228, D=58
Fixing centres up to 200, 04, 3.2 daP

Current rating 6A@250Vac (fused) 15A@250Vac (non-fused) Outlets Black nylon, UL1340-I

H=37, W=147, D=44

‘Quadbox’ 4 way IEC

- Compact distribution module
- 4 IEC 320 Class I unshuttered outlets
- Surface mounting
- Uses separate cordset, worldwide market appeal
- Available in black or white
- Approvals, UL & CSA

Contact rating 16A@250Vac Housing Polyamide 6 UL94V-0

H=39, W=147, D=44

Extension Leads – 2 Way

- Fitted with 6 switched 13A outlet sockets to BS1363A: 1984
- Red ‘mains-on’ neon indicator
- All insulated corrosion resistant base, earth bonded for maximum security

Total current rating 13A socket 20A max @ 250Vac 4600W
Max load 3120W
Mfrs. List No. DB613C/SW

Order Code | 1+ | 5+ | 10+ | 25+ | +
--- | --- | --- | --- | --- | ---
112-58090 | 31.16 | 26.65 | 22.24 | 18.68 | ––

Price Each

| Colour Code | 1+ | 5+ | 10+ | 25+ | +
--- | --- | --- | --- | --- | ---
Black | 112-58090 | 31.16 | 26.65 | 22.24 | 18.68 | ––

Sales Tel: (65) 6788 0200
300,000 products, stocked and ready to despatch
Connectors - Power & Mains

Mains Extension Leads

A range of extension reels by one of the world’s leading cable reel manufacturers.

- BS5733 kitemark
- CE marking
- Easy pull-out and wind-in feature
- Reels feature plugs and sockets to BS1363A and/or ASTA approval

Portable 13A, 4 Socket (Quadro)

- Unique 4 socket reel
- Two tone red and black high impact polycarbonate moulding
- Safety cut-out with push button reset on heavy duty reel
- Integral brake on handle prevents cable overrun, heavy duty reel
- Empty drum may be used to house other types of cable

Load (max) Thermal

<table>
<thead>
<tr>
<th>Type</th>
<th>Unwound</th>
<th>Wound</th>
<th>Cut-out</th>
<th>Fuse Supplied</th>
<th>Cable Size</th>
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</thead>
<tbody>
<tr>
<td>13A, 9m</td>
<td>3120W</td>
<td>1440W</td>
<td>N</td>
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<tr>
<td>13A, 25m</td>
<td>1680W</td>
<td>1680W</td>
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<td>13A, 50m</td>
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Current Cable Mfrs. Price Each

<table>
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<th>Rating</th>
<th>Length List No.</th>
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<th>5+</th>
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<tbody>
<tr>
<td>13A</td>
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<td>672-828</td>
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<td>600209</td>
<td>672-830</td>
<td>66.33</td>
<td>63.00</td>
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</table>

Fits UK 3 Pin Mains Socket

Heavy Duty 16A/110V

- Supplied with yellow cable
- Robust polycarbonate BS4343 IP44 connectors
- Ideal for contractors and maintenance engineers
- 25m has integral handle break

Load No. of Socket

<table>
<thead>
<tr>
<th>Type</th>
<th>Unwound</th>
<th>Wound</th>
<th>Cable Size</th>
<th>No. of Socket</th>
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<tr>
<td>16A, 14m</td>
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<td>1760W</td>
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<td>16A, 20m</td>
<td>1760W</td>
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Price Each

<table>
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<th>Rating</th>
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<th>Order Code</th>
<th>1+</th>
<th>5+</th>
<th>10+</th>
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<tr>
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<td>164.94</td>
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</table>

www.farnell-newarkinone.com.sg

1,000s more products available at www.farnell-newarkinone.com.sg

Prices are in Singapore Dollars and exclusive of GST. Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN  M = Magenta  Y = Yellow  B = Black/SING
Non UK, SCHUKO Style

- YDE approved plugs and sockets
- 10m rear enters TUV/ GS testing approval
- Safety cut-out with push button reset
- 40m reel has splash proof sockets, brake handle and neoprene sheath cable
- Conforms to IP44/IP67
- Suitable for 50/60Hz operation
- Tough polycarbonate body
- Keyway coded for non-interchangeable between voltages
- Colour coded system for voltage identification:
  - Non UK, SCHUKO Style

Features:
- 8035 PVC drum cable reel with steel frame 25M 240V 13A
- 8005 PVC drum cable reel with steel frame 25M 240V 13A
- 7035 Standard PVC cassette with handle 9M 110V 16A
- All models conform to BS4343, BS6500, BS4343
- Overload reset fitted on selected models
- Fitted with twin sockets
- Made in England
- Each terminal fitted with two screws for extra safe and secure connection
- 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
- Extends earth terminal for quick positive identification
- Flexible cable clamps to relieve stress on terminals
- Spring loaded covers to protect contacts when not in use
- Terminal screws left friction fit in open position for speedy wiring
- Calibrated pin contacts
- Calibrated sleeve contacts
- Self seal cable entry
- Spring loaded covers to protect contacts when not in use
- Spring loaded covers to protect contacts when not in use
- 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
- Each socket 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
- Soldering lug terminals
- Soldering lug terminals
- Soldering lug terminals
- Soldering lug terminals
- Soldering lug terminals
- Soldering lug terminals
- Soldering lug terminals

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

Connectors - Power & Mains

C = CYAN M = Magenta Y = Yellow B = Black/SING

Sales Tel: (65) 6788 0200
300,000 products, stocked and ready to despatch

443

Free Plug Straight

- 528-080
- 528-122
- 528-158

Common features:
- Calibrated pin contacts
- Cable clamps to relieve stress on terminals
- Contact I.P. Mftrs. Rating Rating List No. Price Each
- 110/130Vac Yellow 3 Pin 2 Pole + Earth 16A 4 Pin 3 Pole + Earth
- 220/250Vac Blue 3 Pin 2 Pole + Earth
- 380/415Vac Red 3 Pin 2 Pole + Earth
- 420Vac Red 5 Pin 4 Pole + Neutral + Earth

Free Sockets Straight

- 528-080
- 528-092
- 528-110
- 528-122
- 528-134

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

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
- 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

443
Free Plugs, IP44

- Conforms to BS4343, EN60639 1 & 2 and CEE17
- Long grommet clearly marked with cable diameter sizes for best fit

**Voltage & Number of Phases**

<table>
<thead>
<tr>
<th>Voltage (V)</th>
<th>Amps</th>
<th>Number of Phases</th>
<th>Order Code</th>
<th>Price Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>110V, 16A</td>
<td>2P+E</td>
<td>210304</td>
<td>72-2114</td>
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<td>2P+E</td>
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<td>72-2114</td>
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<tr>
<td>400V, 16A</td>
<td>3P+N+E</td>
<td>210306</td>
<td>716-1705</td>
<td>22.66</td>
</tr>
<tr>
<td>110V, 32A</td>
<td>2P+E</td>
<td>230304</td>
<td>716-1705</td>
<td>22.70</td>
</tr>
<tr>
<td>220V, 32A</td>
<td>2P+E</td>
<td>230306</td>
<td>716-1705</td>
<td>21.70</td>
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<tr>
<td>400V, 32A</td>
<td>3P+N+E</td>
<td>230304</td>
<td>716-1705</td>
<td>22.66</td>
</tr>
</tbody>
</table>

