Masterseal™ Compact

Ingress Protected IP66

Catalogue No.R2
The new and innovative Masterseal™ Compact range of switches and sockets from MK, has been specifically designed for use in either outdoor or indoor environments and in areas heavily exposed to dust and splashing water. Sealed to IP66 and tested by MK well in excess of British Standard, it will protect you and your electrical supply in the unfriendliest of environments.

In addition to its ease of installation, the range is aesthetically pleasing with a modern, slim and curved design, allowing the switches and sockets to blend easily with their surroundings.

**Waterproof and Dustproof**
Offers protection from strong jets of water from any direction, and protection from dust, sawdust and small particles

**Durable Material**
The use of high quality plastic prevents discoloration, cracking or fading in UV light

**Temperature Tolerant**
Reliable in operation during extremes of heat or cold

**Robust Construction**
A robust range of products made with polycarbonate, one of the toughest thermoplastics available in the world.

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**POLYCARBONATE HOUSING**
Offers high impact protection

**SCIENTIFICALLY FORMULATED GEL SEAL**

**SWITCH & UNSWITCHED SOCKET OUTLET**

**EASY LIFT SOCKET LID DESIGN**

**ACCOMMODATES VIRTUALLY ANY BRITISH STANDARD 13 AMP PLUG**

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Water proof connection to safeguard home and family

Dust proof connection to safeguard work areas.

Masterseal™ Compact’s unique design means socket outlets retain their IP66 rating when in use.
The launch of 13 new products of Translucent Lid into Masterseal Compact Range

Masterseal™ Compact’s 1 gang switched socket outlet, SP switches and DP switches are now available in Translucent Lid, allowing visibility of the neon when the socket is being switched on.

This range is recommended to be installed where users required a clear visual indication that switches are ‘ON’ without opening the cover lid, such as in the garden to support lawn mowers and hedge trimmers.

The Translucent Lid offers an alternative to the standard product, which allow to check on the switch or socket without opening the Lid thus enhancing work site safety.

- Available in White and Grey
- Service Back Box available
- Compatible with certain accessories from the UK Masterseal™ range
### Socket Outlets

13 AMP & 15 AMP

- **SM86893**
  - GRY
  - WHI
  - 15AMP 1 gang
  - Switched
  - Translucent Lid

### Switches

10 AX

- **SM86893**
  - TC GRY
  - WHI
  - 15AMP 1 gang
  - Switched with Translucent Lid

### Service Module Range (Without Back Box)

- **SM86486**
  - GRY
  - WHI
  - 13AMP 1 gang SP
  - Switched

- **SM86486**
  - TC GRY
  - WHI
  - 13AMP 1 gang SP
  - Switched with Translucent Lid

- **SM86486**
  - GRY
  - WHI
  - 13AMP 1 gang
  - Unswitched

- **SM86486**
  - TC GRY
  - WHI
  - 13AMP 1 gang
  - Unswitched

- **SM86480**
  - GRY
  - WHI
  - 13AMP 1 gang
  - Switched

- **SM86480**
  - TC GRY
  - WHI
  - 13AMP 1 gang
  - Switched with Translucent Lid

- **SM86480**
  - GRY
  - WHI
  - 13AMP 1 gang
  - Unswitched

- **SM86480**
  - TC GRY
  - WHI
  - 13AMP 1 gang
  - Unswitched

- **SM86401**
  - GRY
  - WHI
  - 10AX 1 gang
  - 2 way SP switch

- **SM86401**
  - TC GRY
  - WHI
  - 10AX 1 gang
  - 2 way SP switch with Translucent Lid

- **SM86402**
  - GRY
  - WHI
  - 10AX 2 gang
  - 2 way SP switch

- **SM86402**
  - TC GRY
  - WHI
  - 10AX 2 gang
  - 2 way SP switch with Translucent Lid

- **SM86402**
  - GRY
  - WHI
  - 10AX 2 gang
  - 2 way SP switch

- **SM86402**
  - TC GRY
  - WHI
  - 10AX 2 gang
  - 2 way SP switch with Translucent Lid
Switches

10 AX

10 AMP

Connection Unit

13 AMP

Switch Modular

20 AMP

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86403 GRY
86403 WHI
10 AX 3 gang
2 way SP switch

86403 TC GRY
86403 TC WHI
10 AX 3 gang
2 way SP switch with Translucent Lid

86407B GRY
86407B WHI
10 AMP 1 gang
1 way SP push switch marked ‘BELL’

86407B TC GRY
86407B TC WHI
10 AMP 1 gang
1 way SP push switch marked ‘BELL’ with Translucent Lid

86407P GRY
86407P WHI
10 AMP 1 gang
1 way SP push switch marked ‘PRESS’

86407P TC GRY
86407P TC WHI
10 AMP 1 gang
1 way SP push switch marked ‘PRESS’ with Translucent Lid

86072 GRY
86072 WHI
13 AMP
13 AMP switched fused connection unit with front flex outlet

86072 TC GRY
86072 TC WHI
13 AMP switched fused connection unit with front flex outlet with Translucent Lid

86243 GRY
86243 WHI
1 gang 20 AX
DP switch with neon

86243 TC GRY
86243 TC WHI
1 gang 20 AX
DP switch with neon and Translucent Lid

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Service Module Range (Without Back Box)

