



Technical Hotline
+44 (0)1268 563720

Wiring Devices Technical

– MK Base

10A/AX Switches – Single Pole

Standards and approvals

Compliance to IEC 60669-1:2017 and
BSEN 60669-1:2018



PRODUCT RANGE:		
GANG	DESCRIPTION	PRODUCT CODE
1 GANG	10AX 1G 1WAY SWITCH - SMALL ROCKER	MB4861W1WHI
	10AX 1G 2WAY SWITCH - SMALL ROCKER	MB4861WHI
2 GANG	10AX 2G 1WAY SWITCH - SMALL ROCKER	MB4862W1WHI
	10AX 2G 2WAY SWITCH - SMALL ROCKER	MB4862WHI
3 GANG	10AX 3G 1WAY SWITCH - SMALL ROCKER	MB4863W1WHI
	10AX 3G 2WAY SWITCH - SMALL ROCKER	MB4863WHI

MOUNTING BOXES (INTERNAL DEPTH):		
GANG	FLUSH	SURFACE
1 GANG	861ZIC (25mm)	
	866ZIC (35mm)	2031WHI (42mm)

TECHNICAL SPECIFICATION	
ELECTRICAL	
VOLTAGE RATING 250V a.c.	
CURRENT RATING 10AX	
TERMINAL CAPACITY 4 x 1.5mm ² , or 3 x 2.5mm ² or 2 x 4.0mm ² or 1 x 6.0mm ² (stranded)	
OPERATIONS 20000 times	
PHYSICAL	
AMBIENT OPERATING TEMPERATURE Switches complying with this document are suitable for use at ambient temperatures not normally exceeding +40 °C, but their average over a period of 24 h does not exceed +35 °C, with a lower limit of the ambient air temperature of -5 °C.	
IP RATING IP4X	
MAX. INSTALLATION ALTITUDE 2000 metres	

Caution Of Use

The maximum number or maximum wattage of each lighting circuit incorporating electronic ballasted lamps should be such that the inrush current should not exceed the following parameter:

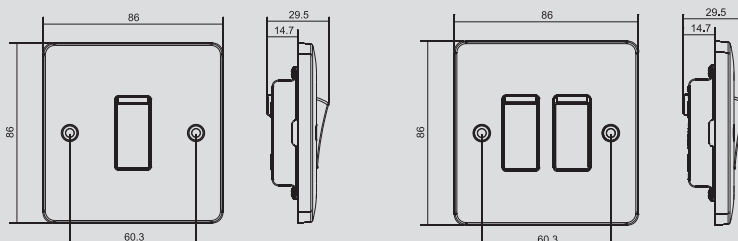
RATED CURRENT	IPEAK	I ² T	RECOMMENDED WATTAGE (INCLUDE SBL -SELF BALLASTED LAMP)
10AX	108A	2.8A ² s	100W

Switches with a rated voltage of 250V shall be considered as switches for a distribution system 230/400V.

FEATURES

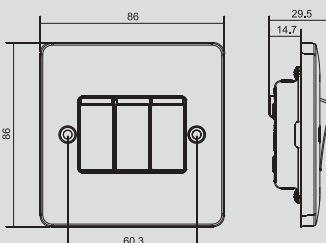
- 2Way switches can be wired as 1Way
- 10AX switches do not have to be de-rated when use with magnetic ballasted fluorescent or inductive loads
- 2Way switch contacts with silver buttons on both surfaces ensuring good conductivity
- Backed out and captive terminal screws
- Minimum 3mm switching contact gap
- Positive switch action
- Fixing screws hidden by screw caps

- Made from urea which has inherent antimicrobial properties*
- Independently tested to the latest industry standard - ISO 22196:2011
- Bacteria kill rates over 24 hours:
 - MRSA – 99.98%
 - Klebsiella Phaeomonia – 99.78%
 - E.Coli – 99.99%
 - Listeria – 99.97%
 - Salmonella – 99.98%
 - S.Aureus 6538p – 99.99%
- Virus kill rate over 24 hours
- Phi-X174 (internationally recognised as the standard for anti-viral testing) – 99.99%



1 Gang: 86mm x 86mm
Fixing Centres: 60.3mm
Frontplate Thickness: 9mm

2 Gang: 86mm x 86mm
Fixing Centres: 60.3mm
Frontplate Thickness: 9mm



3 Gang: 86mm x 86mm
Fixing Centres: 60.3mm
Frontplate Thickness: 9mm

* Screw caps are made from polycarbonate.

Reference colour code for urea components: RAL9001

Wiring Devices Technical

– MK Base

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10A Push Switches – Single Pole

Standards and approvals

Compliance to IEC 60669-1:2017 and
BSEN 60669-1:2018

PRODUCT RANGE:		
GANG	DESCRIPTION	PRODUCT CODE
1 GANG	10A 1G 1 WAY PUSH SWITCH - SMALL ROCKER - BELL	MB4867WHI
	10A 1G 1 WAY PUSH SWITCH - SMALL ROCKER - PUSH	MB4868WHI

MOUNTING BOXES (INTERNAL DEPTH):		
GANG	FLUSH	SURFACE
1 GANG	861ZIC (25mm)	31019WHI (30mm)
	866ZIC (35mm)	2031WHI (42mm)

TECHNICAL SPECIFICATION

ELECTRICAL

VOLTAGE RATING
250V a.c.

CURRENT RATING
10A

TERMINAL CAPACITY
4 x 1.5mm², or
3 x 2.5mm² or
2 x 4.0mm² or
1 x 6.0mm² (stranded)

OPERATIONS

20000 times

PHYSICAL

AMBIENT OPERATING TEMPERATURE

Switches complying with this document are suitable for use at ambient temperatures not normally exceeding +40 °C, but their average over a period of 24 h does not exceed +35 °C, with a lower limit of the ambient air temperature of -5 °C.

IP RATING

IP4X

MAX. INSTALLATION ALTITUDE

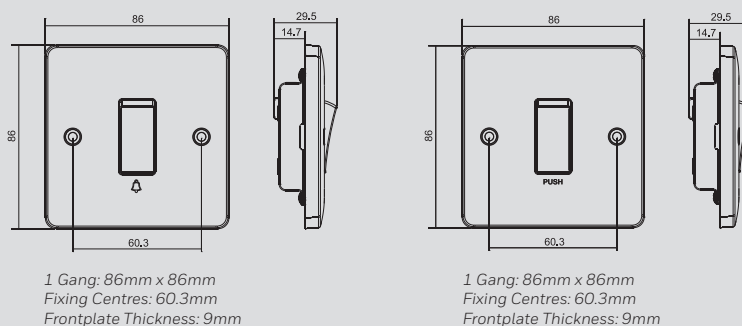
2000 metres



FEATURES

- Positive switch action
- Minimum 3mm switching contact gap
- Backed out and captive terminal screws
- Fixing screws hidden by screw cap

- Made from urea which has inherent antimicrobial properties*
- Independently tested to the latest industry standard - ISO 22196:2011
- Bacteria kill rates over 24 hours;
 - MRSA – 99.98%
 - Klebsiella Pnaemonia – 99.78%
 - E.Coli – 99.99%
 - Listeria – 99.97%
 - Salmonella – 99.98%
 - S.Aureus 6538p – 99.99%
- Virus kill rate over 24 hours
 - Phi-X174 (internationally recognised as the standard for anti-viral testing) – 99.99%



* Screw caps are made from polycarbonate.

Reference colour code for urea components: RAL9001



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Wiring Devices Technical – MK Base

10AX Intermediate Switch – Single Pole

Standards and approvals

Compliance to IEC 60669-1:2017 and
BSEN 60669-1:2018



PRODUCT RANGE:

GANG	DESCRIPTION	PRODUCT CODE
1 GANG	10AX 1G INTERMEDIATE SWITCH - SMALL RCK	MB4866WHI

MOUNTING BOXES (INTERNAL DEPTH):

GANG	FLUSH	SURFACE
1 GANG	861ZIC (25mm)	
	866ZIC (35mm)	2031WHI (42mm)

TECHNICAL SPECIFICATION

ELECTRICAL

VOLTAGE RATING
250V a.c.

CURRENT RATING
10AX

TERMINAL CAPACITY
2 x 2.5mm² or
1 x 4.0mm² or
1 x 6.0mm² (stranded)

OPERATIONS
20000 times

PHYSICAL

AMBIENT OPERATING TEMPERATURE

Switches complying with this document are suitable for use at ambient temperatures not normally exceeding +40 °C, but their average over a period of 24 h does not exceed +35 °C, with a lower limit of the ambient air temperature of -5 °C.

IP RATING
IP4X

MAX. INSTALLATION ALTITUDE
2000 metres

Caution Of Use

The maximum number or maximum wattage of each lighting circuit incorporating electronic ballasted lamps should be such that the inrush current should not exceed the following parameter:

RATED CURRENT	IPEAK	I ² T	RECOMMENDED WATTAGE (INCLUDE SBL - SELF BALLASTED LAMP)
10AX	108A	2.8A ² s	100W

Switches with a rated voltage of 250V shall be considered as switches for a distribution system 230/400V.

