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SICAME AUSTRALIA PTY LTD

COMPANY OVERVIEW

We have over the years developed a business that encapsulates all the functionality of a modern manufacturing company, covering the disciplines of research & development, product design, testing, manufacturing and logistics. To accomplish this we have a highly geared and motivated team composing of manufacturing, engineering, administration and sales staff to support the growing business.

Our product offering covers a broad range including:
+ LV ABC fittings,
+ Tooling and test equipment,
+ LV and MV bare overhead fittings,
+ HV transmission fittings up to 500kV and OPGW ADSS.
+ Underground waterproof insulation piercing connectors
+ Custom designed and manufactured range of underground joints.

Add to the mix a full range of electrical safety equipment and personal protection. We lead the industry in the design, manufacturing of portable earthing systems and LV Bonding for overhead and underground. We also have a range of specialist connectors and fittings for the Industrial and commercial markets. Sicame Australia is well placed for the future.

OUR VISION

Our vision is to remain the leader in this field of technology in our region and to strengthen our market base by focusing on local and offshore markets where opportunities for our specialised technology exist.

OUR VALUES

+ We will present value to our customers by recognising their needs through innovation that will enhance their business. We will retain their loyalty because no other manufacturer can serve them so well.
+ We will meet the challenges of change in our business by innovation in the way we operate and with a commitment to embrace opportunity.
+ We will encourage our staff to grow with those opportunities to their full potential and to harness their ability through delegation, training, trust and open communication.
+ We will always be seen to maintain the highest standards of integrity and be perceived by our customers to be innovative, professional, secure and a strong dependable market leader.
+ We will continue to ensure that our products are designed and manufactured to the requirements of ISO international quality standards to which we are certified. We will ensure our products are supported by thorough training and will always be considered safe, technically superior, easy to use and readily available.
ILC IN-LINE PIERCING CONNECTOR

A general purpose in-line piercing connector for aluminium or copper insulated cable in the range of 6 - 95 mm².
+ Piercing connectors both sides
+ Employs proven shear head technology
+ Fully waterproof
+ Complies with relevant sections of AS4396
+ Fully insulated - no exposed live parts
+ No crimp tools required
+ Fits mains box below

INSTALLATION NOTES
Use only a 13mm AF, six point hexagon socket to tighten bolts.

All other connections made on the service and consumers cable must also be waterproof to prevent moisture ingress through the cable into the connector.

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Cable Range (sq mm)</th>
<th>Bolt Head A/F (mm)</th>
<th>Pack Size (pcs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ILC 695</td>
<td>6 to 95</td>
<td>13</td>
<td>10</td>
</tr>
<tr>
<td>ILC 635</td>
<td>6 to 35</td>
<td>13</td>
<td>10</td>
</tr>
<tr>
<td>ILC 3595</td>
<td>35 to 95</td>
<td>13</td>
<td>10</td>
</tr>
</tbody>
</table>

3 PHASE INDUSTRIAL MAINS BOX FOR IN-LINE PIERCING CONNECTORS

+ Fully insulated connection system
+ IP66 rated
+ Designed to house the ILC connectors (see above)
+ Fully UV Stabilised
+ Protects connectors from accidental damage or contact
+ Ideal for connecting commercial and industrial 200Amp services
+ Rear entry of consumer mains cable
+ Protects consumer mains cables from UV
+ Water shedding
+ Attractive design
+ Supplied complete with 4 x ILC connectors

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Description</th>
<th>Cable Size (mm²)</th>
<th>Number of ILC connectors included</th>
<th>Pack Size (pcs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCB3/4ILC</td>
<td>Three phase Industrial MCB supplied with connectors</td>
<td>6 to 95</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>MCB3/4ILC3595</td>
<td>Three phase Industrial MCB supplied with connectors</td>
<td>35 to 95</td>
<td>4</td>
<td>4</td>
</tr>
</tbody>
</table>

PLEASE NOTE: The products on this page can be ordered with high visibility shear-off identification tags. To order the products with these identification tags please add the suffix E to the end of the product number when ordering.

Recommended tool for all products: RPS13/17-6H or RPS13/17-6SH
MSC SERIES

The MSC series comprise a standard piercing connector coupled to a special multi-tap adaptor.

FEATURES

+ Cable entry joint seals at the side, parallel to main conductor. The linesman will always be working on the same plane.
+ Superior two stage cable joint caps. Improves moisture seal on minimum and maximum sized cables ensuring longevity of connection.
+ Shear-head bolts on the top of the connector. This means that the linesman is always working in the same orientation.
+ Inserted tin plated brass teeth (both sides) provide a bimetallic connection for both copper and aluminum conductors.
+ Optional high visibility yellow shear-head clips to indicate shear-head nuts have been properly operated. Can be seen from the ground.
+ The new connectors are available in red, white and blue in addition to the standard black to facilitate easier phase identification and load balancing.
+ Resealable test point on underside of connector.