**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.

**Free Plugs, IP67**

- Conforms to BS4343, EN60639 1 & 2 and CEE17
- Fitted with locking ring and gasket
- Flared rear cable entry to reduce chafing

**Voltage & Amps**

<table>
<thead>
<tr>
<th>Voltage (V)</th>
<th>Amps</th>
<th>Number of Phases</th>
<th>Order Code</th>
<th>Price Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>110V, 16A</td>
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<td>843-6600</td>
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<td>3P+N+E</td>
<td>210306</td>
<td>843-6600</td>
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</table>

**Free Sockets, IP44**

- Conforms to BS4343, EN60639 1 & 2 and CEE17
- Fitted with spring loaded cover
- Long grommet clearly marked with cable diameter sizes for best fit

**Surface Sockets, IP44**

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

**Voltage & Amps**

<table>
<thead>
<tr>
<th>Voltage (V)</th>
<th>Amps</th>
<th>Number of Phases</th>
<th>Order Code</th>
<th>Price Each</th>
</tr>
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<tbody>
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<td>415V, 16A</td>
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<td>110306</td>
<td>716-2574</td>
<td>72.61</td>
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</tbody>
</table>

**Surface Sockets, IP67**

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

**Voltage & Amps**

<table>
<thead>
<tr>
<th>Voltage (V)</th>
<th>Amps</th>
<th>Number of Phases</th>
<th>Order Code</th>
<th>Price Each</th>
</tr>
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<tbody>
<tr>
<td>110V, 16A</td>
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<td>110304</td>
<td>72-2316</td>
<td>5.70</td>
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<tr>
<td>220V, 16A</td>
<td>2P+E</td>
<td>110305</td>
<td>72-2316</td>
<td>5.70</td>
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<tr>
<td>415V, 16A</td>
<td>3P+E</td>
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<td>5.70</td>
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<td>220V, 32A</td>
<td>2P+E</td>
<td>110306</td>
<td>716-2574</td>
<td>13.08</td>
</tr>
</tbody>
</table>

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.
Panel/Chassis Sockets
IP44

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

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 BS EN 6035-2 and BS 4343

Surface Appliance Inlets, IP44 Top Entry

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

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
- Radioclack

Wall mounted Combination Units
RCD, Non-Switched

- Supplied with 30mA/40ms rated RCD
- Expansion space available for Din-Rail mounted components MCB’s etc. as required

3 Way Long Plastic Box IP44

- 16A, 2P+E, complete with 2m cable, plug and handle
Connectors - Power & Mains

Quick Connect - BS4343

- UK Plug to Bare Ends
- 13A, 0.75mm² Cable
- 5A, 0.75mm² Cable
- 16A, 415V 3P+N+Earth
- 32A, 240V 2P+Earth

Mains Leads

- UK Plug to Bare Ends
- Colour coded voltage identification
- Approval to BS4343 IEC309
- UK plug to Open end
- 13Amp fully moulded plug
- 3-core (1.0mm²)
- Available in 2m, 3m or 5m lengths
- Black or White cable

Prices are in Singapore Dollars and exclusive of GST. Due to the volatile nature of certain products, prices are subject to change without notice.
13A Plug Lead, 2m/3m
Black, Grey or White

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

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

Current rating 10A @ 250v ac:
- Fuse supplied 13A (interchangeable)
- Cable and connector housings PVC
- 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. 356734

<table>
<thead>
<tr>
<th>Colour</th>
<th>Order Code</th>
<th>1+</th>
<th>25+</th>
<th>50+</th>
<th>100+</th>
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<tbody>
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<tr>
<td>Grey 2m</td>
<td>112-4374A</td>
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</tbody>
</table>

Fits UK 3 Pin Mains Socket

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IEC Socket to Bare Ends – 5A

Moulded 10A IEC 320 cold condition sockets to stripped, bare ends. Manufactured from 0.75mm² cable for equipment up to 5A. Note: Subject to design change.

<table>
<thead>
<tr>
<th>Description</th>
<th>Price Each</th>
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</thead>
<tbody>
<tr>
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<tr>
<td>Grey - 2m</td>
<td>4.30</td>
</tr>
</tbody>
</table>

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Right Angled IEC Socket to Bare Ends – 10A

Moulded right angled 10A IEC 320 cold condition sockets to stripped, bare ends. Manufactured from 1mm² cable for equipment up to 10A. Note: Subject to design change.

<table>
<thead>
<tr>
<th>Description</th>
<th>Price Each</th>
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<tbody>
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<td>8.45</td>
</tr>
<tr>
<td>White - 2m</td>
<td>5.79</td>
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</tbody>
</table>

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IEC Socket to Bare Ends, 2.5m

Non-re-wireable straight and right angled free sockets

- 2m or 3m cable, 3 core 0.75mm² or 1.0mm² stripped and bare PVC cable
- Lead meets BS4491.EN60.320
- Approved to BSI, VDE, IMO, SEMKO, NEMKO

Body length=77, 91 or 114, 51 right angle, Cable diameter=6-7.7mm, Free end stripped=38, Conductors bared=6-5.9mm

Cable capacity 2m - 10A @ 250v ac, 2.5m - 10A @ 250v ac
- Socket rating 10A @ 250v ac, 13A @ 250v ac
- Housing Black Polypropylene
- Cable Black PVC
- Free end stripped=38, Conductors bared=6-5.9mm

Temperature range -40°C to +70°C

Mfrs. List No. 356734

<table>
<thead>
<tr>
<th>Colour</th>
<th>Length</th>
<th>Order Code</th>
<th>Price Each</th>
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Economy UK to IEC Mains Leads – 2m

Low cost mains leads terminating in UK plugs and IEC cold condition plugs. The leads are rated at 5A, UK plugs are fused and BS approved.

<table>
<thead>
<tr>
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<tbody>
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<td>Black - 2m</td>
<td>871-9357</td>
<td>3.61</td>
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---

IEC Socket to Bare Ends, 3.5m - Pencon

Black or Grey

Direct and right angle free sockets, meets European standard BS4491.EN60.320

- 3.5mm² 0.75mm² cable is approved to BASEC BS6500
- 10A free socket approved to BSI, VDE, NF-USE, OVE, CEBEC, NEMKO, DEMKO, SEMKO, SETI, IMQ, SEV and KEMA-KEUR

Body length=65, Body length=45
Connectors - Power & Mains

IEC Shrouded Plug to Socket Lead

- IEC shrouded plug to IEC shrouded socket
- Available in black in 1 & 2m lengths

**Price Each**

<table>
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<th>Order Code</th>
<th>Price Each</th>
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<td>2m</td>
<td>121-1418A</td>
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</table>

**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

**Price Each**

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<tr>
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<tr>
<td>112-4375A</td>
<td>14.63</td>
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</table>

**International Mains Leads**

Europe, 'Schuko', 2.5m

- 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 H0251
- 10A free socket complies with EN60.320, has same approvals as the plug plus SEV

**Price Each**

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<tr>
<td>219691</td>
<td>10.65</td>
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</table>