FEATURES

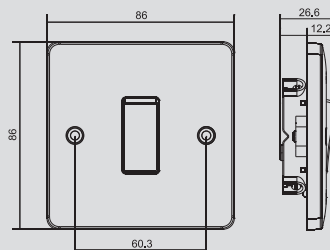
- 10AX switches do not have to be de-rated when use with magnetic ballasted fluorescent or inductive loads
- Switch contacts with silver buttons on both surfaces ensuring good conductivity
- Fixing screws hidden by screw caps
- Positive switch action
- Minimum 3mm switching contact gap

- Made from urea which has inherent antimicrobial properties*
- Independently tested to the latest industry standard - ISO 22196:2011
- Bacteria kill rates over 24 hours:
 - MRSA – 99.98%
 - Klebsiella Phaeomonia – 99.78%
 - E.Coli – 99.99%
 - Listeria – 99.97%
 - Salmonella – 99.98%
 - S.Aureus 6538p – 99.99%
- Virus kill rate over 24 hours
 - Phi-X174 (internationally recognised as the standard for anti-viral testing) – 99.99%



* Screw caps are made from polycarbonate.

Reference colour code for urea components: RAL9001



1 Gang: 86mm x 86mm
Fixing Centres: 60.3mm
Frontplate Thickness: 9mm

Wiring Devices Technical

– MK Base

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20AX Switches - Double Pole

Standards and approvals

Compliance to IEC 60669-1:2017 and BSEN 60669-1:2018

PRODUCT RANGE:		
GANG	DESCRIPTION	PRODUCT CODE
1 GANG	20AX 1G DP SWITCH WITH NEON - WATER HEATER	MB8423WHWHI
	20AX 1G DP SWITCH WITH NEON	MB8423WHI

MOUNTING BOXES (INTERNAL DEPTH):		
GANG	FLUSH	SURFACE
1 GANG	861ZIC (25mm)	
	866ZIC (35mm)	2031WHI (42mm)

TECHNICAL SPECIFICATION

ELECTRICAL

VOLTAGE RATING

250V a.c.

CURRENT RATING

20AX

TERMINAL CAPACITY

2 x 2.5mm² or
1 x 4.0mm² or
1 x 6.0mm² (stranded)

OPERATIONS

5000 times

PHYSICAL

AMBIENT OPERATING TEMPERATURE

Switches complying with this document are suitable for use at ambient temperatures not normally exceeding +40 °C, but their average over a period of 24 h does not exceed +35 °C, with a lower limit of the ambient air temperature of -5 °C.

IP RATING

IP4X

MAX. INSTALLATION ALTITUDE

2000 metres



Caution Of Use

The maximum number or maximum wattage of each lighting circuit incorporating electronic ballasted lamps should be such that the inrush current should not exceed the following parameters:

RATED CURRENT	IPEAK	I ² T	RECOMMENDED WATTAGE (INCLUDE SBL -SELF BALLASTED LAMP)
20AX	192A	13A ² s	250W

Switches with a rated voltage of 250V shall be considered as switches for a distribution system 230/400V.

Disconnect the switch before performing insulation resistance test on the installation.

FEATURES

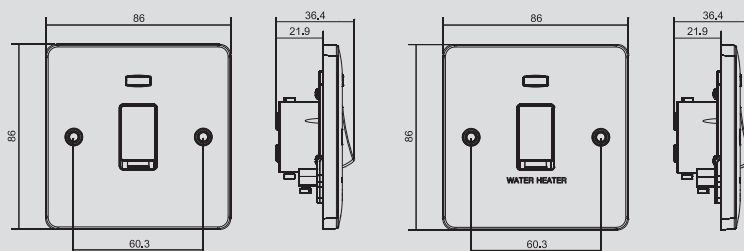
- 20AX switches do not have to be de-rated when use with magnetic ballasted fluorescent or inductive loads
- Switch contacts with silver buttons ensuring good conductivity
- Positive switch action
- Fixing screws hidden by screw caps
- Minimum 3mm switching contact gap
- Switch with red indicator
- Earth strip with 1 earth terminal

- Made from urea which has inherent antimicrobial properties*
- Independently tested to the latest industry standard - ISO 22196:2011
- Bacteria kill rates over 24 hours;
 - MRSA – 99.98%
 - Klebiella Pnaemonia – 99.78%
 - E.Coli – 99.99%
 - Listeria – 99.97%
 - Salmonella – 99.98%
 - S.Aureus 6538p – 99.99%
- Virus kill rate over 24 hours
 - Phi-X174 (internationally recognised as the standard for anti-viral testing) – 99.99%



* Screw caps are made from polycarbonate.

Reference colour code for urea components: RAL9001



1 Gang: 86mm x 86mm
Fixing Centres: 60.3mm
Frontplate Thickness: 9mm

1 Gang: 86mm x 86mm
Fixing Centres: 60.3mm
Frontplate Thickness: 9mm



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Wiring Devices Technical

– MK Base

32A Switch - Double Pole

Standards and approvals

Compliance to IEC 60669-1:2017 and BSEN 60669-1:2018

PRODUCT RANGE:		
GANG	DESCRIPTION	PRODUCT CODE
1 GANG	32A 1G DP SWITCH WITH NEON	MB5105WHI

MOUNTING BOXES (INTERNAL DEPTH):		
GANG	FLUSH	SURFACE
1 GANG	866ZIC (35mm)	2031WHI (42mm)

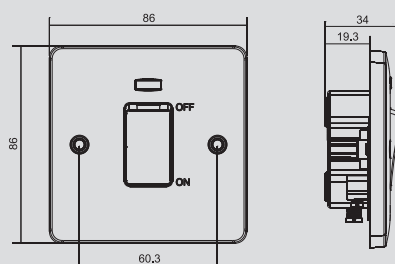
TECHNICAL SPECIFICATION	
ELECTRICAL	
VOLTAGE RATING 250V a.c.	
CURRENT RATING 32A	
TERMINAL CAPACITY 4 x 4mm ² or 3 x 6.0mm ² or 1 x 10.0mm ² (stranded) or 1 x 16.0mm ² (stranded)	
*note: If 10mm ² and above cable is used, the minimum internal box depth must be at least 42mm.	
OPERATIONS 5000 times	
PHYSICAL	
AMBIENT OPERATING TEMPERATURE Switches complying with this document are suitable for use at ambient temperatures not normally exceeding +40 °C, but their average over a period of 24 h does not exceed +35 °C, with a lower limit of the ambient air temperature of -5 °C.	
IP RATING IP4X	
MAX. INSTALLATION ALTITUDE 2000 metres	



FEATURES

- Switch with red rocker
- Switch with red lens for on/off indicator
- Switch with two earth terminals on a common busbar to provide a dual earthing facility for safety protection
- Fixing screws hidden by screw caps
- Positive switch action
- Minimum 3mm switching contact gap

- Made from urea which has inherent antimicrobial properties*
- Independently tested to the latest industry standard - ISO 22196:2011
- Bacteria kill rates over 24 hours;
 - MRSA – 99.98%
 - Klebsiella Phaemonia – 99.78%
 - E.Coli – 99.99%
 - Listeria – 99.97%
 - Salmonella – 99.98%
 - S.Aureus 6538p – 99.99%
- Virus kill rate over 24 hours
 - Phi-X174 (internationally recognised as the standard for anti-viral testing) – 99.99%



1 Gang: 86mm x 86mm
Fixing Centres: 60.3mm
Frontplate Thickness: 9mm

* Screw caps are made from polycarbonate.

Reference colour code for urea components: RAL9001

Wiring Devices Technical

– MK Base

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45A Switches - Double Pole

Standards and approvals

Compliance to IEC 60669-1:2017 and
BSEN 60669-1:2018

PRODUCT RANGE:		
GANG	DESCRIPTION	PRODUCT CODE
1 GANG	45A 1G DP SWITCH	MB5205WHI
	45A 1G DP SWITCH WITH NEON	MB5205NWHI
2 GANG	45A 2G DP SWITCH (2G PORTRAIT)	MB5215WHI
	45A 2G DP SWITCH WITH NEON (2G PORTRAIT)	MB5215NWHI
	45A 2G DP SWITCH WITH NEON - COOKER	MB5215NCWHI

MOUNTING BOXES (INTERNAL DEPTH):		
GANG	FLUSH	SURFACE
1 GANG	866ZIC (35mm)	2031WHI (42mm)
	886ZIC (35mm)	
2 GANG	878ZIC (46mm)	2172WHI (44mm)

TECHNICAL SPECIFICATION

ELECTRICAL

VOLTAGE RATING

250V a.c.

CURRENT RATING

45A

TERMINAL CAPACITY

4 x 4mm² or
3 x 6.0mm² or
1 x 10.0mm² (stranded) or
1 x 16.0mm² (stranded)

*note: If 10mm² and above cable is used, the minimum internal box depth must be at least 42mm.

OPERATIONS

5000 times

PHYSICAL

AMBIENT OPERATING TEMPERATURE

Switches complying with this document are suitable for use at ambient temperatures not normally exceeding +40 °C, but their average over a period of 24 h does not exceed +35 °C, with a lower limit of the ambient air temperature of -5 °C.