# DENOTES COLOUR:
To order colour coding of the connectors please substitute # with the word BLUE, WHITE or RED.

eg. MSCI/3595X BLUE

To order connector with high visibility yellow shear-off identification tags please add E to product number when ordering.

eg. MSCI/3595X E BLUE

PLEASE NOTE: The products on this page can be ordered with high visibility shear-off identification tags. To order the products with these identification tags please add the suffix E to the end of the product number when ordering.

Recommended tool for all products: RPS13/17-6H or RPS13/17-6SH
The HSC series of connectors have been specially designed to connect consumers mains (house side) to insulated overhead service mains (service side). Fully insulated and equipped with torque control shear-head bolts, the HSC is safe and easy to use. No stripping of insulation is required on the service mains side. The consumers mains side requires 17mm of insulation to be stripped.

### HSC SERIES

**APPLICATION**
Service side: Insulated copper or aluminium
Mains side: Consumers mains cable (house)

**FEATURES**
+ Shear heads on both connections
+ Complies with relevant sections of AS4396
+ Fully bimetallic
+ Easily fits into Sicame Australia mains boxes MCB Series).
+ Totally insulated and waterproof

**TESTING SPECIFICATIONS**
Relevant sections of AS4396

**INSTALLATION NOTES**
Use only a 13mm AF, six point hexagon socket to tighten bolts.

All other connections made on the service and consumers cable must also be waterproof to prevent moisture ingress through the cable into the connector.

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Consumers Mains Cable House side (mm²)</th>
<th>Service Side Tap Range (mm²)</th>
<th>Copper Earth Tail Length (mm)</th>
<th>Lug Hole Size (mm)</th>
<th>Bolt Head A/F</th>
<th>Bonding Tail Size (mm²)</th>
<th>Pack Size (pcs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSC435</td>
<td>4 to 35</td>
<td>6 to 35</td>
<td>N/A</td>
<td>N/A</td>
<td>13</td>
<td>N/A</td>
<td>10</td>
</tr>
<tr>
<td>HSC435E</td>
<td>4 to 35</td>
<td>6 to 35</td>
<td>N/A</td>
<td>N/A</td>
<td>13</td>
<td>N/A</td>
<td>10</td>
</tr>
<tr>
<td>HSC435T</td>
<td>10 sq mm tail</td>
<td>200</td>
<td>N/A</td>
<td>N/A</td>
<td>13</td>
<td>N/A</td>
<td>10</td>
</tr>
<tr>
<td>HSC435TE</td>
<td>10 sq mm tail</td>
<td>200</td>
<td>N/A</td>
<td>N/A</td>
<td>13</td>
<td>N/A</td>
<td>10</td>
</tr>
<tr>
<td>HSC435I</td>
<td>4 to 35</td>
<td>800</td>
<td>10</td>
<td>13</td>
<td>16</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>HSC435I/1</td>
<td>4 to 35</td>
<td>500</td>
<td>12</td>
<td>13</td>
<td>16</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>HSC435I/1P</td>
<td>4 to 35</td>
<td>300</td>
<td>6</td>
<td>13</td>
<td>16</td>
<td>20</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Tin-Plated Copper Teeth</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSC435A</td>
<td>4 to 35</td>
</tr>
<tr>
<td>HSC435AE</td>
<td>4 to 35</td>
</tr>
<tr>
<td>HSC435B</td>
<td>4 to 35</td>
</tr>
<tr>
<td>HSC435BE</td>
<td>4 to 35</td>
</tr>
<tr>
<td>HSC435CE</td>
<td>4 to 35</td>
</tr>
<tr>
<td>HSC435TA</td>
<td>10 sq mm tail</td>
</tr>
<tr>
<td>HSC435TAE</td>
<td>10 sq mm tail</td>
</tr>
</tbody>
</table>

**Product Number**

<table>
<thead>
<tr>
<th>Description</th>
</tr>
</thead>
</table>

**PLEASE NOTE:** The products on this page can be ordered with high visibility shear-off identification tags. To order the products with these identification tages please add the suffix E to the end of the product number when ordering.

**Recommended tool for all products:** RPS13/17-6H or RPS13/17-6SH
SERVICE FITTINGS
HSC DOUBLE BOLT SERIES

The HSC series of connectors have been specially designed to connect consumers mains (house side) to insulated overhead service mains (service side). Fully insulated and equipped with torque control shear-head bolts, the HSC is safe and easy to use. No stripping of insulation is required on the service mains side. The consumers mains side requires 47mm of insulation to be stripped.

HSC DOUBLE BOLT SERIES

APPLYICATION
Service mains side: Insulated copper or aluminium
Mains domestic side: Consumers mains cable, accepts copper
Used as connection point on domestic dwellings, range taking 6-35 mm².