SM86403 GRY
SM86403 WHI
10 AX 3 gang
2 way SP switch

SM86403 TC GRY
SM86403 TC WHI
10 AX 3 gang
2 way SP switch with Translucent Lid

SM86407B GRY
SM86407B WHI
10 AMP 1 gang
1 way SP push switch marked ‘BELL’

SM86407B TC GRY
SM86407B TC WHI
10 AMP 1 gang
1 way SP push switch marked ‘BELL’ with Translucent Lid

SM86407P GRY
SM86407P WHI
10 AMP 1 gang
1 way SP push switch marked ‘PRESS’

SM86407P TC GRY
SM86407P TC WHI
10 AMP 1 gang
1 way SP push switch marked ‘PRESS’ with Translucent Lid

SM86072 GRY
SM86072 WHI
13 AMP
13 AMP switched fused connection unit with front flex outlet

SM86072 TC GRY
SM86072 TC WHI
13 AMP switched fused connection unit with front flex outlet with Translucent Lid

SM86243 GRY
SM86243 WHI
1 gang 20 AX
DP switch with neon

SM86243 TC GRY
SM86243 TC WHI
1 gang 20 AX
DP switch with neon and Translucent Lid
INGRESS PROTECTED IP66

**Voice Outlet**

**RJ 11**

<table>
<thead>
<tr>
<th>Service Module Range (Without Back Box)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SM 86431 GRY</strong></td>
</tr>
<tr>
<td><strong>SM 86431 WHI</strong></td>
</tr>
<tr>
<td>20AX 1 gang 2 way SP switch</td>
</tr>
<tr>
<td><strong>SM 86431 TC GRY</strong></td>
</tr>
<tr>
<td><strong>SM 86431 TC WHI</strong></td>
</tr>
<tr>
<td>20AX 1 gang 2 way SP switch with</td>
</tr>
<tr>
<td>Translucent Lid</td>
</tr>
<tr>
<td><strong>SM 86503 GRY</strong></td>
</tr>
<tr>
<td><strong>SM 86503 WHI</strong></td>
</tr>
<tr>
<td>20AX 1 gang 1 way DP switch</td>
</tr>
<tr>
<td><strong>SM 86503 TC GRY</strong></td>
</tr>
<tr>
<td><strong>SM 86503 TC WHI</strong></td>
</tr>
<tr>
<td>20AX 1 gang 1 way DP switch with</td>
</tr>
<tr>
<td>Translucent Lid</td>
</tr>
<tr>
<td><strong>SM 86432 GRY</strong></td>
</tr>
<tr>
<td><strong>SM 86432 WHI</strong></td>
</tr>
<tr>
<td>20AX 2 gang 2 way SP switch</td>
</tr>
<tr>
<td><strong>SM 86432 TC GRY</strong></td>
</tr>
<tr>
<td><strong>SM 86432 TC WHI</strong></td>
</tr>
<tr>
<td>20AX 2 gang 2 way SP switch with</td>
</tr>
<tr>
<td>Translucent Lid</td>
</tr>
<tr>
<td><strong>SM 86504 GRY</strong></td>
</tr>
<tr>
<td><strong>SM 86504 WHI</strong></td>
</tr>
<tr>
<td>20AX 2 gang 1 way DP switch</td>
</tr>
<tr>
<td><strong>SM 86504 TC GRY</strong></td>
</tr>
<tr>
<td><strong>SM 86504 TC WHI</strong></td>
</tr>
<tr>
<td>20AX 2 gang 1 way DP switch with</td>
</tr>
<tr>
<td>Translucent Lid</td>
</tr>
<tr>
<td><strong>SM 86817 GRY</strong></td>
</tr>
<tr>
<td><strong>SM 86817 WHI</strong></td>
</tr>
<tr>
<td>1 gang RJ11 4 Wire telephone socket</td>
</tr>
<tr>
<td><strong>SM 86817 TC GRY</strong></td>
</tr>
<tr>
<td><strong>SM 86817 TC WHI</strong></td>
</tr>
<tr>
<td>1 gang RJ11 4 Wire telephone socket</td>
</tr>
</tbody>
</table>

*Please contact local MK Electric for details of availability.*
## Data & Voice Outlets

### Frontplate

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>86450 WHI</td>
<td>1 gang euro plate</td>
</tr>
<tr>
<td>86451 WHI</td>
<td>1 gang euro plate, 2 modules</td>
</tr>
</tbody>
</table>

### Module

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SX5452 WHI</td>
<td>1 module blank plate (For use with 86450 WHI/86451 WHI)</td>
</tr>
<tr>
<td>SX5453 WHI</td>
<td>1 module adaptor (For use with 86450 WHI/86451 WHI)</td>
</tr>
<tr>
<td>SX5454 WHI</td>
<td>RJ45 CAT 5e Jack</td>
</tr>
<tr>
<td>SX5455 WHI</td>
<td>RJ11 Jack</td>
</tr>
</tbody>
</table>