IP RATING

IP4X

MAX. INSTALLATION ALTITUDE

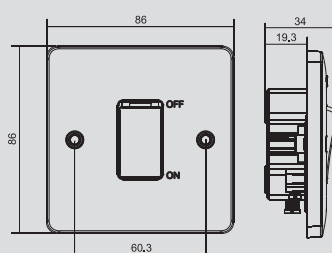
2000 metres



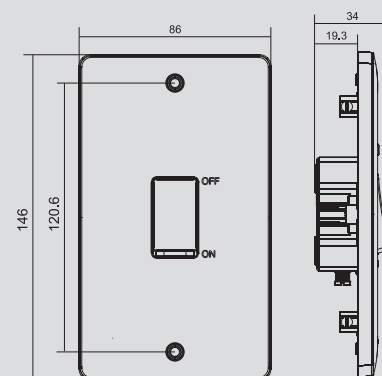
FEATURES

- Switch with red rocker
- Switch with red lens for on/off indicator
- Switch with two earth terminals on a common busbar to provide a dual earthing facility for safety protection
- Fixing screws hidden by screw caps
- Positive switch action
- Minimum 3mm switching contact gap

- Made from urea which has inherent antimicrobial properties*
- Independently tested to the latest industry standard - ISO 22196:2011
- Bacteria kill rates over 24 hours;
 - MRSA – 99.98%
 - E.Coli – 99.99%
 - Salmonella – 99.98%
 - Klebiella Pnaemonia – 99.78%
 - Listeria – 99.97%
 - S.Aureus 6538p – 99.99%
- Virus kill rate over 24 hours
 - Phi-X174 (internationally recognised as the standard for anti-viral testing) – 99.99%



1 Gang: 86mm x 86mm
Fixing Centres: 60.3mm
Frontplate Thickness: 9mm



2 Gang: 86mm x 146mm
Fixing Centres: 120.6mm
Frontplate Thickness: 9mm

* Screw caps are made from polycarbonate.

Reference colour code for urea components: RAL9001



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Wiring Devices Technical – MK Base

3 Pole Fan Isolator Switch

Standards and approvals

Compliance to BSEN 60669-2-4:2005



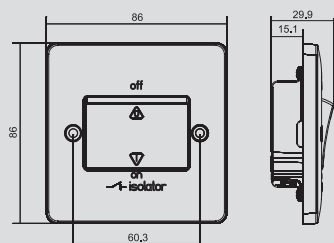
PRODUCT RANGE:		
GANG	DESCRIPTION	PRODUCT CODE
1 GANG	1G 3 POLE FAN ISOLATOR SWITCH	MB4859WHI

MOUNTING BOXES (INTERNAL DEPTH):		
GANG	FLUSH	SURFACE
1 GANG	861ZIC (25mm)	
	866ZIC (35mm)	2031 WHI (42mm)

TECHNICAL SPECIFICATION	
ELECTRICAL	
VOLTAGE RATING 250V a.c.	
CURRENT RATING 10A	
TERMINAL CAPACITY 4 x 1mm ² or 4 x 1.5mm ² or 3 x 2.5mm ² or 2 x 4.0mm ² or 1 x 6.0mm ² (stranded)	
OPERATIONS 20000 times	
PHYSICAL	
AMBIENT OPERATING TEMPERATURE Switches complying with this standard are suitable for use at ambient temperatures not normally exceeding 25 °C, but occasionally reaching 35 °C.	
IP RATING IP4X	
MAX. INSTALLATION ALTITUDE 2000 metres	

FEATURES	
• Minimum 4mm switching contact gap	• Fixing screws hidden by screw caps
• Rated conditional short circuit current:1500A	• Positive switch action

<ul style="list-style-type: none"> • Made from urea which has inherent antimicrobial properties* • Independently tested to the latest industry standard - ISO 22196:2011 • Bacteria kill rates over 24 hours; <ul style="list-style-type: none"> - MRSA – 99.98% - Klebsiella Pnaemonia – 99.78% - E.Coli – 99.99% - Listeria – 99.97% - Salmonella – 99.98% - S.Aureus 6538p – 99.99% • Virus kill rate over 24 hours <ul style="list-style-type: none"> - Phi-X174 (internationally recognised as the standard for anti-viral testing) – 99.99% 	
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1 Gang: 86mm x 86mm
Fixing Centres: 60.3mm
Frontplate Thickness: 9mm

* Screw caps are made from polycarbonate.

Reference colour code for urea components: RAL9001

Wiring Devices Technical

– MK Base

mkelectric.co.uk



13A Socket Outlets – Single Pole

Standards and approvals

Compliance to BS 1363-2:2016+A1:2018,
IS 411:1997

PRODUCT RANGE:		
GANG	DESCRIPTION	PRODUCT CODE
1 GANG	13A 1G SP SWITCHED SOCKET	MB2757WHI
	13A 1G SP SWITCHED SOCKET WITH NEON	MB2657WHI
	13A 1G UNSWITCHED SOCKET	MB780WHI
2 GANG	13A 2G SP SWITCHED SOCKET	MB2747WHI
	13A 2G SP SWITCHED SOCKET WITH NEON	MB2647WHI
	13A 2G UNSWITCHED SOCKET	MB781WHI

MOUNTING BOXES (INTERNAL DEPTH):		
GANG	FLUSH	SURFACE
1 GANG	861ZIC (25mm)	
	866ZIC (35mm)	2031WHI (42mm)
2 GANG	886ZIC (35mm)	
	878ZIC (46mm)	2172WHI (44mm)

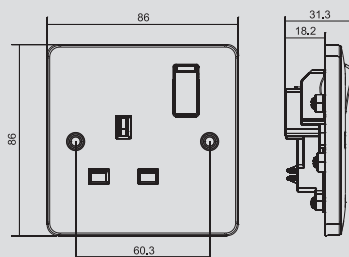
TECHNICAL SPECIFICATION	
ELECTRICAL	
VOLTAGE RATING	
250V a.c.	
CURRENT RATING	
13A	
TERMINAL CAPACITY	
4 x 2.5mm ² or	
3 x 4.0mm ² or	
2 x 6.0mm ² (stranded)	
OPERATIONS	
15000 times	
PHYSICAL	
AMBIENT OPERATING TEMPERATURE	
Conditions of use - Socket-outlets shall be suitable for use under the following conditions:	
a) an ambient temperature in the range -5 °C to +40 °C, the average value over 24 h not exceeding 25 °C;	
NOTE Under normal conditions of use, the available cooling air is subject to natural atmospheric variations of temperature and hence the peak temperature occurs only occasionally during the hot season, and on those days when it does occur it does not persist for lengthy periods.	
IP RATING	
IP4X	
MAX. INSTALLATION ALTITUDE	
2000 metres	



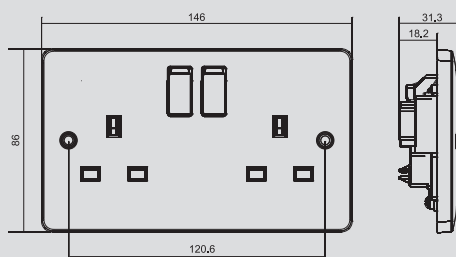
FEATURES

- Safety shutter operated by earth pin of plug
- Sockets are fitted with two earth terminals on a common busbar to provide a dual earthing facility for safety protection
- Fixing screws hidden by screw caps
- Backed out and captive terminal screws
- Switch rocker prominently printed with red flash to indicate 'ON'
- Minimum 3mm switching contact gap
- Positive switch action
- Suitable for use with 13A adaptor (BS 1363: Part 3)

- Made from urea which has inherent antimicrobial properties*
- Independently tested to the latest industry standard - ISO 22196:2011
- Bacteria kill rates over 24 hours;
 - MRSA – 99.98%
 - Klebsiella Pnaemonia – 99.78%
 - E.Coli – 99.99%
 - Listeria – 99.97%
 - Salmonella – 99.98%
 - S.Aureus 6538p – 99.99%
- Virus kill rate over 24 hours
 - Phi-X174 (internationally recognised as the standard for anti-viral testing) – 99.99%



1 Gang: 86mm x 86mm
Fixing Centres: 60.3mm
Frontplate Thickness: 9mm



2 Gang: 86mm x 146mm
Fixing Centres: 120.6mm
Frontplate Thickness: 9mm

* Screw caps are made from polycarbonate.

Reference colour code for urea components: RAL9001



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Wiring Devices Technical

– MK Base

13A Switchsocket Outlets - Double Pole

Standards and approvals

Compliance to BS 1363-2:2016+A1:2018,
IS 411:1997

PRODUCT RANGE:		
GANG	DESCRIPTION	PRODUCT CODE
1 GANG	13A 1G DP SWITCHED SOCKET	MB2757DPWHI
	13A 1G DP SWITCHED SOCKET WITH NEON	MB2657DPWHI
2 GANG	13A 2G DP SWITCHED SOCKET	MB2747DPWHI
	13A 2G DP SWITCHED SOCKET WITH NEON	MB2647DPWHI

MOUNTING BOXES (INTERNAL DEPTH):		
GANG	FLUSH	SURFACE
1 GANG	861ZIC (25mm)	
	866ZIC (35mm)	2031WHI (42mm)
	SS30WHI (35mm)	
	SS30BLK (35mm)	
2 GANG	886ZIC (35mm)	
	878ZIC (46mm)	2172WHI (44mm)
	SS40WHI (35mm)	
	SS40BLK (35mm)	

TECHNICAL SPECIFICATION

ELECTRICAL

VOLTAGE RATING
250V a.c.

CURRENT RATING
13A

TERMINAL CAPACITY
4 x 2.5mm² or
3 x 4.0mm² or
2 x 6.0mm² (stranded)

OPERATIONS

15000 times

PHYSICAL

AMBIENT OPERATING TEMPERATURE

Conditions of use - Socket-outlets shall be suitable for use under the following conditions:

a) an ambient temperature in the range -5 °C to +40 °C, the average value over 24 h not exceeding 25 °C;

NOTE Under normal conditions of use, the available cooling air is subject to natural atmospheric variations of temperature and hence the peak temperature occurs only occasionally during the hot season, and on those days when it does occur it does not persist for lengthy periods.