FEATURES
+ Fully bimetallic
+ Totally insulated and waterproof
+ Transparent window ensures cable is correctly inserted
+ Shear-head technology on both connections

INSTALLATION NOTES
Use only a 13mm AF, six point hexagon socket to tighten bolts.

All other connections made on the service and consumers cable must also be waterproof to prevent moisture ingress through the cable into the connector.

PRODUCT TABLE

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Consumers Mains Cable House side (mm²)</th>
<th>Service Side Tap Range (mm²)</th>
<th>Bolt Head A/F (mm)</th>
<th>Pack Size (pcs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSC435DB</td>
<td>4 to 35</td>
<td>6 to 35</td>
<td>13</td>
<td>10</td>
</tr>
<tr>
<td>HSC435DBE</td>
<td>4 to 35</td>
<td>6 to 35</td>
<td>13</td>
<td>10</td>
</tr>
</tbody>
</table>

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Recommended tool for all products: RPS13/17-6H or RPS13/17-6SH
SERVICE FITTINGS
CAW & CCW SERIES

The CCW and CAW series of connectors have been specially designed to provide a waterproof connection between insulated overhead services to a variety of bare overhead mains. Both single and double tap models are available.

CCW SERIES

Mains: Bare copper
Service: Insulated copper or aluminium
  + Piercing connector on service tap
  + Complies with relevant sections of AS4396
  + Disconnection of service by easy removal of the connector from the mains
  + Two tap (CCW235) model available

INSTALLATION NOTES
Use only a 13mm AF, six point hexagon socket to tighten bolts.
All other connections made on the service and consumers cable must also be waterproof to prevent moisture ingress through the cable into the connector.

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Mains Range</th>
<th>Service Taps</th>
<th>Pack Size (pcs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CCW35</td>
<td>7/1.00 to 19/3.00 Cu</td>
<td>5.5 to 135</td>
<td>3 to 15</td>
</tr>
<tr>
<td>CCW235</td>
<td>7/1.00 to 19/3.00 Cu</td>
<td>5.5 to 135</td>
<td>3 to 35</td>
</tr>
</tbody>
</table>

CAW SERIES

Mains: Bare aluminium
Service: Insulated copper or aluminium
  + Piercing connector on service tap
  + Complies with relevant sections of AS4396
  + Disconnection of service by easy removal of the connector from the mains
  + Two tap (CAW235) model available
  + Simple M8 socket operation

INSTALLATION NOTES
Use only a 13mm AF, six point hexagon socket to tighten bolts.
All other connections made on the service and consumers cable must also be waterproof to prevent moisture ingress through the cable into the connector.

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Mains Range</th>
<th>Service Taps</th>
<th>Pack Size (pcs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAW35</td>
<td>7/1.75 to 19/3.75 Al</td>
<td>16 to 210</td>
<td>5 to 19</td>
</tr>
<tr>
<td>CAW235</td>
<td>7/1.75 to 19/3.75 Al</td>
<td>16 to 210</td>
<td>5 to 35</td>
</tr>
</tbody>
</table>

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Recommended tool for all products: RPS13/17-6H or RPS13/17-6SH
SERVICE FITTINGS
CAW & CCW DOUBLE BOLT

The CCW and CAW series of connectors have been specially designed to provide a waterproof connection between insulated overhead services to a variety of bare overhead mains. Both single and double tap models are available.

CCW SERIES

APPLICATION
Mains: Bare copper
Service: Insulated copper or aluminium

FEATURES
+ Piercing connector on service tap
+ Disconnection of service by easy removal of the connector from the mains
+ Service connection fully sealed and waterproof
+ Bimetallic service connection, tin plated brass teeth
+ Transparent window ensures cable is correctly inserted

INSTALLATION NOTES
Use only a 13mm AF, six point hexagon socket to tighten bolts.

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Mains Range</th>
<th>Service Taps</th>
<th>Pack Size (pcs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CCW 35 DB</td>
<td>7/1:00 to 19/3.00 Cu</td>
<td>5.5 to 135</td>
<td>6 to 35</td>
</tr>
<tr>
<td>CCW 35 DB E</td>
<td>7/1:00 to 19/3.00 Cu</td>
<td>5.5 to 135</td>
<td>6 to 35</td>
</tr>
</tbody>
</table>

CAW SERIES

APPLICATION
Mains: Bare aluminium
Service: Insulated copper or aluminium

FEATURES
+ Piercing connector on service tap
+ Disconnection of service by easy removal of the connector from the mains
+ Service connection fully sealed and waterproof
+ Bimetallic service connection, tin plated brass teeth
+ Transparent window ensures cable is correctly inserted

INSTALLATION NOTES
Use only a 13mm AF, six point hexagon socket to tighten bolts.