North America, 2m

- Non-rewireable lead suitable for use in USA and Canada
- Plug UL498 recognised and CSA 22.2 No.42
- 2 metres of light duty 18 AWG SVT cable

**Price Each**

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<tbody>
<tr>
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<tr>
<td>210-205</td>
<td>8.37</td>
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</tbody>
</table>

---

**2.5A Class 1**

- Non-rewireable 2.5A Class 1 connector
- Black H03VV-F 3 x 0.75mm² square cable
- IEC C5/25AC5 available with UK GB13A plug and European ES16S plug
- Approved to BS4491:IEC320:EN60320
- Each connector undergoes 7 electrical tests
- Overall length 2M

**Price Each**

<table>
<thead>
<tr>
<th>Description</th>
<th>Order Code</th>
<th>Price Each</th>
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</thead>
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<tr>
<td>1+ 25+ 50+ 100+</td>
<td>112-4375</td>
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</table>

**UK to Mains Lead**

Cold Condition

- UK mains lead terminating with a 13A plug with 5A fitted fuse, and a cold condition IEC plug
- 2m Lead rated at 5A
- VDE approved cable
- Available in black and white

**Price Each**

<table>
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<th>Colour</th>
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<td>Black</td>
<td>389-3133</td>
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**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

**Price Each**

<table>
<thead>
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<th>Colour</th>
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Rewireable Free Sockets

Rewireable Side Entry Free Socket

Rewireable Free Socket 16A

Mains Connector 20A - High Power

Figure '8' Inlets

CMF Power Entry Module
Connectors - Power & Mains

**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
- 0.3 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

**Flange Fixing - Flat Face**

Conform to CEE22 and BS4491.

- Contact rating: 10A @ 250V
- Temperature rating: 105°C max.

**PCB Mounting**

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

**IEC Power Entry Module KEB 1 - Screw Mount**

- Screw mount - front or rear
- Inlet Protection Class 1
- On/Off switch 1 pole, Red illumination
- Terminals - Quick connect, 4.8 x 0.8mm
- Pin Temperature 70°C
- Approvals: VDE, SEMKO, CSA and UL Recognised
- Complies to EN 60320-1 IEC 60320-1/C14

---

**Connectors - Power & Mains**

1,000s more products available at www.farnell-newarkinone.com.sg
**Fused Inlets**

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

- Panel mounting combination mains inlet/fuseholders
- Complies with BS4491-EN609.220
- 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
- Current rating: 10A, 250V
- Fuseholder: 20mm x 5mm
- Contacts: 6.35 x 0.8mm
- Temperature range: -25°C to +70°C
- Voltage rating: 250V ac

### Specifications
- Housing: Black nylon
- Size: 20 x 5mm
- Fuse drawer projected to
- Switched and Fused Inlet/Outlet
- Housing: Black nylon
- Fuseholder: 20mm x 5mm
- Push-on terminals: 2.8 x 0.8mm
- Vertical Flange
- Horizontal Flange

### Pricing
- Order Code: 1+ 50+ 100+ 250+
- Price Each: 964-463
- Price Each: 8.22

---

**Switched and Fused 'Polysnap' Combinations**

- Single Pole Switched
- Double Pole Switched
- Fused Inlet/Outlet

### Specifications
- Contact rating: 10A @ 250Vac
- Temperature range: 0°C to +85°C
- Housing material: Thermoplastic UL94-V0

### Pricing
- Order Code: 1+ 50+ 100+ 250+
- Price Each: 1+ 50+ 100+ 250+

---

**Switched 'Polysnap' Mini-Bezel**

- Single Pole, Non-Illuminated
- Single Pole, Illuminated
- Double Pole, Illuminated

### Specifications
- Contact rating: 10A @ 250Vac
- Temperature range: 0°C to +85°C
- Housing material: Thermoplastic UL94-V0

### Pricing
- Order Code: 1+ 50+ 100+ 250+
- Price Each: 1+ 50+ 100+ 250+

---

**Polyflange IEC Inlets**

- Switched and Fused Polyflange Combinations
- Flange mounted switched and fused IEC Inlets
- Fuse drawer projected to PC2, IEC127/6
- Approvals: CSA, VDE, IMQ, SEMKO and UL Recognised

### Specifications
- Vertical Flange
- Horizontal Flange

### Pricing
- Order Code: 1+ 50+ 100+ 250+
- Price Each: 1+ 50+ 100+ 250+
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<td>SP Red Illuminated</td>
<td>BV01/000000/02</td>
<td>313-616A</td>
<td>10.98</td>
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<td>DP Non Illuminated</td>
<td>BV01/000000/10</td>
<td>313-617A</td>
<td>10.98</td>
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<tr>
<td>DP Red Illuminated</td>
<td>BV01/000000/11</td>
<td>313-618A</td>
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<td>Horizontal Flange</td>
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<td>999-733A</td>
<td>12.55</td>
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**Switched and Fused Inlets**

- **Cut-out 'A'**
  - Switched with fused/voltage selector or twin fused
  - Single fuse switched
  - Panel cut-out H=56.6
  - W=34.4, Thickness=1.5 to 3
  - Depth behind panel=58
- **Cut-out 'B'**
  - Twin fused switched
  - Panel cut-out H=76.5
  - W=34.4, Thickness=1.5 to 3
  - Depth behind panel=58

- **Switched and Fused Inlets**
  - For 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
  - Suitable for panel thickness 1, 1.5, 2 & 3mm

**Cut-out 'C'**

- Twin fused switched
- Panel cut-out H=76.5
- W=34.4, Thickness=1.5 to 3
- Depth behind panel=58

**Power Entry Module Series 4707**

- Panel Mount: Screw on version, Front or rear mounting
- Appliance Inlet, Fuse holder takes fuses size 5 x 20 mm

**Flange Fixing 16A**

- IEC 320 C20 chassis plug
- 6.3mm blade terminals on rear for push on receptacles or sockets
- Approved VDE, CSA, and UL Recognised

**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
- Approved VDE, CSA, NiQ, SEMKO and UL Recognised

**Switching and Fused Inlet Voltage selection**

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

**Series 4707**

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**Prices**

- Prices are subject to change without notice.
**Power Entry Modules**

**KM Series - Ultra Compact**

- **Ultra compact connector module**
- **Protection Class 1, 70°C**
- **Snap In - Front Mount**
- **IEC 603, fuseholder, switch.**
- **VDE, CSA Approved and UL Recognised**

**Dimensions**

- **Voltage rating** 250V ac @ 50/60 Hz
- **Contact rating** 10A
- **IP rating** IP 40
- **Housing** Thermoplastic UL94V-0
- **Temperature range** -25°C to 70°C
- **Test voltage** 2.5 kV Between L+N

### Fuseholders

**Order**

- **Order Code**
- **Switch**
- **Fuseholder**
- **EMC Shielding**
- **Test Code**

**Order Code**

- **KM00.105.11**
- **KM00.105.11**
- **KM00.115.11**
- **KM00.115.11**

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### IP Ratings

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### Dimensions

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<td>32 mm</td>
</tr>
<tr>
<td>82 mm</td>
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</tbody>
</table>