IP RATING

IP4X

MAX. INSTALLATION ALTITUDE

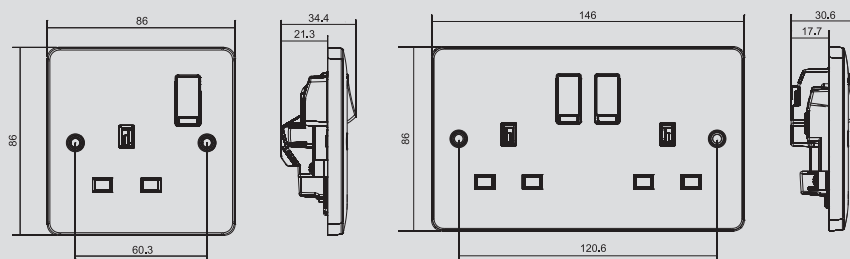
2000 metres



FEATURES

- Safety shutter operated by earth pin of plug
- Sockets are fitted with two earth terminals on a common busbar to provide a dual earthing facility for safety protection
- Fixing screws hidden by screw caps
- Switch rocker prominently printed with red flash to indicate 'ON'
- Minimum 3mm switching contact gap
- Positive switch action
- Backed out and captive terminal screws
- Suitable for use with 13A adaptor (BS 1363: Part 3)

- Made from urea which has inherent antimicrobial properties*
- Independently tested to the latest industry standard - ISO 22196:2011
- Bacteria kill rates over 24 hours:
 - MRSA – 99.98%
 - Klebsiella Pnaemonia – 99.78%
 - E.Coli – 99.99%
 - Listeria – 99.97%
 - Salmonella – 99.98%
 - S.Aureus 6538p – 99.99%
- Virus kill rate over 24 hours
 - Phi-X174 (internationally recognised as the standard for anti-viral testing) – 99.99%



1 Gang: 86mm x 86mm
Fixing Centres: 60.3mm
Frontplate Thickness: 9mm

2 Gang: 86mm x 146mm
Fixing Centres: 120.6mm
Frontplate Thickness: 9mm

* Screw caps are made from polycarbonate.

Reference colour code for urea components: RAL9001

Wiring Devices Technical

– MK Base

13A Socket Outlets with USB Port - Double Pole

Standards and approvals

Compliance to BS 1363-2:2016+A1:2018, IEC 61558-2-16:2009 and EN 61000

PRODUCT RANGE:		
GANG	DESCRIPTION	PRODUCT CODE
1 GANG	13A 1G DP SWITCHED SOCKET WITH USB PORT	MB24354WHI
2 GANG	13A 2G DP SWITCHED SOCKET WITH USB PORT	MB24344WHI

MOUNTING BOXES (INTERNAL DEPTH):		
GANG	FLUSH	SURFACE
1 GANG	861ZIC (25mm)	
	866ZIC (35mm)	2031WHI (42mm)
2 GANG	886ZIC (35mm)	
	878ZIC (46mm)	2172WHI (44mm)

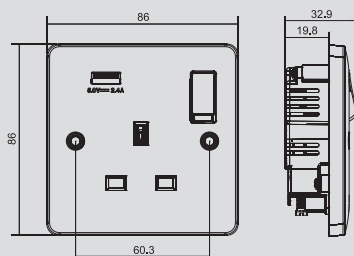
TECHNICAL SPECIFICATION	
ELECTRICAL	
INPUT VOLTAGE AND FREQUENCY 250V a.c. 50/60Hz	LOW LOAD EFFICIENCY 79%
OUTPUT VOLTAGE 5V d.c.	NO LOAD POWER CONSUMPTION 0.06W
OUTPUT CURRENT 2.4A	CURRENT RATING 13A Combined total 2.4A drawn from USB ports
OUTPUT POWER 12.0W	TERMINAL CAPACITY 4 x 2.5mm ² or 3 x 4.0mm ² or 2 x 6.0mm ² (stranded)
AVERAGE ACTIVE EFFICIENCY 84%	
OPERATIONS 15000 times	
PHYSICAL	
AMBIENT OPERATING TEMPERATURE Conditions of use - Socket-outlets shall be suitable for use under the following conditions: a) an ambient temperature in the range -5 °C to +40 °C, the average value over 24 h not exceeding 25 °C;	
NOTE Under normal conditions of use, the available cooling air is subject to natural atmospheric variations of temperature and hence the peak temperature occurs only occasionally during the hot season, and on those days when it does occur it does not persist for lengthy periods.	
IP RATING IP4X	
MAX. INSTALLATION ALTITUDE 2000 metres	



FEATURES

- If only one device is connected to one of the USB ports, the total rated current of 2.4A is available to the port
- If two devices are connected to the USB ports, the total rated current of 2.4A is divided between the two ports
- USB ports are designed to provide optimum charging compatibility across a wide range of devices
- Sockets are fitted with two earth terminals on a common busbar to provide a dual earthing facility for safety protection
- If the total charging current exceeds the rated level of 2.4A, the USB port shall enter a current limiting safety mode
- Each individual USB port has internal safety feature to protect against overload or short circuit
- Safety shutter operated by earth pin of plug
- USB2.0 and USB3.0 compatible
- Minimum 3mm switching contact gap
- Backed out and captive terminal screws
- Fixing screws hidden by screw caps
- Switch rocker prominently printed with red flash to indicate 'ON'

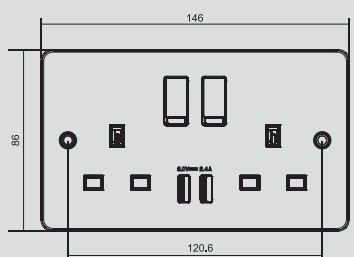
- Made from urea which has inherent antimicrobial properties*
- Independently tested to the latest industry standard - ISO 22196:2011
- Bacteria kill rates over 24 hours;
 - MRSA – 99.98%
 - Klebsiella Pnaemonia – 99.78%
 - E.Coli – 99.99%
 - Listeria – 99.97%
 - Salmonella – 99.98%
 - S.Aureus 6538p – 99.99%
- Virus kill rate over 24 hours
 - Phi-X174 (internationally recognised as the standard for anti-viral testing) – 99.99%



5.0V === 2.4A

Surface marking

1 Gang: 86mm x 86mm
Fixing Centres: 60.3mm
Frontplate Thickness: 9mm



5.0V === 2.4A

Surface marking

2 Gang: 86mm x 146mm
Fixing Centres: 120.6mm
Frontplate Thickness: 9mm

* Screw caps are made from polycarbonate.

Reference colour code for urea components: RAL9001



Technical Hotline
+44 (0)1268 563720

Wiring Devices Technical

– MK Base

13A Socket Outlets with USB Port - Single Pole

Standards and approvals

Compliance to BS 1363-2:2016+A1:2018,
IEC 61558-2-16:2009 and EN 61000



PRODUCT RANGE:

GANG	DESCRIPTION	PRODUCT CODE
2 GANG	13A 2G SP SWITCHED SOCKET WITH USB PORT	MB24345WHI

MOUNTING BOXES (INTERNAL DEPTH):

GANG	FLUSH	SURFACE
2 GANG	881ZIC (25mm)	
	886ZIC (35mm)	2172WHI (44mm)

TECHNICAL SPECIFICATION

ELECTRICAL

INPUT VOLTAGE AND FREQUENCY
250V a.c. 50/60Hz

OUTPUT VOLTAGE
5V d.c.

OUTPUT CURRENT
2.4A

OUTPUT POWER
12.0W

AVERAGE ACTIVE EFFICIENCY
84%

LOW LOAD EFFICIENCY
79%

NO LOAD POWER CONSUMPTION
0.06W

CURRENT RATING
13A Combined total 2.4A drawn from USB ports

TERMINAL CAPACITY
4 x 2.5mm² or
3 x 4.0mm² or
2 x 6.0mm² (stranded)

OPERATIONS

15000 times

PHYSICAL

AMBIENT OPERATING TEMPERATURE

Conditions of use - Socket-outlets shall be suitable for use under the following conditions:

a) an ambient temperature in the range -5 °C to +40 °C, the average value over 24 h not exceeding 25 °C;

NOTE Under normal conditions of use, the available cooling air is subject to natural atmospheric variations of temperature and hence the peak temperature occurs only occasionally during the hot season, and on those days when it does occur it does not persist for lengthy periods.