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Mains Range</th>
<th>Service Taps</th>
<th>Pack Size (pcs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAW 35 DB</td>
<td>7/1:75 to 19/3.75 Al</td>
<td>16 to 210</td>
<td>5 to 19</td>
</tr>
<tr>
<td>CAW 35 DB E</td>
<td>7/1:75 to 19/3.75 Al</td>
<td>16 to 210</td>
<td>5 to 19</td>
</tr>
</tbody>
</table>

PLEASE NOTE: The products on this page can be ordered with high visibility shear-off identification tags. To order the products with these identification tags please add the suffix E to the end of the product number when ordering.

Recommended tool for all products: RPS13/17-6H or RPS13/17-6SH
SERVICE FITTINGS
MAINS CONNECTION BOXES

MCB SERIES - MAINS CONNECTION BOX

+ Fully insulated connection system
+ Plug in HSC’s providing bi-metal connection of service cables and consumers mains
+ Base suitable for rear entry of consumers mains
+ Eliminates UV degradation of PVC consumers mains
+ Cover allows for easy exit of bonding tail HSC435/1 series
+ Heavy duty polyamide UV stabilised construction

Please Note: Use only a 13mm AF, six point hexagon socket to tighten the HSC bolts.

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Description</th>
<th>Number of HSC435 connectors included</th>
<th>Pack Size (pcs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCB1/2H</td>
<td>Single phase MCB supplied with connectors</td>
<td>2</td>
<td>10</td>
</tr>
<tr>
<td>MCB3/4H</td>
<td>Three phase MCB supplied with connectors</td>
<td>4</td>
<td>6</td>
</tr>
</tbody>
</table>

PLEASE NOTE: The products on this page can be ordered with high visibility shear-off identification tags. To order the products with these identification tages please add the suffix E to the end of the product number when ordering.

Recommended tool for all products: RPS13/17-6H or RPS13/17-6SH
A flat blade screw is required to remove the MCB cover.
SERVICE FITTINGS
PFV SERIES

PFV SERIES SERVICE FUSE HOLDER

APPLICATION
Insulated XLPE aluminium or copper cables, Suitable for mounting on pole or house using appropriate bracket. Primary House Service Fuse

FEATURES
+ Range of brackets to suit various applications including replacements
+ Insulation piercing connections on line and load sides
+ Insulated top mounting M8 shear head bolts
+ Underside entry cable connection ports creating drip loops on all installations
+ Accepts up to 100 amp BS style cartridge (58 x 22mm)
+ U.V. stabilised polymeric body with anti-flame retardant
+ Can be ganged to three phases using PFBKT3 or HFBKT3
+ U.V. stabilised bird guards over cable seals
+ Completely waterproof bi-metallic connections.
+ Stainless steel mounting bolt
+ IP44 rated

TESTING SPECIFICATION
Relevant sections of AS/NZS 60269
Salt fog tracking tests
Additional temperature rise tests on service cables not specified in the standard

MOUNTING BRACKET OPTIONS

<table>
<thead>
<tr>
<th>Bracket Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PFBKT1</td>
<td>1 phase pole mount bracket</td>
</tr>
<tr>
<td>PFBKT3</td>
<td>3 phase pole mount bracket</td>
</tr>
<tr>
<td>HFBKT3</td>
<td>3 phase wall mount bracket</td>
</tr>
<tr>
<td>HFBKT1</td>
<td>1 phase wall mount bracket</td>
</tr>
</tbody>
</table>

Pole or house mounted fuse holders and accessories. 100 amp single phase, “pig-tail stick” operated, service fuse for house or pole mounting.

PFV SERIES SERVICE FUSE HOLDER

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Description</th>
<th>Cable Range (mm²)</th>
<th>Pack Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>PFV100</td>
<td>Fuse Disconnector 100 amp BS style (58 x 22)</td>
<td>6 to 35</td>
<td>20</td>
</tr>
<tr>
<td>PFV100K1T</td>
<td>Fuse - 100 amp BS style includes PFVAB1 adaptor bracket installed</td>
<td>6 to 35</td>
<td>12</td>
</tr>
<tr>
<td>PFV100 695</td>
<td>Fuse Disconnector 100 amp BS style (58 x 22)</td>
<td>6 to 95</td>
<td></td>
</tr>
</tbody>
</table>

ACCESSORIES

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Description</th>
<th>Pack Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>PFBKT1</td>
<td>Pole bracket single phase</td>
<td>20</td>
</tr>
<tr>
<td>PFBKT3</td>
<td>Pole bracket three phase</td>
<td>15</td>
</tr>
<tr>
<td>HFBKT1</td>
<td>House bracket single phase</td>
<td>20</td>
</tr>
<tr>
<td>HFBKT3</td>
<td>House bracket three phase</td>
<td>15</td>
</tr>
<tr>
<td>PFVAB1</td>
<td>Adaptor bracket to fit PFV100 to swan neck pin</td>
<td>40</td>
</tr>
<tr>
<td>FUSE BS100</td>
<td>100 amp BS Cartridge (58x22mm)</td>
<td>1</td>
</tr>
</tbody>
</table>

PLEASE NOTE: The products on this page can be ordered with high visibility shear-off identification tags. To order the products with these identification tages please add the suffix E to the end of the product number when ordering.