### Data & Voice Outlets

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>86504 GRY</td>
<td>1 gang back box</td>
</tr>
<tr>
<td>86504 WHI</td>
<td>1 gang back box</td>
</tr>
</tbody>
</table>

### Accessories

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>56462 WHI</td>
<td>20mm plain conduit entry</td>
</tr>
<tr>
<td>56463 WHI</td>
<td>20mm threaded conduit entry</td>
</tr>
<tr>
<td>56464 WHI</td>
<td>20mm box coupler</td>
</tr>
<tr>
<td>56460 WHI</td>
<td>Conduit entries-direct entry</td>
</tr>
<tr>
<td>9933</td>
<td>M20 earth lead adaptor</td>
</tr>
</tbody>
</table>

## Service Module Range (Without Back Box)

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SM86450 GRY</td>
<td>1 gang euro plate</td>
</tr>
<tr>
<td>SM86450 WHI</td>
<td>1 gang euro plate</td>
</tr>
<tr>
<td>SM86451 GRY</td>
<td>1 gang euro plate, 2 modules</td>
</tr>
<tr>
<td>SM86451 WHI</td>
<td>1 gang euro plate</td>
</tr>
</tbody>
</table>
Product Range Features

- Surface mounted and flush mounted products and associated service items are available.
- If flush mounting is intended, the conduit cable entry shall be installed from the rear of the mounting box.

Flush Mounting Guide

- Suitable for indoor and outdoor use wherever dirt and moisture protection is required. All products accept MK push in conduit and cable entries.
- The use of Polycarbonate for the housing of the products created a robust range of switches and socket outlets.
- Provided all enclosure lids are closed and the products are correctly installed, the Masterseal™ Compact range offers an international protection code of IP66 when the products are in or out of use.
- Only plugs that have cable entry from a side edge will allow the lid to close correctly.
- All products conform to their relevant National standard as well as the standard for enclosures BSEN/IEC60529. 13AMP Sockets conform to BS1363 : Part 2, connection units to BS1363:Part 4 and switches to IEC60669-1.

Installation Guide
Service Items

<table>
<thead>
<tr>
<th>List No.</th>
<th>Description</th>
<th>D x H mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>56460</td>
<td>Entry Blank</td>
<td>26.9 dia x 5.25</td>
</tr>
<tr>
<td>56461</td>
<td>PVC Cable Entry</td>
<td>26.9 dia x 10.15</td>
</tr>
<tr>
<td>56462</td>
<td>20mm Plain Conduit Entry</td>
<td>26.9 dia x 28</td>
</tr>
<tr>
<td>56463</td>
<td>20mm Threaded Conduit Entry</td>
<td>26.9 dia x 28</td>
</tr>
<tr>
<td>56464</td>
<td>Box Coupler</td>
<td>26.9 dia x 16.5</td>
</tr>
<tr>
<td>9933</td>
<td>M20 Earth Lead Adaptor</td>
<td></td>
</tr>
</tbody>
</table>

Safety Instructions

Switch off and isolate the mains supply before carrying out installation of the Masterseal™ Compact product.

1. The Masterseal™ Compact Euro Data Enclosure 86540 and 86541 are intended for use with extra low voltage data and telephone modules. Data and telephone outlets must not be mixed with other modules intended for mains supply (110-250 VAC 50/60Hz).

2. This product should be installed by a competent person (eg. a qualified electrician).

3. It is essential that all connections are made as instructed, such that cables are not stressed and terminals are fully tightened.

User Guide

Method to release Lid Latch

The full IP66 rating is only achieved when the lid is clipped in the closed position.

Do not operate with damp hands or whilst it is raining.

For the enclosure of a socket-outlet, ensure the cable to the appliance is positioned so as to pass through the gel seal before closing the lid, thereby preventing accidental damage to the cable. The gel seal may stain the cable sleeve, this does not cause harm to the cable.

Specification

This product complies with the following standard.

- General: BS 5733
- 13A Socket-outlet: BS 1363-2
- 15A Socket-outlet: BS 546
- Connection Unit: BS 1363-4
- Switch: IEC 60669-1
- Environmental Protection: BSEN/IEC60529
- Operating Temperature: -5°C to +40°C
- Material: Polycarbonate UV stabilised

<table>
<thead>
<tr>
<th>IP</th>
<th>6</th>
<th>6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ingress protection</td>
<td>Dustproof to sawdust, dust and other small particles</td>
<td>Waterproof to strong jets of water, from any direction</td>
</tr>
</tbody>
</table>

The box seal is attached on the front plate. Ensure the holes are aligned and the slot in the seal is aligned with the ribs on the mounting box.

Wire and fit the front plate. Ensure the seal is correctly located and no cables are trapped.
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|-----------------|-----------------|-----------------|
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| Komplek Perusahaan LTAT |
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| Selangor Darul Ehsan, Malaysia |
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| **Telephone**: (852) 2331 9133 (852) 2834 1988 | **Facsimile**: (852) 2151 9465 |

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<table>
<thead>
<tr>
<th><strong>Website</strong></th>
<th><strong>Publication No:</strong></th>
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