IP RATING

IP4X

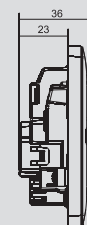
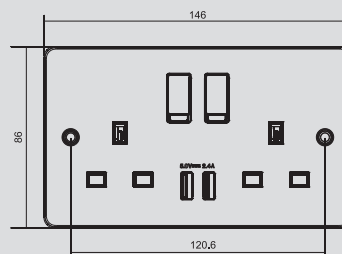
MAX. INSTALLATION ALTITUDE

2000 metres

FEATURES

- If only one device is connected to one of the USB ports, the total rated current of 2.4A is available to the port
- If two devices are connected to the USB ports, the total rated current of 2.4A is divided between the two ports
- USB ports are designed to provide optimum charging compatibility across a wide range of devices
- Sockets are fitted with two earth terminals on a common busbar to provide a dual earthing facility for safety protection
- If the total charging current exceeds the rated level of 2.4A, the USB port shall enter a current limiting safety mode
- Each individual USB port has internal safety feature to protect against overload or short circuit
- Safety shutter operated by earth pin of plug
- USB2.0 and USB3.0 compatible
- Minimum 3mm switching contact gap
- Backed out and captive terminal screws
- Fixing screws hidden by screw caps
- Switch rocker prominently printed with red flash to indicate 'ON'

- Made from urea which has inherent antimicrobial properties*
- Independently tested to the latest industry standard - ISO 22196:2011
- Bacteria kill rates over 24 hours;
 - MRSA – 99.98%
 - Klebsiella Pnaemonia – 99.78%
 - E.Coli – 99.99%
 - Listeria – 99.97%
 - Salmonella – 99.98%
 - S.Aureus 6538p – 99.99%
- Virus kill rate over 24 hours
 - Phi-X174 (internationally recognised as the standard for anti-viral testing) – 99.99%



5.0V == 2.4A

Surface marking

2 Gang: 86mm x 146mm
Fixing Centres: 120.6mm
Frontplate Thickness: 9mm

* Screw caps are made from polycarbonate.

Reference colour code for urea components: RAL9001

Wiring Devices Technical

– MK Base

mkelectric.co.uk



Cooker Control Unit – Double Pole

Standards and approvals

Compliance to BS 4177:1992+A1+A2+A3+A4,
BS 1363-2:2016

PRODUCT RANGE:		
GANG	DESCRIPTION	PRODUCT CODE
1 GANG	45A DP SWITCH & 13A DP SWITCHED SOCKET	MB5060WHI
	45A DP SWITCH & 13A DP SWITCHED SKT NEON	MB5061WHI

MOUNTING BOXES (INTERNAL DEPTH):		
GANG	FLUSH	SURFACE
2 GANG	878ZIC (46mm)	2172WHI (44mm)

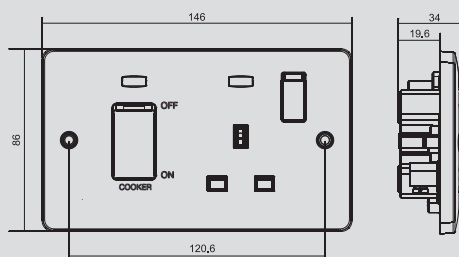
TECHNICAL SPECIFICATION	
ELECTRICAL	
VOLTAGE RATING 250V a.c.	
CURRENT RATING 45A (switch) & 13A (socket)	
TERMINAL CAPACITY 4 x 4mm ² or 3 x 6.0mm ² or 1 x 10.0mm ² (stranded) or 1 x 16.0mm ² (stranded)	
note: If 10mm ² and above cable is used, the minimum internal box depth must be at least 42mm.	
PHYSICAL	
AMBIENT OPERATING TEMPERATURE Cooker control units complying with this standard are suitable for use under the following conditions: 1) in air temperatures from – 5 °C to +40 °C with an average value over a period of 24 h not exceeding +25 °C;	
IP RATING IP4X	
MAX. INSTALLATION ALTITUDE 2000 metres	



FEATURES

- 45A switch with red rocker
- Switch rocker prominently printed with red flash to indicate 'ON'
- Sockets are fitted with two earth terminals on a common busbar to provide a dual earthing facility for safety protection
- Safety shutter operated by earth pin of plug
- Minimum 3mm switching contact gap
- Fixing screws hidden by screw caps
- Suitable for use with 13A adaptor (BS 1363: Part 3)

- Made from urea which has inherent antimicrobial properties*
- Independently tested to the latest industry standard - ISO 22196:2011
- Bacteria kill rates over 24 hours;
 - MRSA – 99.98%
 - Klebsiella Pnaeomonia – 99.78%
 - E.Coli – 99.99%
 - Listeria – 99.97%
 - Salmonella – 99.98%
 - S.Aureus 6538p – 99.99%
- Virus kill rate over 24 hours
 - Phi-X174 (internationally recognised as the standard for anti-viral testing) – 99.99%



2 Gang: 86mm x 146mm
Fixing Centres: 120.6mm
Frontplate Thickness: 9mm

* Screw caps are made from polycarbonate.

Reference colour code for urea components: RAL9001



Technical Hotline
+44 (0)1268 563720

Wiring Devices Technical

– MK Base

13A Fused Connection Units - Double Pole

Standards and approvals

Compliance to BS 1363-4:2016+A1:2018

PRODUCT RANGE:		
GANG	DESCRIPTION	PRODUCT CODE
1 GANG	1G 13A DP SWITCHED FUSED CONNECTION UNIT	MB1040WHI
	1G 13A DP SWT FUSED CON UNIT WITH FLEX	MB1041WHI
	1G 13A DP SWT FUSED CON UNIT WITH NEON	MB1042WHI
	1G 13A DP SWT FUSED CON UNIT + NEON & FLEX	MB1070WHI
	1G 13A DP UNSWT FUSE CON UNIT + NEON & FLEX	MB1030WHI
	1G 13A DP UNSWT FUSED CON UNIT WITH FLEX	MB1031WHI

MOUNTING BOXES (INTERNAL DEPTH):		
GANG	FLUSH	SURFACE
1 GANG	861ZIC (25mm)	
	866ZIC (35mm)	2031 WHI (42mm)

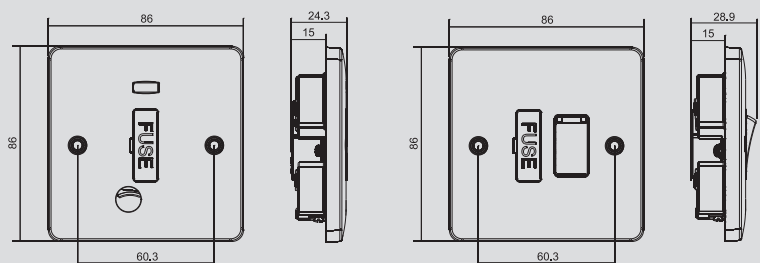
TECHNICAL SPECIFICATION	
ELECTRICAL	
VOLTAGE RATING 250V a.c.	
CURRENT RATING 13A	
TERMINAL CAPACITY 4 x 2.5mm ² or 3 x 4.0mm ² or 2 x 6.0mm ² (stranded)	
FLEX OUTLET/ CORD GRIP CAPACITY Min. 2 Core, 0.5mm ² Max. 3 Core, 1.5mm ²	
OPERATIONS 15000 times (switch)	
PHYSICAL	
AMBIENT OPERATING TEMPERATURE Conditions of use - Fused connection units shall be suitable for use under the following conditions: a) an ambient temperature in the range -5 °C to +40 °C, the average value over 24 h not exceeding 25 °C;	
NOTE Under normal conditions of use, the available cooling air is subject to natural atmospheric variations of temperature and hence the peak temperature occurs only occasionally during the hot season, and on those days when it does occur it does not persist for lengthy periods.	
IP RATING IP4X	
MAX. INSTALLATION ALTITUDE 2000 metres	



FEATURES

- Provide double pole switched construction for switched version, switch with positive switch action
- Two earth terminals for ease of looping
- Switch contacts with silver buttons on both surfaces ensuring good conductivity
- Switched connection unit is fitted with ASTA approved 13A fuse
- Switch rocker prominently printed with red flash to indicate 'ON'
- Fixing screws hidden by screw caps
- Minimum 3mm switching contact gap

- Made from urea which has inherent antimicrobial properties*
- Independently tested to the latest industry standard - ISO 22196:2011
- Bacteria kill rates over 24 hours:
 - MRSA – 99.98%
 - Klebsiella Pnaemonia – 99.78%
 - E.Coli – 99.99%
 - Listeria – 99.97%
 - Salmonella – 99.98%
 - S.Aureus 6538p – 99.99%
- Virus kill rate over 24 hours
 - Phi-X174 (internationally recognised as the standard for anti-viral testing) – 99.99%



1 Gang (Front Flex Outlet): 86mm x 86mm
Fixing Centres: 60.3mm
Frontplate Thickness: 9mm

1 Gang (Front Flex Outlet): 86mm x 86mm
Fixing Centres: 60.3mm
Frontplate Thickness: 9mm

* Screw caps are made from polycarbonate.

Reference colour code for urea components: RAL9001

Wiring Devices Technical

– MK Base

mkelectric.co.uk



Trailing Edge LED Dimmer - 1 Way

Standards and approvals

Compliance to IEC 60669-2-1:2002+A1:2008 and BSEN 60669-2-1: 2004+A12:2010

PRODUCT RANGE:		
GANG	DESCRIPTION	PRODUCT CODE
1 GANG	1G LED UNIVERSAL DIMMER	MB1523WHI
	2G LED UNIVERSAL DIMMER	MB1524WHI

MOUNTING BOXES (INTERNAL DEPTH):		
GANG	FLUSH	SURFACE
1 GANG	861 ZIC (25mm)	
	866 ZIC (35mm)	2031 WHI (42mm)
2 GANG	886 ZIC (35mm)	
	878 ZIC (46mm)	2072 WHI (42mm)

TECHNICAL SPECIFICATION

ELECTRICAL

VOLTAGE RATING

220 - 240V a.c, 50/60 Hz

TERMINAL CAPACITY

2 x 1.5mm²

2 x 2.5mm²

1 x 4.0mm² (stranded)

1 x 6.0mm² (stranded)

LAMP LOAD

MB1523WHI

Resistive: 10 W (min.) 200W(max)

LED (dimnable LED): 6 W (min.) 100W(max)

Halogen lamp with Electronic transformer: 35 W (min.) 100W(max)

MB1524WHI

Resistive: 10 W (min.) 200W(max)

LED (dimnable LED): 6 W (min.) 100W(max)

Halogen lamp with Electronic transformer: 35 W (min.) 100W(max)

PHYSICAL

AMBIENT OPERATING TEMPERATURE

Electronic switches complying with this standard are suitable for use at ambient temperature not normally exceeding 25 °C but occasionally reaching 35 °C.