Recommended tool for all products: RPS13/17-6H or RPS13/17-6SH
SERVICE FITTINGS
PFV SERIES WITH ID PLATES

PFV SERIES SERVICE FUSE HOLDER WITH HOUSE NUMBER ID PLATE

Refer previous page (PFV Series) for application, features, specification and installation notes.

House number identification plates feature user removable segments.

House numbers are bright yellow and easily readable from ground level. ID plate clearly identifies the fuse unit applicable to each house connected at the pole.

Mounting Bracket Options

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Description</th>
<th>Cable Range (mm²)</th>
<th>Pack Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>PFV100 695 E IDP</td>
<td>Fuse Disconnector 100 amp BS style (58 x 22), with house number ID plate and shear indicator clip</td>
<td>6 to 95</td>
<td>20</td>
</tr>
</tbody>
</table>

Accessories

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Description</th>
<th>Pack Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>PF NPA</td>
<td>Retro-fitting house number ID plate, suitable for fuse holders PFV100 and PFV100 695</td>
<td></td>
</tr>
<tr>
<td>PFIDP</td>
<td>Fuse carrier (100 amp max) with house number ID plate to suit PFV100 and PFV100 695</td>
<td></td>
</tr>
</tbody>
</table>

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Recommended tool for all products: RPS13/17-6H or RPS13/17-6SH
LVABC CONNECTORS
WBC SERIES

A transitional joint for very small conductors connecting to equipment only designed for large conductors. Ideally suited for street light cables where particularly small conductors can be connected to larger main cables.

WATER BLOCKING CONNECTOR

APPLICATION
A connector to stop moisture and water travelling from one electrical cable system to another or as a transitional joint for very small conductors connecting to equipment only designed for large conductors.

FEATURES
+ Provides a fully sealed, waterproof connection
+ Torque controlling shear heads on all bolts
+ Tightening bolts do not come into contact with live components
+ Has a tail that is fully sealed within the body which can be inserted into the equipment
+ Comes complete with a test point

TESTING SPECIFICATION
AS/NZS 4396:1999
Insulation Piercing for 0.6/1kV Aerial Bundled Cables

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Cable Range (mm²)</th>
</tr>
</thead>
<tbody>
<tr>
<td>WBC125</td>
<td>1.5 - 25</td>
</tr>
<tr>
<td>WBC125E</td>
<td>1.5 - 25</td>
</tr>
</tbody>
</table>

PLEASE NOTE:
E = Comes with high visibility yellow shear-head identification tags.

PLEASE NOTE: The products on this page can be ordered with high visibility shear-off identification tags. To order the products with these identification tags please add the suffix E to the end of the product number when ordering.

Recommended tool for all products: RPS13/17-6H or RPS13/17-6SH
WATERPROOF PIERCING CONNECTORS
PIRANHA - MUCI SERIES

APPLICATION
For the waterproof, underground connection of 2, 3 or 4 conductors. Suitable for copper or aluminium insulated cables, single or double insulated from 6 to 50 sq mm. Ideal for connecting cables in pillar boxes, buried connection pits and streetlight columns.

FEATURES
+ waterproof
+ torque controlling shear head bolts for correct contact pressure
+ no need to strip cable
+ flexible cable entry ports
+ fitted with push-on protective bolt caps

TESTING SPECIFICATIONS
Contact Sicame for details.

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Number of Connection Ports</th>
<th>Conductor Size Range (mm²)</th>
<th>Bolt AF (mm)</th>
<th>Pack Size (pcs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUCI2/650</td>
<td>2</td>
<td>6 to 50</td>
<td>13</td>
<td>20</td>
</tr>
<tr>
<td>MUCI3/650</td>
<td>3</td>
<td>6 to 50</td>
<td>13</td>
<td>6</td>
</tr>
<tr>
<td>MUCI4/650</td>
<td>4</td>
<td>6 to 50</td>
<td>13</td>
<td>12</td>
</tr>
<tr>
<td>MUCIBOLTYELLOW 13-17</td>
<td>N/A</td>
<td>N/A</td>
<td>13</td>
<td>1</td>
</tr>
<tr>
<td>MUCI/H</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Gripping handle for MUCI4/650 & MUCI2/650

Cable types and ranges are nominal and indicative only. Suitability of cable type and size should be confirmed with Sicame prior to application.