### Current Ratings

- **IP 65**
- **IP 40**
- **Panel Mounting**
- **Vertical Mounting**
- **Horizontal Mounting**
- **Snap-In Mounting**

### Copper Fuses

- **Sheathing**
- **Insulation**
- **Radial Seals**
- **Compliant**
- **Non-compliant**
- **Replacement Available**

###的历史

- **IEC 60950 mains filter which is both**
- **Switched and fused**
- **Easy access fuse drawer for one or two fuses (5x20mm)**

### Voltage Rating

- **250V @ 50/60 Hz**
- **Capacitance**
- **Dimensions include mounting holes**

### Connections

- **2 amp types**

### Panel Mounting, Switched and Fused

**FN28... Series**

- **Vertical Mounting**
- **Horizontal Mounting**
- **Snap-In Mounting**

**Order Code**

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

**Order Code**

- **FN281-2/06**
- **FN281-6/06**
- **FN282-2/06**
- **FN282-6/06**

**Order Code**

- **FN283-2/06**
- **FN283-6/06**
- **FN284-2/06**
- **FN284-6/06**

### Dimensions

<table>
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</table>

### Current Ratings

- **Order Code**
- **Order Code**
- **Order Code**
- **Order Code**
- **Order Code**

**Order Code**

- **FN281 Series, Vertical Mounting, Single Fuse.**
- **FN282 Series, Vertical Mounting, Double Fuse.**
- **FN283 Series, Horizontal Mounting, Single Fuse.**
- **FN284 Series, Horizontal Mounting, Double Fuse.**

### Connectors - Power & Mains

- **Connectors - Power & Mains**
- **Connectors - Power & Mains**
- **Connectors - Power & Mains**

### Compliant

- **Compliant**
- **Non-compliant**
- **Replacement Available**

### Sales Tel: (65) 6788 0200

300,000 products, stocked and ready to despatch
Connectors - Power & Mains

---

**Panel Mounting, Short Can**

- **SCHAEFFER**

  ![Panel Mounting, Short Can Diagram]

  - **Panel cut-out:** 28.5 x 21.5
  - **Depth behind panel:** 18
  - **Fixing centres:** 20, **Tabs:** 6.3 x 0.8

  - **Compact high performance IEC20 panel mounting filter**
  - **Designed for applications where space behind the panel is at a premium**
  - **Approved to VDE, SEV, SEMKO, DEMKO, FI, CSA, and UL Recognised**
  - **Designed to meet IEC950.**

  **Voltage rating:** 250V @ 0.4 to 400Hz
  **Inductance:** 2 x 1.8mH (6A)
  **Capacitors:** 1 x 0.47µF (X), 2 x 0.02µF (Y)
  **Operating temperature:** -25°C to +85°C

**Panel Mounting, General Purpose**

- **SCHAEFFER**

  ![Panel Mounting, General Purpose Diagram]

  - **Panel cut-out:** 28.5 x 21.5, **FC:** 40
  - **Fixing centres:** 20, **Tabs:** 6.3 x 0.8

  - **General purpose IEC inlet filter**
  - **Good performance**
  - **IEC 950 Compliant**

  **Voltage rating:** 250V @ 0.4-400Hz
  **Inductance:** 1 x 0.3mH
  **Capacitors:** 1 x 0.015µF (X), 2 x 2200pF (Y)
  **Operating temperature:** -25°C to +85°C

---

**IEC Power Inlet Filter**

**EEJ Series: Enhanced Performance**

- **Tyco Electronics**

  ![IEC Power Inlet Filter Diagram]

  - **1 Amp**
  - **15 Amp**
  - **20 Amp**

  - **UL Recognised, VDE Approved, CSA Certified**
  - **Horizontal filter mount**
  - **Enhanced performance for ever 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.**
  - **Enhanced performance for more attenuation**

---

**BULGIN**

- **Complies with IEC320, BS4491 and designed to protect sensitive electronic equipment against mains borne interference.**
- **Approved to VDE, SEMKO, CSA and UL Recognised.**

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*1,000s more products available at www.farnell-newarkinone.com.sg*

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**Prices:**

- Prices are in Singapore Dollars and exclusive of GST.
- Due to the volatile nature of certain products, prices are subject to change without notice.

---

**Images:**

- [Image of Panel Mounting, Short Can](image1)
- [Image of Panel Mounting, General Purpose](image2)
- [Image of IEC Power Inlet Filter](image3)
- [Image of BULGIN](image4)
Enhanced Performance Snap-in IEC Filter

**EJS Series: Enhanced Performance**

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

**Temperature Range**

-10 to 40°C

**Operating Voltage**

- 250V

**Test Voltage (1 minute)**

- Line-to-ground: 1500VAC
- Line-to-Line: 1450VDC

**Leakage Current**

- Line-to-ground: 0.38mA

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<th>Code</th>
<th>Order Price Each</th>
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**IEC Inlet Filter**

**EEB Series: Compact**

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

**Temperature Range**

-10 to 40°C

**Operating Voltage**

- 250V

**Test Voltage (1 minute)**

- Line-to-ground: 2250VDC
- Line-to-Line: 1450VDC

**Leakage Current**

- Line-to-ground: 0.38mA

<table>
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<td>32.00</td>
</tr>
<tr>
<td>3EEB1</td>
<td>3A</td>
<td>958-6016</td>
<td>32.00</td>
</tr>
<tr>
<td>6EEB1</td>
<td>6A</td>
<td>958-6023</td>
<td>32.00</td>
</tr>
<tr>
<td>10EEB1</td>
<td>10A</td>
<td>958-6032</td>
<td>36.33</td>
</tr>
</tbody>
</table>

**Panel Mounting, High Performance**

- Horizontal mount
- Enhanced performance for more attenuation
- Extended metal flange around the socket for improved high frequency EMI shielding
- Applications for the 20 amp version include high current power supplies and computing equipment which consists of work stations, base stations and servers etc.

**Temperature Range**

-10 to 40°C

**Operating Voltage**

- 250V

**Test Voltage (1 minute)**

- Line-to-ground: 1500VAC
- Line-to-Line: 1450VDC

**Leakage Current**

- Line-to-ground: 0.38mA

<table>
<thead>
<tr>
<th>Mftrs. List No.</th>
<th>Rating</th>
<th>Code</th>
<th>Order Price Each</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>1+</td>
</tr>
<tr>
<td>1EEB1</td>
<td>1A</td>
<td>958-6008</td>
<td>32.00</td>
</tr>
<tr>
<td>3EEB1</td>
<td>3A</td>
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</tr>
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<td>6A</td>
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</tr>
<tr>
<td>10EEB1</td>
<td>10A</td>
<td>958-6032</td>
<td>36.33</td>
</tr>
</tbody>
</table>
Connectors - Power & Mains

EC 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
- Inductance: 10mH (1A), 3.1mH (3A), 1.2mH (6A)

Mfrs. List No: PN211-1/05. = 403-780
Price Each
Rating Order Code 1+ 10+ 50+ 100+ +
1A 453-780 42.09 35.72 31.66 24.00 --
1A 110-4556 42.09 35.72 31.66 24.00 --
2A 453-791 42.09 35.72 31.66 24.00 --
3A 110-4556 42.09 35.72 31.66 24.00 --
5A 453-808 42.09 35.72 31.66 24.00 --
6A 110-4557 42.09 35.72 31.66 24.00 --