IP RATING

IP4X

MAX. INSTALLATION ALTITUDE

2000 metres



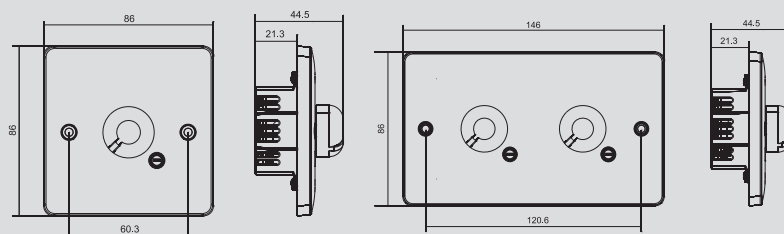
Caution Of Use

- Do not exceed the recommended load rating of this product as the protective device shall prevent the product from functioning;
- Waste electrical product should not be disposed together with household waste, please recycle where facilities exists, check with your local authority or retailer for recycling advice;
- If you are in doubt regarding the application or installation of this product, please contact the MK Technical Helpline.

FEATURES

- Wide rotating angle of 300° for dimming/brightness adjustment
- An overload protective device (non-resettable and non-replaceable) for safety purpose
- Provide feature for brightness adjustment at minimum dimming level
- Fixing screws hidden by screw caps
- EMC Compliance

- Made from urea which has inherent antimicrobial properties*
- Independently tested to the latest industry standard - ISO 22196:2011
- Bacteria kill rates over 24 hours;
 - MRSA – 99.98%
 - Klebiella Pnaemonia – 99.78%
 - E.Coli – 99.99%
 - Listeria – 99.97%
 - Salmonella – 99.98%
 - S.Aureus 6538p – 99.99%
- Virus kill rate over 24 hours
 - Phi-X174 (internationally recognised as the standard for anti-viral testing) – 99.99%



1 Gang: 86mm x 86mm
Fixing Centres: 60.3mm
Frontplate Thickness: 9mm

2 Gang: 86mm x 146mm
Fixing Centres: 120.6mm
Frontplate Thickness: 9mm

* Screw caps are made from polycarbonate.

Reference colour code for urea components: RAL9001



Technical Hotline
+44 (0)1268 563720

Wiring Devices Technical

– MK Base

Shaver Supply Unit

Standards and approvals

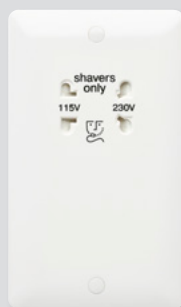
Compliance to IEC 61558-2-5:2010 and BSEN 61558-2-5:2010

PRODUCT RANGE:		
GANG	DESCRIPTION	PRODUCT CODE
2 GANG	115/230V SHAVER SOCKET 50Hz/60Hz	MB701WHI

MOUNTING BOXES (INTERNAL DEPTH):		
GANG	FLUSH	SURFACE
2 GANG	878 ZIC (46mm)	2172 WHI (44mm)

TECHNICAL SPECIFICATION

ELECTRICAL
INPUT VOLTAGE RATING 220 - 240V a.c. 50/60 Hz
OUTPUT VOLTAGE RATING 230 V a.c. and 115 V a.c.
TERMINAL CAPACITY 200mA maximum (internal thermistor trip current)
MAXIMUM LOAD 20VA No Load Voltage <275V*
*The design of this unit means that on no load the transformer output is allowed to be as high as 275V. To protect the transformer, loads in excess of 20VA may cause the solid state overload to operate before shaving is completed.
ACCOMMODATE PLUGS
<ul style="list-style-type: none"> British 5mm diameter pins on 16.6mm pitch (230V socket) to BS 4573. European 4mm diameter pins on 17-19mm pitch (230V socket) to IEC 83 Standard C5. Australian 6.5mm x 1.6mm flat blades each set to the vertical on a nominal 13.7mm pitch (230V socket) to AS C112. American 6.6mm x 1.6mm flat horizontal blades on 12.7mm pitch (115V socket) to ANSI C73.10.
PHYSICAL
AMBIENT OPERATING TEMPERATURE Shaver units shall be suitable for use under the following conditions: a) an ambient temperature in the range -5 °C to +40 °C b) the average value over 24 h not exceeding 25 °C;
NOTE - Under normal conditions of use, the available cooling air is subject to natural atmospheric variations of temperature and hence the peak temperature occurs only occasionally during the hot season, and on those days when it does occur it does not persist for lengthy periods.
IP RATING IP41
MAX. INSTALLATION ALTITUDE 2000 metres



Caution Of Use

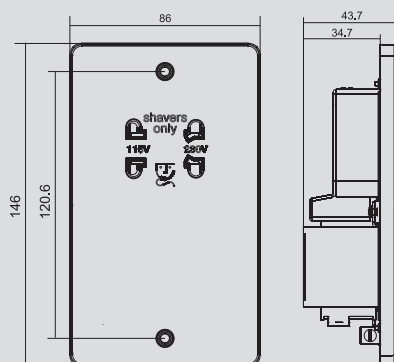
Shaver units shall be suitable for use under the following conditions:

- a) an ambient temperature in the range -5 °C to +40 °C
- b) the average value over 24 h not exceeding 25 °C;

NOTE - Under normal conditions of use, the available cooling air is subject to natural atmospheric variations of temperature and hence the peak temperature occurs only occasionally during the hot season, and on those days when it does occur it does not persist for lengthy periods.

FEATURES	
<ul style="list-style-type: none"> 230VAC or 115VAC output for choice Safety interlocked shutters to prevent insertion of two plugs simultaneously Integral over-current device to protect transformer Automatic primary supply switching on insertion of plug 	<ul style="list-style-type: none"> Top access terminals make wiring quicker and easier Fixing screws hidden by screw caps Printed symbols on the front Ideal to be used in bathrooms and washrooms

<ul style="list-style-type: none"> Made from urea which has inherent antimicrobial properties* Independently tested to the latest industry standard - ISO 22196:2011 Bacteria kill rates over 24 hours; <ul style="list-style-type: none"> - MRSA – 99.98% - Klebiella Pnaemonia – 99.78% - E.Coli – 99.99% - Listeria – 99.97% - Salmonella – 99.98% - S.Aureus 6538p – 99.99% Virus kill rate over 24 hours <ul style="list-style-type: none"> - Phi-X174 (internationally recognised as the standard for anti-viral testing) – 99.99% 	
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2 Gang: 86mm x 146mm
Fixing Centres: 120.6mm
Frontplate Thickness: 9.0mm

* Screw caps are made from polycarbonate.

Reference colour code for urea components: RAL9001

Wiring Devices Technical

– MK Base

TV Socket Outlets

Standards and approvals

Applicable to Insulating Material:
BS 5733:2010+A1:2014

PRODUCT RANGE:		
GANG	DESCRIPTION	PRODUCT CODE
1 GANG	1G SINGLE OUTLET MALE NON-ISOLATED TV SOCKET	MB3520WHI
	1G SINGLE FEMALE NON-ISOLATED TV SOCKET	MB3521WHI
	1G SINGLE OUTLET ISOLATED TV SOCKET	MB3522WHI
	1G DOUBLE OUTLET TV-FM ISOLATED SOCKET	MB3523WHI
	1G TRIPLE OUTLET TV-FM-SAT TRIPLEXER	MB3553WHI

MOUNTING BOXES (INTERNAL DEPTH):		
GANG	FLUSH	SURFACE
1 GANG	866 ZIC (35mm)	
	877 ZIC (46mm)	2031 WHI (42mm)

TECHNICAL SPECIFICATION	
PHYSICAL	
AMBIENT OPERATING TEMPERATURE	
Accessories conforming to this standard are suitable for use under the following conditions of service: - an ambient temperature in the range -5 °C to +40 °C, the average value over 24 h not exceeding 25 °C;	
NOTE 1 Under normal conditions of use, the available cooling air is subject to natural atmospheric variations of temperature and hence the peak temperature occurs only occasionally during the hot season, and on those days when it does occur, it does not persist for lengthy periods.	
IP RATING IP4X	
MAX. INSTALLATION ALTITUDE 2000 metres	