Recommended tool for all products: RPS13/17-6H or RPS13/17-6SH
UNDERGROUND CONNECTORS
WATERPROOF IN-LINE FUSE

SILF™- WATERPROOF IN-LINE FUSE

APPLICATION
The SILF™ can be used in:
+ Street lighting on columns and poles
+ Underground pits and pillars in distribution systems for units, town houses or factory complexes
+ On poles for service lines
+ At pumps and water reticulation systems.

FEATURES
+ Insulated contact bolts with shear-heads for torque control
+ Bolts may also be removed to disconnect the fuse holder
+ Accommodates a wide range of cable sizes, clearly marked on the side
+ Amp rating permanently marked on the fuse holder body
+ Tinned brass tunnel connection chamber
+ Totally sealed against moisture and water
+ Hermetically sealed chamber for fuse cartridge
+ Advanced and proven cable entry seal prevents water ingress
+ Inexpensive and cost effective
+ Each carton packaged with reusable application tool
+ Over moulding is UV stabilised
+ Easily identified as a fuse. Permanently marked in moulding.

FEATURES
Fuse Cartridge
+ 415V, 80kA high rupture capacity (HRC) fuse in accordance with IEC 60269

Complete Unit
+ Temperature rise and non deterioration of contacts tests to AS/NZS 60269
+ Water proofing test to ANSI C119.1
+ 960 deg C glow wire test certified

INSTALLATION NOTES
For tightening of the shear-head bolts, use the plastic spanner included. See below.

<table>
<thead>
<tr>
<th>PRODUCT NUMBER</th>
<th>FUSE SIZE</th>
<th>CONDUCTOR SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>SILF 6</td>
<td>8 amp</td>
<td>1.5 mm² to 18 mm²</td>
</tr>
<tr>
<td>SILF 16</td>
<td>16 amp</td>
<td>1.5 mm² to 18 mm²</td>
</tr>
<tr>
<td>SILF 20</td>
<td>20 amp</td>
<td>1.5 mm² to 18 mm²</td>
</tr>
</tbody>
</table>

Recommended tool for all products: Plastic spanner included with SILFs.
Product Data Sheet
PHMS4-16-95

Description and application: The PHMS4-16-95 Piranha™ is a general purpose multi-port waterproof insulation piercing connector, ideal for use in wet areas or in areas subject to casual submersion (i.e. connection pits, hand-holes and man-holes). It will provide a waterproof connection for up to four cables without the need to strip the cable or to apply heat-shrink, resins or gels.

Connection ports: 4 mains/service ports. Each connector can connect up to 4 cables (of the same phase) to each other.

Contact type: Torque controlled insulation piercing shear-head bolts on all ports.

Cable range*: 16 to 95mm², circular copper or aluminium on all ports.

Over-moulding: Single piece, black synthetic rubber

Test Specification: ANSI C119.1

*All Piranhas™ are designed for use on low voltage (0.6/1kV) single core cables, or a single core from a multi-core LV cable. Cable types and ranges are indicative only. Suitability of cable type and size should be confirmed with Sicame Australia prior to application. Not suitable for flexible or welding cables.

Watch the Piranha™ Video! www.sicame.com.au
Product Data Sheet
PHMS4-16-95

Features

- Fully insulated, no exposed live parts.
- Connector body manufactured from high strength, light weight aluminium alloy.
- Piercing teeth manufactured from high strength, tin plated diecast brass.
- One-piece, thermoplastic rubber over-moulding provides long-lasting water-tight seals.
- All seals are pre-greased with silicone grease.
- Fully insulated rugged 19mm AF plastic shear heads suitable for impact wrench installation.
- UV stabilised over-moulding. Can be used in both overhead and underground applications.
- No stripping of cables required.
- No gels, resins or heat-shrink required.
- Only basic tools needed.

*Three easy steps for installation:

1. Set into position, cut to length and clean the cables.
2. Loosen the Piranha’s contact bolts, remove the port sealing cap, apply silicone grease to the cable and insert it into the connector.
3. Tighten the Piranha’s bolts until the heads shear off.

*Basic steps only. Please contact us for fully detailed installation instructions.
# Product Data Sheet

## PHM4-16-95

**Description and application**
The PHM4-16-95 Piranha™ is a general purpose multi-port waterproof insulation piercing connector, ideal for use in wet areas or in areas subject to casual submersion (i.e. connection pits, hand-holes and man-holes). It will provide a waterproof connection for up to four cables without the need to strip the cable or to apply heat-shrink, resins or gels.

