10A, 250V to 250A, 440V
INDUSTRIAL METAL CLAD PLUG, SOCKET
AND
INTERLOCKED SWITCH SOCKET UNIT

Manufactured by:
Voltech Manufacturing Company Ltd.
Valves & Flameproof Equipments Division, Chennai - 600128
## Metal Clad Plugs and Sockets with Scraping Earth Connection

<table>
<thead>
<tr>
<th>Poles</th>
<th>HZ</th>
<th>Amps</th>
<th>Volts</th>
<th>Cat Ref</th>
</tr>
</thead>
<tbody>
<tr>
<td>2P+E</td>
<td>50</td>
<td>10</td>
<td>240</td>
<td>V2P10</td>
</tr>
<tr>
<td></td>
<td></td>
<td>20</td>
<td>240</td>
<td>V2P20</td>
</tr>
<tr>
<td>3P+E</td>
<td>50</td>
<td>20</td>
<td>440</td>
<td>V3P20</td>
</tr>
<tr>
<td></td>
<td></td>
<td>30</td>
<td>440</td>
<td>V3P30</td>
</tr>
</tbody>
</table>

- Pressure cast aluminium alloy casting
- Fully shrouded plug pins
- Tapering cable guard for plug
- Plug interiors are made out of high quality electrical grade backlite
- Socket contacts recessed and self-aligning
- Permanently resilient scraping earth ensuring prior earth connection, breaking after the main circuit connection
- Epoxy power coated finish

## IEC Range of Metal Clad Plugs & Sockets to BS: 4343/IEC-309, 16-125 Amperes

<table>
<thead>
<tr>
<th>Poles</th>
<th>HZ</th>
<th>Amps</th>
<th>Volts</th>
<th>Cat Ref</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>5P (3P + N + E)</td>
<td>50</td>
<td>63</td>
<td>440</td>
<td>VP-63</td>
<td>240</td>
<td>78</td>
<td>110</td>
<td>210</td>
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<tr>
<td></td>
<td></td>
<td>125</td>
<td>440</td>
<td>VP-125</td>
<td>325</td>
<td>87</td>
<td>134</td>
<td>295</td>
</tr>
</tbody>
</table>

- Aluminium alloy casting
- Space for ease of wiring and safe termination
- Conforming to BS: 4343, IEC: 309 and CEE: 17
- Insulated interiors made from glass filled nylon
- Current conducting plug pins and slotted socket tubes with collar spring are constructed in special brass to retain dimensional stability during repetitive operations
- Spring loaded cam type cover for socket
- Plugs provided with compression type cable grip
**Switch Sockets**

**Switch Socket and Plug**

Dimensions are same for 'splash proof' units.

<table>
<thead>
<tr>
<th>CAT REF</th>
<th>AMPS</th>
<th>VOLTS</th>
<th>PHASE</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>CABLE ENTRY</th>
</tr>
</thead>
<tbody>
<tr>
<td>VIL1-10</td>
<td>10</td>
<td>250</td>
<td>1</td>
<td>166</td>
<td>135</td>
<td>142</td>
<td>117</td>
<td>118</td>
<td>20</td>
</tr>
<tr>
<td>VIL1-20</td>
<td>20</td>
<td>250</td>
<td>1</td>
<td>180</td>
<td>135</td>
<td>142</td>
<td>117</td>
<td>140</td>
<td>20</td>
</tr>
<tr>
<td>VIL3-20</td>
<td>20</td>
<td>440</td>
<td>3</td>
<td>187</td>
<td>138</td>
<td>165</td>
<td>120</td>
<td>144</td>
<td>25</td>
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<tr>
<td>VIL3-30</td>
<td>30</td>
<td>440</td>
<td>3</td>
<td>198</td>
<td>141</td>
<td>196</td>
<td>122</td>
<td>150</td>
<td>25</td>
</tr>
</tbody>
</table>

- Cast aluminium/sheet steel enclosures
- Double break cam operated on-off switch
- Fully wired
- Enclosure epoxy powder coated finish
- Outdoor application with socket also available

**Fully Interlocked Switch Sockets to IS: 4160**

'Splash Proof' fully interlocked switch socket & plug.

<table>
<thead>
<tr>
<th>CAT REF</th>
<th>AMPS</th>
<th>VOLTS</th>
<th>PHASE</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>CABLE ENTRY</th>
<th>SPLASH PROOF</th>
<th>ADD 'V' IN CAT REF</th>
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</thead>
<tbody>
<tr>
<td>VFL1-10</td>
<td>10</td>
<td>250</td>
<td>1</td>
<td>205</td>
<td>174</td>
<td>120</td>
<td>152</td>
<td>120</td>
<td>20</td>
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<tr>
<td>VFL1-20</td>
<td>20</td>
<td>250</td>
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<td>205</td>
<td>174</td>
<td>142</td>
<td>152</td>
<td>120</td>
<td>20</td>
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<tr>
<td>VFL3-20</td>
<td>20</td>
<td>440</td>
<td>3</td>
<td>210</td>
<td>174</td>
<td>168</td>
<td>152</td>
<td>124</td>
<td>25</td>
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<td></td>
</tr>
<tr>
<td>VFL3-30</td>
<td>30</td>
<td>440</td>
<td>3</td>
<td>210</td>
<td>174</td>
<td>205</td>
<td>152</td>
<td>124</td>
<td>25</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Cast aluminium/sheet steel enclosures with epoxy powder coated finish
- Double break cam operated on/off switch
- Internal mechanical interlocking confirming to IEC-309
- Plug cannot be removed while switch is in "on" position
- Switch cannot be closed without plug insertion
- Fully wired
- Conforming to IP 65 of IS 13947 for outdoor applications
HEAVY DUTY FULLY INTERLOCKED
SWITCH SOCKETS TO BS: 4343 AND IEC-309

<table>
<thead>
<tr>
<th>CAT REF</th>
<th>RATING</th>
<th>VOLTS</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>VFI-63</td>
<td>63A - 3P + N + E</td>
<td>440</td>
<td>315</td>
<td>340</td>
<td>425</td>
<td>391</td>
<td>245</td>
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<tr>
<td>VFI-125</td>
<td>125A - 3P + N + E</td>
<td>440</td>
<td>383</td>
<td>413</td>
<td>440</td>
<td>410</td>
<td>295</td>
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</tbody>
</table>

- Aluminium alloy/sheet steel enclosure in epoxy powder coated finish
- All weather application, conforming to IP 65 of IEC 13947
- Double break fuse switch (AC23 duty) interlocked with socket
- Being fully interlocked, cannot be switched "ON" until plug is inserted
- Plug cannot be withdrawn on load interlocking as per IEC 309
- Cover can be opened only when the switch is 'OFF' and plug withdrawn
- Glass filled nylon moulded terminal blocks for incoming and looping termination with acrylic shroud
- Two gland plates at bottom to receive incoming and looping cable

Application:
- Welding sets
- Machine tools
- Mobile generators
- Electric overhead cranes
- Furnaces & ovens
- Air conditioners
- Portable lighting equipments
- Converayers etc.

Major Customers:
1. Steel plants
2. Coal handling plants
3. Cement plants
4. General manufacturing industries
5. Thermal / Nuclear power plants
6. Petroleum/fertilizer industries

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