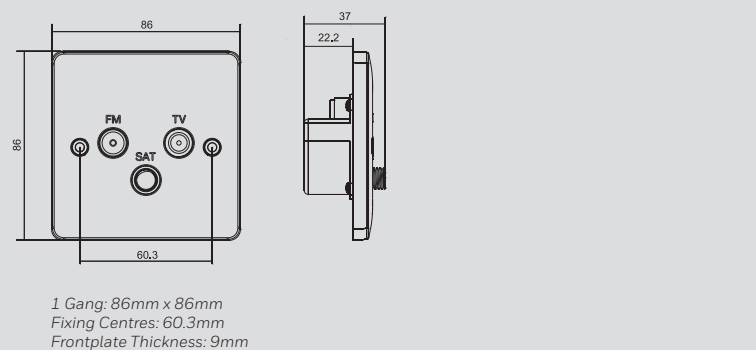
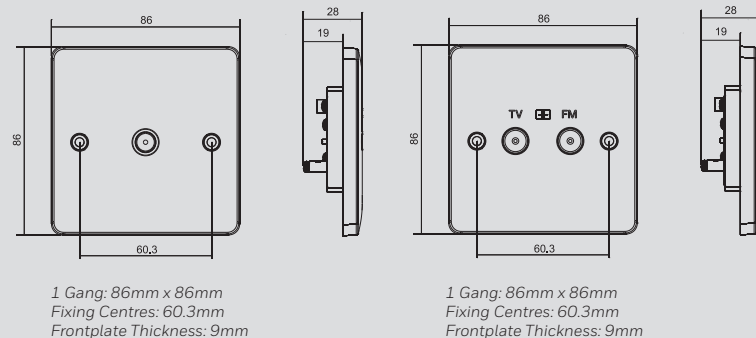
SMATV - TV/FM/SAT TRIPLEXER OUTLET			
NO	PARAMETER	PRODUCT SPECIFICATION	
1	Input Frequency (MHz)	5/2400 MHz	
2	Output Frequency (MHz)	5/2400 MHz	
3	Output TV	Frequency (MHz)	5/65 – 120/862
		Connector	IEC 9,52 F
4	Output RD	Frequency (MHz)	85/110 MHz
		Connector	IEC 9,52 M
5	Output RD	Frequency (MHz)	950/2400 MHz
		Connector	F female
6	Through loss (dB)	TV	< 3.5-4 dB
		SAT	< 4.5-6 dB
7	Tap loss (dB)	<5 dB	
8	Isolation between outputs	<25 dB	



FEATURES

- Clear aesthetic markings on the frontplate
- Fixing screws hidden by screw caps

- Made from urea which has inherent antimicrobial properties*
- Independently tested to the latest industry standard - ISO 22196:2011
- Bacteria kill rates over 24 hours;
 - MRSA – 99.98%
 - Klebsiella Pnaemonia – 99.78%
 - E.Coli – 99.99%
 - Listeria – 99.97%
 - Salmonella – 99.98%
 - S.Aureus 6538p – 99.99%
- Virus kill rate over 24 hours
 - Phi-X174 (internationally recognised as the standard for anti-viral testing) – 99.99%



Recommend coaxial cable entry from the sides of installation box to allow enough space for cable movement within the box.

Curl coaxial cable into a spiral shape to ease fitting the product into the box.

* Screw caps are made from polycarbonate.

Reference colour code for urea components: RAL9001



Technical Hotline
+44 (0)1268 563720

Wiring Devices Technical – MK Base

Voice/Data Product

Standards and approvals

Applicable to Insulating Material:
BS 5733:2010+A1:2014

Applicable to CAT 6 module:
ANSI/TIA-568-C.2-2009



PRODUCT RANGE:		
GANG	DESCRIPTION	PRODUCT CODE
1 GANG	1G RJ11 4 WIRE TELEPHONE SOCKET	MB417WHI
	1G DOUBLE RJ11 4 WIRE TELEPHONE SOCKET	MB418WHI
	1G BT TELEPHONE SOCKET (MASTER)	MB422WHI
	1G BT TELEPHONE SOCKET (SECONDARY)	MB427WHI
	1G RJ45 CAT6 DATA SOCKET	MB428WHI
	1G DOUBLE RJ45 CAT6 DATA SOCKET	MB429WHI

FEATURES

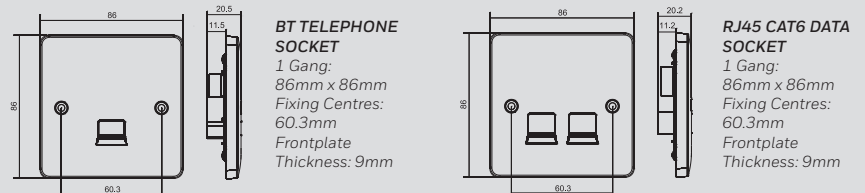
- RJ45 CAT6 Data module with shutter for in-coming CAT6 network plug connection
- RJ11 Telephone module with shutter for in-coming telephone plug connection
- Fixing screws hidden by screw caps

- Made from urea which has inherent antimicrobial properties*
- Independently tested to the latest industry standard - ISO 22196:2011
- Bacteria kill rates over 24 hours:
 - MRSA – 99.98%
 - Klebsiella Pnaemonia – 99.78%
 - E.Coli – 99.99%
 - Listeria – 99.97%
 - Salmonella – 99.98%
 - S.Aureus 6538p – 99.99%
- Virus kill rate over 24 hours
 - Phi-X174 (internationally recognised as the standard for anti-viral testing) – 99.99%

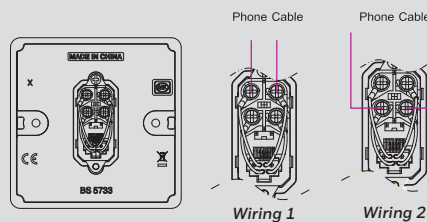


MOUNTING BOXES (INTERNAL DEPTH):		
GANG	FLUSH	SURFACE
1 GANG	861 ZIC (25mm)	
	866 ZIC (35mm)	2031WHI (42mm)

TECHNICAL SPECIFICATION	
RJ11 4 WIRE TELEPHONE SOCKET SPECIFICATION	
CONTACT FORCE 99.2g (3.5oz) FCC Plug	
PLUG RETENTION FORCE 301b (133n/13.3Kg)	
JACK INSERTION FORCE 0.5Kg minimum	
JACK RETENTION FORCE 0.5Kg minimum	
CONTACT PLATING Flash gold plating on contact area	
RJ11 4 WIRE TELEPHONE SOCKET SPECIFICATION	
INSULATION RESISTANCE ≥ 500 MΩ, 500VDC	PLUG RETENTION FORCE 301b (133n/13.3Kg)
DIELECTRIC WITHSTAND VOLT 1000VAC @60Hz for 1 minute	JACK INSERTION FORCE 0.5Kg minimum
CONTACT RESISTANCE ≤ 20 MΩ	JACK RETENTION FORCE 0.5Kg minimum
CURRENT RATING 1.5A at 68°F	CONTACT PLATING 50u" gold plating over contact area
CONTACT FORCE 99.2g (3.5oz) FCC Plug	ACCEPTABLE CABLE SIZE FOR IDC 23 ~ 26 AWG Solid Cable
PLUG INSERTION LIFE ≥ 750 times plug in	



A: RJ11 4 Wire Telephone - Wiring Scheme

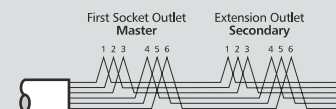


Note:

1. There are 4 colour codes: Red, Green, Black, Yellow, in which have two wiring schemes;
2. Please select the desired wiring scheme (see picture - wiring 1 or 2);
3. Then loosen the screws of the wiring scheme slots, and insert the 2 wires of the phone cable into them;
4. Tighten back the screws with the phone cable secured.

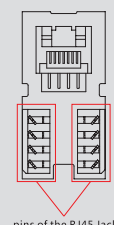
B: BT Telephone Socket - Wiring Scheme and Colour Codes

PIN NO.	STRIPPED COLOUR WIRE
1	WHITE / white
2	BLUE / white
3	ORANGE / white
4	WHITE / orange
5	WHITE / blue
6	WHITE / green



C: RJ45 CAT6 DATA Socket – TIA/EIA Wiring Scheme and Colour Codes

PIN NO.	568A	568B
1	WHITE / green	WHITE / orange
2	GREEN	ORANGE
3	WHITE / orange	WHITE / green
4	BLUE	BLUE
5	WHITE / blue	WHITE / blue
6	ORANGE	GREEN
7	WHITE / brown	WHITE / brown
8	BROWN	BROWN



Note:

1. There is a label in the RJ45 module in which marked the two different TIA wiring scheme, and each scheme has 8 different colour codes; A-568A, B-568B
2. Please select the desired wiring scheme;
3. Insert the 8 wires of the cable into the pins of the RJ45 jack (see image), and each wire shall match the same colour pin of RJ45 jack according;
4. Then secure the cable wires into the RJ45 jack by the use of an appropriate cable-tool

* Screw caps are made from polycarbonate.

Reference colour code for urea components: RAL9001

Wiring Devices Technical

– MK Base

mkelectric.co.uk



Blank Plates

Standards and approvals

Compliance to BS 5733:2010+A1:2014

PRODUCT RANGE:

GANG	DESCRIPTION	PRODUCT CODE
1 GANG	1G BLANK PLATE	MB3827WHI
2 GANG	2G BLANK PLATE	MB3828WHI

MOUNTING BOXES (INTERNAL DEPTH):

GANG	FLUSH	SURFACE
1 GANG	861ZIC (25mm)	
	866ZIC (35mm)	2031 WHI (42mm)
2 GANG	886ZIC (35mm)	
	878ZIC (46mm)	2172WHI (44mm)

TECHNICAL SPECIFICATION

PHYSICAL

AMBIENT OPERATING TEMPERATURE

Accessories conforming to this standard are suitable for use under the following conditions of service:

- an ambient temperature in the range -5 °C to +40 °C, the average value over 24 h not exceeding 25 °C;

NOTE 1 Under normal conditions of use, the available cooling air is subject to natural atmospheric variations of temperature and hence the peak temperature occurs only occasionally during the hot season, and on those days when it does occur, it does not persist for lengthy periods.