Panel Mounting, Fused

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

- Voltage rating: 250V @ 50-400Hz
- Capacitance: 1 x 0.015µF (X) + 2 x 2200pF (Y)
- Operating temp: 85°C-25°C to +

Mfrs. Dual List Nos: WF190-2/05 & SF2010-2/01 = 942-6990
Price Each
Rating Order Code 1+ 10+ 25+ 100+ +
2A 148-8721 40.13 37.61 35.19 30.49 --
2A 942-6990 40.13 37.61 35.19 30.49 --
6A 148-8731 40.10 37.52 35.15 30.46 --
6A 942-7007 40.10 37.52 35.15 30.46 --
8A 557-614 41.58 35.41 32.73 28.80 --
8A 942-7139 41.58 35.41 32.73 28.80 --
10A 557-626 32.78 32.90 26.46 24.92 --
10A 942-7147 32.78 32.90 26.46 24.92 --

Panel Mounting - Twin Fused

- EC320 mains filter 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 0.5mH - 1A
- Max. leakage per phase: 15mA
- Capacitance: 2 x 1000µF
- Fusion terminals: 6.3 x 0.8mm

Mfrs. List No: FN9260-X/06, X=Rating in Amps
Price Each
Rating Order Code 1+ 25+ 100+ +
1A 557-651 33.81 23.03 21.55 19.22 --
1A 110-4560 33.81 23.03 21.55 19.22 --
2A 557-662 33.81 23.03 21.55 19.22 --
2A 110-4562 33.81 23.03 21.55 19.22 --
4A 557-675 33.81 23.03 21.55 19.22 --
4A 110-4563 33.81 23.03 21.55 19.22 --
6A 557-687 33.81 23.03 21.55 19.22 --
6A 110-4564 33.81 23.03 21.55 19.22 --

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/EN69590
- Approvals: UL CSA VDE
- Standard version

Note: * Fuses and Fuse holder sold separately

Mfrs. List No. FN9260-X/06, X=Rating in Amps
Price Each
Rating Order Code 1+ 25+ 100+ +
1A 150-928 36.07 32.13 29.82 26.01
1A 113-9338 36.07 32.13 29.82 26.01
4A 150-929 36.07 32.13 29.82 26.01
4A 113-9339 36.07 32.13 29.82 26.01

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

1,000s more products available at www.farnell-newarkinone.com.sg
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 brush currents
- Approvals: ENEC UL

Rated Voltage: 250V, 60Hz
Leakage current: ≤ 2mA
Test Voltage: 1kVDC Between L-N
Operating Temperature: -25°C to +85°C
Panel Thickness (max.), Screw mounting: 8mm
Panel Thickness (max.), Snap mounting: 0.8mm to 3mm

Panel Mounting, Switched and Fused, Snap-In

- 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°C to 40°C
Operating Voltage: 250V
Operating Frequency: 50/60 Hz
Test voltage (1 minute): Line -to-ground 1500 VAC
Leakage current: Line -to-Line 0.42mA

Power Entry Module

- EGG Series: Fused
- P Series: Switched and Fused with Voltage Selector
Connectors - Power & Mains

- 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
- Dual voltage (115/230 VAC)
- Both North American and European fusing capabilities
- Filtering for General purpose and Medical applications

<table>
<thead>
<tr>
<th>Voltage Rating</th>
<th>250V @ 50 - 400Hz</th>
<th>Capacitance</th>
<th>0 - 0.015µF</th>
</tr>
</thead>
<tbody>
<tr>
<td>Current Rating</td>
<td>6A</td>
<td>0.35mA</td>
<td>+0.220µF (Y)</td>
</tr>
<tr>
<td>Earth Leakage Current</td>
<td>&lt;0.35mA</td>
<td>+2 x 0.7mH (Y)</td>
<td></td>
</tr>
</tbody>
</table>

- Each item is individually terminated giving flexibility of interconnection.
- Filtered version of the popular switch and fused IEC320 inlet.

- Approved to VDE, SEMKO, CSA and UL Recognised

- Filtered version of Mini Bezels 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.

<table>
<thead>
<tr>
<th>Voltage rating</th>
<th>250Vac, 50/60Hz</th>
<th>Operating Temperature</th>
<th>-25°C to +85°C</th>
</tr>
</thead>
</table>

- All IEC inlets meet Overvoltage Category II or IEC 644 and comply with IEC60950
- Good performance in both common mode and differential mode
- Metal case to give a good shielding effect
- Typical applications include vending and gaming machines, printers, copiers, monitors, test equipment, etc.
- Easy connection on all models via fast-on tags
- Fuse units provide space for a spare fuse (fused on line only)
- Approvals: TUV, CSA and UL Recognised

Prices are in Singapore Dollars and exclusive of GST. Due to the volatile nature of certain products, prices are subject to change without notice.
### IEC Filters

- **Single fuse and double pole on/off switch**
- **Approved to VDE, SEV, SEMKO, CSA and UL Recognised**
- **Designed to meet IEC609**

**Voltage Rating**: 250V @ 0-40Hz max.

**Inductance**: 120/110-220 24V

**Fuse Holder**: 20 x 5mm or 1/16" x 3/16"

**Earth Leakage current**: 2 x 0.32mA

<table>
<thead>
<tr>
<th>Capacitance</th>
<th>Operating Temp.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 x 0.22µF@50+</td>
<td>-25°C to +85°C</td>
</tr>
<tr>
<td>2 x 330pF @50+</td>
<td></td>
</tr>
</tbody>
</table>

#### Switched and Fused IEC Inlet, Snap-in

- **RIQ-0242-H**
- **RIQ-0242-H2**
- **RIQ-0642-H**
- **RIQ-0642-H2**

#### Chassis Filter

- **RES5-F08**
- **RES5-F08**
- **RES5-F10**
- **RES5-F10**

**Order Code**: 1 - 10 - 50 - 100

**Price Each**: 24.11 - 24.11 - 24.11 - 24.11

#### IEC 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**

**Temperature Range**: -10°C to +40°C

**Test Voltage (1 minute)**

<table>
<thead>
<tr>
<th>Line -to-ground</th>
<th>Line -to-line</th>
</tr>
</thead>
<tbody>
<tr>
<td>1500V</td>
<td>1500V</td>
</tr>
</tbody>
</table>

**Operating Voltage**: 250V

**Operating Frequency**: 50/40Hz

### IEC Free Plugs

- **IEC250** 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**

**Current Rating**: 10A @ 250V ac

**Temperature Range**: -40°C to +65°C

**Housing Contacts**: 8.5 max

**Material**: Brass, Nickel plated

**Order Code**: 1 - 10 - 50 - 100

**Price Each**: 24.11 - 24.11 - 24.11 - 24.11

### Panel Mounting, Switched and Fused Standard and Two Stage Ultra High Performance

- **Single Stage**
- **Two Stage**

### Connectors - Power & Mains

- **Farnell Page 459 Date: 18-08-06 time:01:40**

**Fixing centres=40, Tabs=6.3 x 0.8**

**Panel cut-out=60 x 29, Depth behind panel=50**

**Rating centres=40, Tabs=6.3 x 0.8**

**300,000 products, stocked and ready to despatch**
Rewirable Free 'Moat' Plugs

- Black and White

- Contact Resistance
- Contact Rating 10A @ 250V ac
- Housing Black Nylon, UL94V-0
- Voltage rating 250V AC
- Protection Class 1

<table>
<thead>
<tr>
<th>Code</th>
<th>Price Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>1+</td>
<td>3.50</td>
</tr>
<tr>
<td>50+</td>
<td>3.00</td>
</tr>
<tr>
<td>100+</td>
<td>2.50</td>
</tr>
<tr>
<td>250+</td>
<td>2.00</td>
</tr>
</tbody>
</table>

Rewirable Multi-Entry Free Plug

- Rewirable 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.

