Metalclad Plus
Connection Units & 20A DP Switches
1:2

Standards and approvals
Fuses are to BS 1362.

PRODUCT RANGE

<table>
<thead>
<tr>
<th>13A DP Connection unit, switched</th>
<th>K942 ALM</th>
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</thead>
<tbody>
<tr>
<td>with tamper-proof fuse screw</td>
<td>K942 KD ALM</td>
</tr>
<tr>
<td>with front flex outlet</td>
<td>K962 ALM</td>
</tr>
<tr>
<td>with neon indicator</td>
<td>K962 D6 ALM</td>
</tr>
<tr>
<td>with neon indicator &amp; red rocker</td>
<td>K972 ALM</td>
</tr>
<tr>
<td>with front flex outlet &amp; neon indicator</td>
<td>K972 D6 ALM</td>
</tr>
<tr>
<td>with front flex outlet neon indicator &amp; red rks</td>
<td>K963 KD ALM</td>
</tr>
<tr>
<td>with secret key, neon &amp; tamper-proof screw</td>
<td>K989 ALM</td>
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</tbody>
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<table>
<thead>
<tr>
<th>13A Connection units, unswitched</th>
<th>K954 ALM</th>
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</thead>
<tbody>
<tr>
<td>with tamper-proof fuse screw</td>
<td>K954 KD ALM</td>
</tr>
<tr>
<td>with front flex outlet</td>
<td>K989 ALM</td>
</tr>
<tr>
<td>with front flex outlet, fitted with 5 amp fuse</td>
<td>K989D1ALM</td>
</tr>
<tr>
<td>with neon indicator</td>
<td>K983 ALM</td>
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<tr>
<td>with front flex outlet &amp; neon indicator</td>
<td>K986 ALM</td>
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<table>
<thead>
<tr>
<th>20A DP switches</th>
<th>K5212 ALM</th>
</tr>
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<tbody>
<tr>
<td>with neon indicator</td>
<td>K5232 ALM</td>
</tr>
<tr>
<td>with front flex outlet &amp; neon indicator</td>
<td>K5242 ALM</td>
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</tbody>
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Description
A range of 13A fused connection units and 20A DP switches designed for the connection of refrigerators, water heaters, central heating boilers and other fixed appliances. The ranges are designed for ease of installation and have the advantageous design features of the Metalclad Plus range.

Neon indicators
Neon indicators can be included in the rockers of the switched connection units. In the case of unswitched units, they are located centrally and uppermost on the face plate. Neon indicators are integrally wired into the product and do not require separate connection when installing. The design gives 170° visibility in the horizontal and vertical planes.

Features
- Optional indicators in the switch rockers with 170° visibility in the horizontal and vertical planes
- Worm-drive operated fuse carriers for additional security (tamper-proof version available)
- Fuse carrier lockable in open position
- All supply and load cables can be cut and stripped to the same length
- Integrially wired indicators save installation time
- Push-fit cord grips, for safer, quicker installation
- Angled, top mounted terminal screws simplify wiring
- Moulded ‘on’ indicator flash on switches cannot rub off – totally safe
- Captive fuse carrier
- Additional electrical safety from neutral ‘make first’, ‘break last’ feature
- Secure cable and flexible cord connection
- All terminal and fixing screws operated by one-size (4mm) screwdriver
- Backed out and captive terminal screws

Note: These switches are not recommended for switching large banks of PCs

Fuse carriers
These are captive and are opened by a fast acting, screwdriver operated worm drive for ease of replacement.
A tamper-proof version is also available.
Fuse carriers can be locked open using a padlock, List No. K2000.

Flex outlets
The products are equipped with very strong, push-fit nylon cord grips making installation safe, quick and easy.
TECHNICAL SPECIFICATION

**Electrical**
- Voltage rating: 250V a.c.
- Current rating:
  - Connection units – 13 amp
  - DP switches – 20 amp
- Terminal capacity:
  - Supply terminal: 2 x 6mm² stranded, 2 x 4mm², 3 x 2.5mm²
  - Load terminals: 2 x 6mm² stranded, 2 x 4mm², 3 x 2.5mm²
  - (1 x 6mm² on earth terminal)
- Flex outlet/cord grip capacities:
  - Connection units: min: 2 core, 0.5mm, max: 3 core, 1.5mm
  - 20 amp DP switches: min: 3 core, 1.5mm, max: 3 core, 2.5mm

**Physical**
- Ambient operating temperature: –5°C to +40°C (not to exceed an average of more than 25°C in any 24 hour period)
- IP rating: IP4X
- Max. installation altitude: 2000 metres

**Box types**

Supplied with a box having 2 x 20 mm knockouts in one side, as well as 1 x 20 mm knockouts in each of the other three sides and the bottom of the box.

Spare boxes are available without side knockouts (K829 ALM).

All boxes have a knockout in the base.

**Installation**

Metalclad Plus connection units and 20A cable outlets and switches can be wall or bench mounted. Do not use on a trailing lead.

**Wiring**

Products must be installed in accordance with current IEE Regulations.