IP RATING

IP4X

MAX. INSTALLATION ALTITUDE

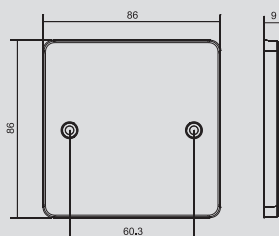
2000 metres



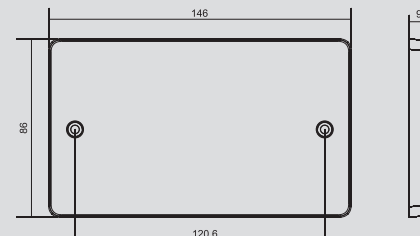
FEATURES

- Fixing Screws hidden by screw caps

- Made from urea which has inherent antimicrobial properties*
- Independently tested to the latest industry standard - ISO 22196:2011
- Bacteria kill rates over 24 hours;
 - MRSA – 99.98%
 - Klebsiella Pnaemonia – 99.78%
 - E.Coli – 99.99%
 - Listeria – 99.97%
 - Salmonella – 99.98%
 - S.Aureus 6538p – 99.99%
- Virus kill rate over 24 hours
 - Phi-X174 (internationally recognised as the standard for anti-viral testing) – 99.99%



1 Gang: 86mm x 86mm
Fixing Centres: 60.3mm
Frontplate Thickness: 9mm



2 Gang: 86mm x 146mm
Fixing Centres: 120.6mm
Frontplate Thickness: 9mm

* Screw caps are made from polycarbonate.

Reference colour code for urea components: RAL9001



Technical Hotline
+44 (0)1268 563720

Wiring Devices Technical

– MK Base

EURO Front Plates

Standards and approvals

Compliance to BS 5733:2010+A1:2014

PRODUCT RANGE:		
GANG	DESCRIPTION	PRODUCT CODE
1 GANG	1M EURO FRONT PLATE	MB181WHI
	2M EURO FRONT PLATE	MB182WHI
2 GANG	4M EURO FRONT PLATE	MB184WHI

MOUNTING BOXES (INTERNAL DEPTH):		
GANG	FLUSH	SURFACE
1 GANG	866ZIC (35mm)	
	877ZIC (46mm)	2031 WHI (42mm)
2 GANG	886ZIC (35mm)	
	878ZIC (46mm)	2172WHI (44mm)


TECHNICAL SPECIFICATION	
PHYSICAL	
AMBIENT OPERATING TEMPERATURE	
Accessories conforming to this standard are suitable for use under the following conditions of service: - an ambient temperature in the range -5 °C to +40 °C, the average value over 24 h not exceeding 25 °C;	
NOTE 1 Under normal conditions of use, the available cooling air is subject to natural atmospheric variations of temperature and hence the peak temperature occurs only occasionally during the hot season, and on those days when it does occur, it does not persist for lengthy periods.	
IP RATING IP2X	
MAX. INSTALLATION ALTITUDE 2000 metres	



FEATURES

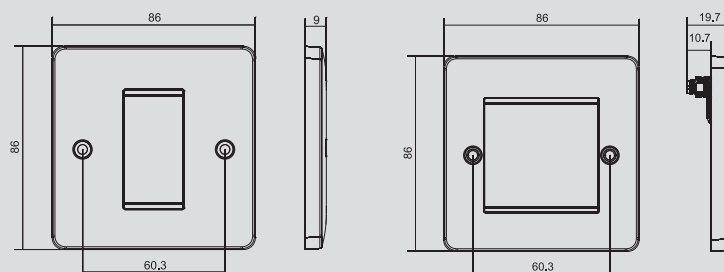
- Earth terminals for ease of looping for 1G 2M Euro Front Plate and 2G 4M Euro Front Plate
- Fixing screws hidden by screw caps

- Made from urea which has inherent antimicrobial properties*
- Independently tested to the latest industry standard - ISO 22196:2011
- Bacteria kill rates over 24 hours;
 - MRSA – 99.98% - Klebsiella Pnaemonia – 99.78%
 - E.Coli – 99.99% - Listeria – 99.97%
 - Salmonella – 99.98% - S.Aureus 6538p – 99.99%
- Virus kill rate over 24 hours
- Phi-X174 (internationally recognised as the standard for anti-viral testing) – 99.99%



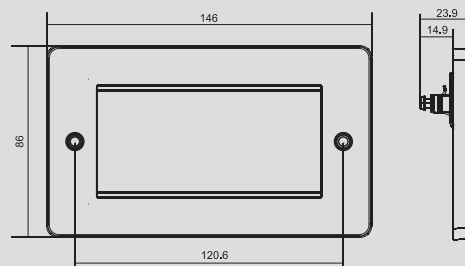
* Screw caps are made from polycarbonate.

Reference colour code for urea components: RAL9001



1 Gang: 86mm x 86mm
Fixing Centres: 60.3mm
Frontplate Thickness: 9mm

1 Gang: 86mm x 86mm
Fixing Centres: 60.3mm
Frontplate Thickness: 9mm



2 Gang: 86mm x 146mm
Fixing Centres: 120.6mm
Frontplate Thickness: 9mm

Wiring Devices Technical

– MK Base

mkelectric.co.uk



Grid Front Plates

Standards and approvals

Compliance to BS 5733:2010+A1:2014

PRODUCT RANGE:

GANG	DESCRIPTION	PRODUCT CODE
1 GANG	1 MOD GRID PLATE	MB3631WHI
	2 MOD GRID PLATE	MB3632WHI
2 GANG	3 MOD GRID PLATE	MB3633WHI
	4 MOD GRID PLATE	MB3634WHI

MOUNTING BOXES (INTERNAL DEPTH):

GANG	FLUSH	SURFACE
1 GANG	866ZIC (35mm)	
	877ZIC (46mm)	2031 WHI (42mm)
2 GANG	886ZIC (35mm)	
	878ZIC (46mm)	2172WHI (44mm)

TECHNICAL SPECIFICATION

PHYSICAL

AMBIENT OPERATING TEMPERATURE

Accessories conforming to this standard are suitable for use under the following conditions of service:

- an ambient temperature in the range -5 °C to +40 °C, the average value over 24 h not exceeding 25 °C;

NOTE 1 Under normal conditions of use, the available cooling air is subject to natural atmospheric variations of temperature and hence the peak temperature occurs only occasionally during the hot season, and on those days when it does occur, it does not persist for lengthy periods.

IP RATING

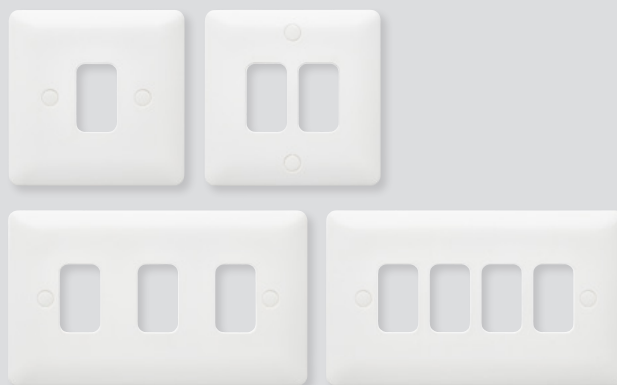
IP4X

MAX. INSTALLATION ALTITUDE

2000 metres

* Screw caps are made from polycarbonate.

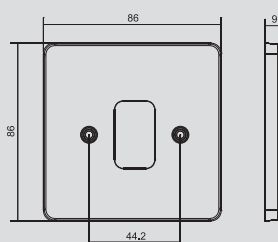
Reference colour code for urea components: RAL9001



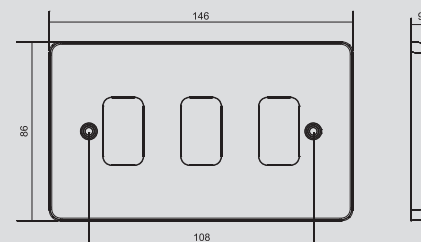
FEATURES

- Fixing Screws hidden by screw caps

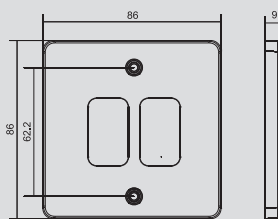
- Made from urea which has inherent antimicrobial properties*
- Independently tested to the latest industry standard - ISO 22196:2011
- Bacteria kill rates over 24 hours;
 - MRSA – 99.98%
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 - E.Coli – 99.99%
 - Listeria – 99.97%
 - Salmonella – 99.98%
 - S.Aureus 6538p – 99.99%
- Virus kill rate over 24 hours
 - Phi-X174 (internationally recognised as the standard for anti-viral testing) – 99.99%



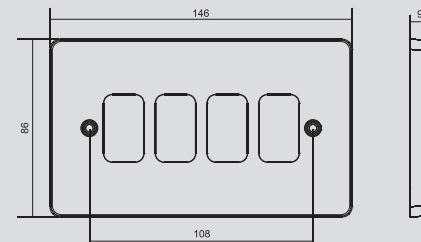
1 Gang: 86mm x 86mm
Fixing Centres: 60.3mm
Frontplate Thickness: 9mm



2 Gang: 86mm x 146mm
Fixing Centres: 120.6mm
Frontplate Thickness: 9mm



1 Gang: 86mm x 86mm
Fixing Centres: 60.3mm
Frontplate Thickness: 9mm



2 Gang: 86mm x 146mm
Fixing Centres: 120.6mm
Frontplate Thickness: 9mm