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Price Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>10+</td>
<td>3.50</td>
</tr>
<tr>
<td>50+</td>
<td>3.00</td>
</tr>
<tr>
<td>100+</td>
<td>2.50</td>
</tr>
<tr>
<td>250+</td>
<td>2.00</td>
</tr>
</tbody>
</table>

Rewirable Free Plug 16A

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

<table>
<thead>
<tr>
<th>Code</th>
<th>Price Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>1+</td>
<td>7.10</td>
</tr>
<tr>
<td>50+</td>
<td>6.60</td>
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<tr>
<td>100+</td>
<td>6.10</td>
</tr>
<tr>
<td>250+</td>
<td>5.60</td>
</tr>
</tbody>
</table>

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 I
- 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

<table>
<thead>
<tr>
<th>Code</th>
<th>Price Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>1+</td>
<td>3.00</td>
</tr>
<tr>
<td>50+</td>
<td>2.50</td>
</tr>
<tr>
<td>100+</td>
<td>2.00</td>
</tr>
<tr>
<td>1000+</td>
<td>1.50</td>
</tr>
</tbody>
</table>

PCB Mounting

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

<table>
<thead>
<tr>
<th>Code</th>
<th>Price Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>1+</td>
<td>3.00</td>
</tr>
<tr>
<td>50+</td>
<td>2.50</td>
</tr>
<tr>
<td>100+</td>
<td>2.00</td>
</tr>
<tr>
<td>250+</td>
<td>1.50</td>
</tr>
</tbody>
</table>

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, IMO, SEMKO and UL Recognised. A rear insulation boot is available for improved safety. Order Code 151-743, SEE PAGE 464

- Contact Rating 10A @ 250Vac
- Housing Nylon to UL94V-0
- Contacts Brass, Tin plated

<table>
<thead>
<tr>
<th>Code</th>
<th>Price Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>1+</td>
<td>3.00</td>
</tr>
<tr>
<td>50+</td>
<td>2.50</td>
</tr>
<tr>
<td>100+</td>
<td>2.00</td>
</tr>
<tr>
<td>250+</td>
<td>1.50</td>
</tr>
</tbody>
</table>

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

- Flange fix - Black
- Flange fix - White
- Snap-fit - Black
- Shutter snap-fit - Black

IEC Outlets

- Flange and Snap Fit Fixing

- Flange fix
- Snap fit

1,000s more products available at www.farnell-newarkinone.com.sg
### Flange and Snap Fit Fixing

Flange fixing

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

Flange Fixing

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

Flange Fixing 16A

- IEC 320 C19 chassis socket
- 6.3mm blade terminals on rear for push on receptacles or soldering
- Approvals: CSA, VDE, SEV, SEMKO, CSA and UL recognised

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

#### Panel Mounting

<table>
<thead>
<tr>
<th>Code</th>
<th>Price Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>1+</td>
<td>100+</td>
</tr>
<tr>
<td>50+</td>
<td></td>
</tr>
<tr>
<td>5+</td>
<td></td>
</tr>
</tbody>
</table>

#### Contact Rating

10A @ 250Vac

#### Temperature Range

-40°C to +90°C

#### Housing

Nylon UL94V-0

#### Contacts

Brass, Tin plated

#### No. of Ways

1+ 50+ 100+ 250+

#### Price Each

1.82 1.64 1.48 1.32

#### Terminals

6.35 x 0.8mm fast-on

#### Approval

UL, CSA, CE

#### Spring retainers

Suitable for protecting a variety of IEC inlets, outlets and filters, as listed below.

### Insulation Boots

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

#### Retaining Kits and Flange

Spring retaining clips to prevent accidental disconnection of mated connectors.

<table>
<thead>
<tr>
<th>Code</th>
<th>Price Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>1+</td>
<td>100+</td>
</tr>
<tr>
<td>50+</td>
<td></td>
</tr>
<tr>
<td>5+</td>
<td></td>
</tr>
</tbody>
</table>

#### Order Code


#### Price Each

1.64 1.48 1.32 1.16

#### Contact Rating

10A @ 250Vac

#### Temperature Range

-20°C to +70°C

#### Housing

Nylon UL94V-0

#### Contacts

Brass, Tin plated

#### No. of Ways

1+ 50+ 100+ 250+

#### Price Each

3.98 3.50 3.02 2.64

#### Terminals

6.35 X 0.8mm fast-on

#### Approval

UL, CSA, CE

#### Spring Kits

Suitable for protecting a variety of IEC inlets, outlets and filters, as listed below.

<table>
<thead>
<tr>
<th>Code</th>
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</tr>
</thead>
<tbody>
<tr>
<td>1+</td>
<td>100+</td>
</tr>
<tr>
<td>50+</td>
<td></td>
</tr>
<tr>
<td>5+</td>
<td></td>
</tr>
</tbody>
</table>

#### Order Code


#### Price Each

1.64 1.48 1.32 1.16

#### Contact Rating

10A @ 250Vac

#### Temperature Range

-20°C to +70°C

#### Housing

Nylon UL94V-0

#### Contacts

Brass, Tin plated

#### No. of Ways

1+ 50+ 100+ 250+

#### Price Each

3.98 3.50 3.02 2.64

#### Terminals

6.35 X 0.8mm fast-on

#### Approval

UL, CSA, CE

#### Spring Kits

Suitable for protecting a variety of IEC inlets, outlets and filters, as listed below.