<table>
<thead>
<tr>
<th><strong>Ports</strong></th>
<th>4 mains/service ports. Each connector can connect up to 4 cables (of the same phase) to each other.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Contact type</strong></td>
<td>Torque controlled insulation piercing shear-head bolts on all ports.</td>
</tr>
<tr>
<td><strong>Cable range</strong>*</td>
<td>16 to 95mm², circular copper or aluminium on all ports.</td>
</tr>
<tr>
<td><strong>Over-moulding</strong></td>
<td>Single piece, black synthetic rubber.</td>
</tr>
<tr>
<td><strong>Test Specification</strong></td>
<td>ANSI C119.1</td>
</tr>
</tbody>
</table>

*All Piranhas™ are designed for use on low voltage (0.6/1kV) single core cables, or a single core from a multi-core LV cable. Cable types and ranges are indicative only. Suitability of cable type and size should be confirmed with Sicame Australia prior to application. Not suitable for flexible or welding cables.*

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Watch the Piranha™ Video!  
www.sicame.com.au
Product Data Sheet

PHM4-16-95

Features

♦ Fully insulated, no exposed live parts  
♦ Connector body manufactured from high strength, light  
weight aluminium alloy.  
♦ Piercing teeth manufactured from high strength, tin plat- 
ed diecast brass.  
♦ One-piece, thermoplastic rubber over-mould provides  
long-lasting water-tight seals.  
♦ All seals are pre-greased with silicone grease.  
♦ Fully insulated rugged 19mm AF plastic shear heads suita- 
ble for impact wrench installation.  
♦ Can be used in both overhead (black type) and under- 
ground applications.  
♦ No stripping of cables required.  
♦ No gels, resins or heat-shrink required  
♦ Only basic tools needed

Three easy steps for installation:

1. Set into position, cut to length and clean the cables
2. Loosen the Piranha’s contact bolts, remove the port sealing caps,  
apply silicone grease to the cable and insert it into the connector
3. Tighten the Piranha’s bolts until the heads shear off.

*Basic steps only. Please contact us for fully detailed installation instructions.
### Description and application

The PHM4-95-300 Piranha™ is a general purpose multi-port waterproof insulation piercing connector, ideal for use in wet areas or in areas subject to casual submersion (i.e. connection pits, hand-holes and man-holes). It will provide a waterproof connection for up to five cables without the need to strip the cable or to apply heat-shrink, resins or

### Ports

4 mains/service ports. Each connector can connect up to 4 cables (of the same phase) to each other.

### Contact type

Torque controlled insulation piercing shear-head bolts on all ports.

### Cable range*

95 to 300mm², circular copper or aluminium on all ports.

### Over-moulding

Single piece, black synthetic rubber.

### Test Specification

ANSI C119.1

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*All Piranhas™ are designed for use on low voltage (0.6/1kV) single core cables, or a single core from a multi-core LV cable. Cable types and ranges are indicative only. Suitability of cable type and size should be confirmed with Sicame Australia prior to application. Not suitable for flexible or welding cables.

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**Features**

- Fully insulated, no exposed live parts
- Connector body manufactured from high strength, lightweight aluminium alloy.
- Piercing teeth manufactured from high strength, tin-plated diecast brass.
- One-piece, thermoplastic rubber over-mould provides long-lasting water-tight seals.
- All seals are pre-greased with silicone grease.
- Fully insulated rugged 19mm AF plastic shear heads suitable for impact wrench installation.
- Can be used in both overhead (black type) and underground applications.
- No stripping of cables required.
- No gels, resins or heat-shrink required
- Only basic tools needed

**Typical applications**—PHM4-16-95 shown

*Three easy steps for installation:*

1. Set into position, cut to length and clean the cables
2. Loosen the Piranha’s contact bolts, remove the port seal caps, apply silicone grease to the cable and insert it into the connector
3. Tighten the Piranha’s bolts until the heads shear off.

*Basic steps only. Please contact us for fully detailed installation instructions.*
The PHM5-16-95 Piranha™ is a general purpose multi-port waterproof insulation piercing connector, ideal for use in wet areas or in areas subject to casual submersion (i.e. connection pits, hand-holes and man-holes). It will provide a waterproof connection for up to five cables without the need to strip the cable or to apply heat-shrink, resins or gels.

<table>
<thead>
<tr>
<th><strong>Ports</strong></th>
<th>5 mains/service ports. Each connector can connect up to 5 cables (of the same phase) to each other.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Contact type</strong></td>
<td>Torque controlled insulation piercing shear-head bolts on all ports.</td>
</tr>
<tr>
<td><strong>Cable range</strong></td>
<td>16 to 95mm² circular copper or aluminium on all ports.</td>
</tr>
<tr>
<td><strong>Over-moulding</strong></td>
<td>Single piece, black synthetic rubber.</td>
</tr>
<tr>
<td><strong>Test Specification</strong></td>
<td>ANSI C119.1</td>
</tr>
</tbody>
</table>

*All Piranhas™ are designed for use on low voltage (0.6/1kV) single core cables, or a single core from a multi-core LV cable. Cable types and ranges are indicative only. Suitability of cable type and size should be confirmed with Sicame Australia prior to application. Not suitable for flexible or welding cables.*
Features