<table>
<thead>
<tr>
<th>Code</th>
<th>Price Each</th>
</tr>
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<tbody>
<tr>
<td>1+</td>
<td>100+</td>
</tr>
<tr>
<td>50+</td>
<td></td>
</tr>
<tr>
<td>5+</td>
<td></td>
</tr>
</tbody>
</table>

#### Order Code


#### Price Each

1.64 1.48 1.32 1.16

#### Contact Rating

10A @ 250Vac

#### Temperature Range

-20°C to +70°C

#### Housing

Nylon UL94V-0

#### Contacts

Brass, Tin plated

#### No. of Ways

1+ 50+ 100+ 250+

#### Price Each

3.98 3.50 3.02 2.64

#### Terminals

6.35 X 0.8mm fast-on

#### Approval

UL, CSA, CE

#### Spring Kits

Suitable for protecting a variety of IEC inlets, outlets and filters, as listed below.
Connectors - Power & Mains

**IEC Hot Condition**

**Rewireable Free Socket**

- Black and White

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

<table>
<thead>
<tr>
<th>Mfrs.</th>
<th>Price Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour</td>
<td>List No.</td>
</tr>
<tr>
<td>Black</td>
<td>PX0597</td>
</tr>
<tr>
<td>Black</td>
<td>PX0597/WH</td>
</tr>
<tr>
<td>White</td>
<td>PX0597</td>
</tr>
<tr>
<td>White</td>
<td>PX0597/WH</td>
</tr>
</tbody>
</table>

**Inlets - Panel Mounting**

- Flange fixing
- Panel cut-out

<table>
<thead>
<tr>
<th>Panel cut-out</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.5mm panel thickness for snap-fit</td>
</tr>
</tbody>
</table>

**Circular Mains**

- 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
- 1.5m cable with FCA plug to bare ends

<table>
<thead>
<tr>
<th>Mfrs.</th>
<th>Price Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>Current Rating</td>
<td>List No.</td>
</tr>
<tr>
<td>20Ams @ wire size</td>
<td>PX0597/WH</td>
</tr>
</tbody>
</table>

**Rewireable Socket**

- Contact design prevents arcing, when disconnected under load

<table>
<thead>
<tr>
<th>Mfrs.</th>
<th>Price Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour</td>
<td>List No.</td>
</tr>
<tr>
<td>Black</td>
<td>PX0597</td>
</tr>
<tr>
<td>Black</td>
<td>PX0597/WH</td>
</tr>
<tr>
<td>White</td>
<td>PX0597</td>
</tr>
<tr>
<td>White</td>
<td>PX0597/WH</td>
</tr>
</tbody>
</table>

**‘Power-Con’**

- Locking 3 Pole

- 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

<table>
<thead>
<tr>
<th>Mfrs.</th>
<th>Price Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>Current Rating</td>
<td>List No.</td>
</tr>
<tr>
<td>20Ams @ wire size</td>
<td>PX0597/WH</td>
</tr>
</tbody>
</table>

**3 Pole Miniature Outlet 3A**

- Miniature mains connectors for power take-off applications
- A rear insulation boot is available for improved safety, Order Code 313-774

<table>
<thead>
<tr>
<th>Mfrs.</th>
<th>Price Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>Order Code</td>
<td>List No.</td>
</tr>
<tr>
<td>1+</td>
<td>25+</td>
</tr>
<tr>
<td>A’ Type</td>
<td>NAC3FCA</td>
</tr>
<tr>
<td>B’ Type</td>
<td>NAC3FCB</td>
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</table>

**Chassis Connector**

- A’ Type
- B’ Type

<table>
<thead>
<tr>
<th>Mfrs.</th>
<th>Price Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contact Resistance</td>
<td>List No.</td>
</tr>
<tr>
<td>≤50 after 5000 mating cycles</td>
<td></td>
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</tbody>
</table>

**3 Pole Miniature Inlet 3A**

- Panel cut-out

<table>
<thead>
<tr>
<th>Mfrs.</th>
<th>Price Each</th>
</tr>
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<tbody>
<tr>
<td>Contact Resistance</td>
<td>List No.</td>
</tr>
<tr>
<td>≤50 after 5000 mating cycles</td>
<td></td>
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</table>

**Rewirable Free Socket**

- Black and White

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

<table>
<thead>
<tr>
<th>Mfrs.</th>
<th>Price Each</th>
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<tbody>
<tr>
<td>Colour</td>
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</tr>
<tr>
<td>Black</td>
<td>PX0597</td>
</tr>
<tr>
<td>Black</td>
<td>PX0597/WH</td>
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<tr>
<td>White</td>
<td>PX0597</td>
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<tr>
<td>White</td>
<td>PX0597/WH</td>
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**Inlets - Panel Mounting**

- Flange fixing
- Panel cut-out

<table>
<thead>
<tr>
<th>Panel cut-out</th>
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</thead>
<tbody>
<tr>
<td>1.5mm panel thickness for snap-fit</td>
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**Rewirable Socket**

- Contact design prevents arcing, when disconnected under load

<table>
<thead>
<tr>
<th>Mfrs.</th>
<th>Price Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour</td>
<td>List No.</td>
</tr>
<tr>
<td>Black</td>
<td>PX0597</td>
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<tr>
<td>Black</td>
<td>PX0597/WH</td>
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<tr>
<td>White</td>
<td>PX0597</td>
</tr>
<tr>
<td>White</td>
<td>PX0597/WH</td>
</tr>
</tbody>
</table>

**‘Power-Con’**

- Locking 3 Pole

- 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

<table>
<thead>
<tr>
<th>Mfrs.</th>
<th>Price Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>Current Rating</td>
<td>List No.</td>
</tr>
<tr>
<td>20Ams @ wire size</td>
<td>PX0597/WH</td>
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</table>

**3 Pole Miniature Outlet 3A**

- Miniature mains connectors for power take-off applications
- A rear insulation boot is available for improved safety, Order Code 313-774

<table>
<thead>
<tr>
<th>Mfrs.</th>
<th>Price Each</th>
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<tbody>
<tr>
<td>Contact Rating</td>
<td>List No.</td>
</tr>
<tr>
<td>10A @ 250V ac</td>
<td>PX0597/WH</td>
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</table>

**Housing Nylon, UL94V-0**

- Temperature Range: -40°C to +120°C
- Terminations: Screw terminal
- Contact Rating: 10A @ 250V ac
- Contacts: Brass, Nickel plated

**Housing Matt nylon**

- Temperature Range: -40°C to +120°C
- Terminations: Screw terminal
- Contact Rating: 10A @ 250V ac
- Contacts: Brass, Nickel plated

**Housing Black phenolic resin**

- Temperature Range: -20°C to +60°C
- Terminations: Sockets Brass, Silver plated
- Contact Rating: 3A @ 250V ac
- Contacts: Pins Brass, Tin plated

**Housing Black, phenolic resin**

- Temperature Range: -20°C to +60°C
- Terminations: Sockets Brass, Silver plated
- Contact Rating: 3A @ 250V ac
- Contacts: Pins Brass, Tin plated

**Ministerial Approval**

- BS4491
- EN60.320
- BS4491.EN60.320
- BS4491
- EN60.320
- IEC320
- IEC320
- VDE, UL, CSA, SEMKO, NEMKO, FEMKO, IMQ, and BSI

**Safety Regulations**

- Safety Regulations 1987
- Safety Regulations

**Accessories**

- A’ Type NAC3FCA
- B’ Type NAC3FCB
- A’ Type NAC3MPA
- B’ Type NAC3MPB
- Free Plug 313-944
- Free Plug 313-956
- Panel cut-out

**Prices**

- Prices are in Singapore Dollars and exclusive of GST.
- Prices are subject to change without notice.

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300,000 products in our Asia, US and Europe warehouses.

300,000 products at your fingertips

1,000s more products available at www.farnell-newarkinone.com.sg
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.

3 Pole Code 1+ 100+ 250+ 500+ + +
Free Socket 314-040 6.51 6.03 5.78 5.17 1.97 1.17 1.07 + +
Panel Socket 314-031 7.04 6.55 6.32 4.75 3.72 3.05 2.93 + +
4 Pole Code 1+ 100+ 250+ 500+ + +
Free 90° plug 314-044a 10.38 9.37 8.28 6.32 3.08 + +
Panel Socket 314-055a 5.97 5.36 4.72 3.56 + +

4 Pole 90° plug 314-050a 8.38 7.79 6.82 6.02 4.79 3.93 + +
Panel Socket 314-055a 5.97 5.36 4.72 3.56 + +

'8020' 2 and 3 Way-In-Line

Mated Housing Mated Housings in Mounting Clip

Connectors - Power & Mains

Sealed

Superseal 1.5 Series

A series which meets the need of the electrical connection field.
Fulfils 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
Material: Phosphor bronze, tin plated
Current rating: 14A max.
Wire range: 1.4-1.7mm (insulation dia.) 22-20AWG
1.8-3.3mm (insulation dia.) 20-16AWG
Connectors
Dielectric withstand voltage: 1500Vms
Insulation resistance: 2000MΩ min
Temperature Range: -40°C to +125°C
Wire Seals
Material: Silicon rubber
Sealing: Polyamide 6.6 GF Silicon rubber

3 Pole 15A

Connector without strain relief

Connector with strain relief

Panel mount connector snap-in

Panel cut-out

Connectors - Power & Mains

Advanced warning of obsolete components

FREE to all account holders
Notification of obsolete, end of line and end of stock items
Replacement or upgrade recommendations

300,000 products, stocked and ready to despatch

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Farnell in One

Connectors - Power & 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.

3 Pole Code 1+ 100+ 250+ 500+ + +
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Panel Socket 314-031 7.04 6.55 6.32 4.75 3.72 3.05 2.93 + +
4 Pole Code 1+ 100+ 250+ 500+ + +
Free 90° plug 314-044a 10.38 9.37 8.28 6.32 3.08 + +
Panel Socket 314-055a 5.97 5.36 4.72 3.56 + +

4 Pole 90° plug 314-050a 8.38 7.79 6.82 6.02 4.79 3.93 + +
Panel Socket 314-055a 5.97 5.36 4.72 3.56 + +

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3 Pole 15A

Connector without strain relief

Connector with strain relief

Panel mount connector snap-in

Panel cut-out
### Connectors - Power & Mains

#### Tab Connectors

**Miniature Plug Connectors**

Low voltage dc power connectors 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 (1.3mm) Contacts

**Brass, Nickel, Silver plated**

**Temperature range**: 0°C to +70°C

**Termination Solder**: Black ABS

---

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---

#### Wire Seal

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

---

### Tables

#### Tab Connectors Table

<table>
<thead>
<tr>
<th>No. of Ways</th>
<th>Materials List No.</th>
<th>List No.</th>
<th>Dimension (mm)</th>
<th>Temperature range</th>
<th>Wire Seal</th>
<th>Wire dia (mm)</th>
<th>Order Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>282103-1</td>
<td>150-642</td>
<td>9.8</td>
<td>100°C to +125°C</td>
<td>1.8-2.4</td>
<td>150-654</td>
<td></td>
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<tr>
<td>2</td>
<td>282104-1</td>
<td>150-654</td>
<td>13.8</td>
<td>100°C to +125°C</td>
<td>1.8-2.4</td>
<td>150-673</td>
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<tr>
<td>3</td>
<td>282105-1</td>
<td>150-678</td>
<td>17.8</td>
<td>100°C to +125°C</td>
<td>2.6-3.3</td>
<td>150-680</td>
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<td>4</td>
<td>282106-1</td>
<td>150-693</td>
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<td>2.6-3.3</td>
<td>150-681</td>
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<td>5</td>
<td>282107-1</td>
<td>150-707</td>
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<td>6</td>
<td>282108-1</td>
<td>150-719</td>
<td>29.8</td>
<td>100°C to +125°C</td>
<td>2.6-3.3</td>
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#### Plug Connectors Table

<table>
<thead>
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<th>No. of Ways</th>
<th>Materials List No.</th>
<th>List No.</th>
<th>Dimension (mm)</th>
<th>Temperature range</th>
<th>Wire Seal</th>
<th>Wire dia (mm)</th>
<th>Order Code</th>
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<tbody>
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<td>1.8-2.4</td>
<td>150-393</td>
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<td>2</td>
<td>282074-1</td>
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<td>100°C to +125°C</td>
<td>1.8-2.4</td>
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#### Wire Seal Table

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<th>Materials List No.</th>
<th>List No.</th>
<th>Order Code</th>
<th>Wire Seal</th>
<th>Wire dia (mm)</th>
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<tbody>
<tr>
<td>Green</td>
<td>281914-4</td>
<td>150-910</td>
<td>10+</td>
<td>0.25</td>
<td>0.16</td>
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<td>Yellow</td>
<td>281913-4</td>
<td>150-919</td>
<td>10+</td>
<td>0.25</td>
<td>0.16</td>
<td>150-924</td>
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<tr>
<td>Red</td>
<td>281913-3</td>
<td>150-930</td>
<td>10+</td>
<td>0.25</td>
<td>0.16</td>
<td>150-930</td>
</tr>
</tbody>
</table>

---

### Accessories

- **Material**: Silicon Rubber
- **Suitable for wire with insulation diameter from**: 1.5 to 3.3mm

---

### Box and Pin Mounting Sockets

- **Housing**: Black ABS
- **Temperature range**: 0°C to +70°C
- **Termination Solder**: Black ABS

---

### 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**

---

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DIN ISO 4165 Plug - Universal

PRO-CAR

- 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
- TÜV approved

<table>
<thead>
<tr>
<th>Mfrs.</th>
<th>List No.</th>
<th>Order Code</th>
<th>Price Each</th>
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</thead>
<tbody>
<tr>
<td></td>
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<tr>
<td>Unfused 8A</td>
<td>57715000</td>
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<tr>
<td>Fused 8A</td>
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<td>9.37</td>
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<td>653-388</td>
<td>10.83</td>
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</tbody>
</table>

DIN ISO 4165 Socket Outlet

PRO-CAR

- Accepts DIN ISO 4165 universal plugs
- Dust and splash proof
- TÜV approved

<table>
<thead>
<tr>
<th>Mfrs.</th>
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<tr>
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</table>

Lemo High Power Connectors

- Locking ring on plug

<table>
<thead>
<tr>
<th>Operating Voltage</th>
<th>Price Each</th>
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</thead>
<tbody>
<tr>
<td>2.8kV rms</td>
<td>-</td>
</tr>
<tr>
<td>5.5kV rms</td>
<td>-</td>
</tr>
<tr>
<td>10kV rms</td>
<td>-</td>
</tr>
<tr>
<td>2.8kV dc</td>
<td>-</td>
</tr>
<tr>
<td>5.5kV dc</td>
<td>-</td>
</tr>
<tr>
<td>10kV dc</td>
<td>-</td>
</tr>
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</table>

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<tbody>
<tr>
<td></td>
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<tr>
<td>Unfused 8A</td>
<td>57607002</td>
<td>656-431</td>
<td>11.02</td>
</tr>
</tbody>
</table>

Panel Socket

- Fast access to over 300,000 products
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- Technical attribute search
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- Instant order confirmation

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Connectors - Power & Mains

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