- Fully insulated, no exposed live parts
- Connector body manufactured from high strength, light weight aluminium alloy.
- Piercing teeth manufactured from high strength, tin plated diecast brass.
- One-piece, thermoplastic rubber over-mould provides long-lasting water-tight seals.
- All seals are pre-greased with silicone grease.
- Fully insulated rugged 19mm AF plastic shear heads suitable for impact wrench installation.
- Can be used in both overhead (black type) and underground applications.
- No stripping of cables required.
- No gels, resins or heat-shrink required
- Only basic tools needed

Three easy steps for installation:

1. Set into position, cut to length and clean the cables.
2. Loosen the Piranha’s contact bolts, remove the port sealing caps, apply silicone grease to the cable and insert it into the connector.
3. Tighten the Piranha’s bolts until the heads shear off.

*Basic steps only. Please contact us for fully detailed installation instructions.

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The information presented here is subject to change without prior notice. Document Version 5 022015.
# PHM5-95-240

## Description and application

The PHM5-95-240 Piranha™ is a general purpose multi-port waterproof insulation piercing connector, ideal for use in wet areas or in areas subject to casual submersion (i.e. connection pits, hand-holes and man-holes). It will provide a waterproof connection for up to five cables without the need to strip the cable or to apply heat-shrink, resins or gels.

## Ports

5 mains/service ports. Each connector can connect up to 5 cables (of the same phase) to each other.

## Contact type

Torque controlled insulation piercing shear-head bolts on all ports.

## Cable range*

95 to 240mm², circular copper or aluminium on all ports.

## Over-moulding

Single piece, black synthetic rubber.

## Test Specification

ANSI C119.1

*All Piranhas™ are deigned for use on low voltage (0.6/1kV) single core cables, or a single core from a multi-core LV cable. Cable types and ranges are indicative only. Suitability of cable type and size should be confirmed with Sicame Australia prior to application. Not suitable for flexible or welding cables.

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**Watch the Piranha™ Video!**

www.sicame.com.au
Features

- Fully insulated, no exposed live parts
- Connector body manufactured from high strength, lightweight aluminium alloy.
- Piercing teeth manufactured from high strength, tin plated diecast brass.
- One-piece, thermoplastic rubber over-mould provides long-lasting water-tight seals.
- All seals are pre-greased with silicone grease.
- Fully insulated rugged 19mm AF plastic shear heads suitable for impact wrench installation.
- Can be used in both overhead (black type) and underground applications.
- No stripping of cables required.
- No gels, resins or heat-shrink required
- Only basic tools needed

*Three easy steps for installation:

1. Set into position, cut to length and clean the cables
2. Loosen the Piranha’s contact bolts, remove the port seal caps, apply silicone grease to the cable and insert them into the connector
3. Tighten the Piranha’s bolts until the heads shear off.

*Basic steps only. Please contact us for fully detailed installation instructions.
### Description and application

The PHM6-16-240 Piranha™ is a general purpose multi-port waterproof insulation piercing connector, ideal for use in wet areas or in areas subject to casual submersion (i.e. connection pits, hand-holes and man-holes). It will provide a waterproof connection for up to six cables without the need to strip the cable or to apply heat-shrink, resins or gels.

### Ports

- 2 mains ports (centre ports), 4 service ports (outside ports). Each connector can connect up to 6 cables (of the same phase) to each other.

### Contact type

- Torque controlled insulation piercing shear-head bolts on all ports.

### Cable range*

- 120 to 240mm² circular copper or aluminium on mains ports.
- 16 to 95mm² circular copper or aluminium on service ports.

### Over-moulding

- Single piece, black synthetic rubber.

### Test Specification

- ANSI C119.1

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*All Piranhas™ are designed for use on low voltage (0.6/1kV) single core cables, or a single core from a multi-core LV cable. Cable types and ranges are indicative only. Suitability of cable type and size should be confirmed with Sicame Australia prior to application. Not suitable for flexible or welding cables.
Features

- Fully insulated, no exposed live parts
- Connector body manufactured from high strength, light weight aluminium alloy.
- Piercing teeth manufactured from high strength, tinned diecast brass.
- One-piece, thermoplastic rubber over-mould provides long-lasting water-tight seals.
- All seals are pre-greased with silicone grease.
- Fully insulated rugged 19mm AF plastic shear heads suitable for impact wrench installation.
- Can be used in both overhead (black type) and underground applications.
- No stripping of cables required.
- No gels, resins or heat-shrink required
- Only basic tools needed

*Three easy steps for installation:*

1. Set into position, cut to length and clean the cables
2. Loosen the Piranha’s contact bolts, remove the port seal caps, apply silicone grease to the cable and insert them into the connector
3. Tighten the Piranha’s bolts until the heads shear off.

*Basic steps only. Please contact us for fully detailed installation instructions.*