



# USB TYPE A+C

WIRING DEVICES TECHNICAL



# WIRING DEVICES TECHNICAL LOGIC PLUS™

mkelectric.com



## 2 Gang Switchsocket Outlet with Integrated Dual USB Ports - Type A + C

### Standards and approvals

Complies with BS 1363-2:2016+A1:2018.

Products are CE marked and meet the requirements of the Low Voltage, EMC, RoHS and WEEE directives.



### TECHNICAL SPECIFICATION

#### ELECTRICAL

**INPUT VOLTAGE AND FREQUENCY**  
220-240V a.c. 50/60Hz

**OUTPUT VOLTAGE**  
5V d.c.

**OUTPUT CURRENT**  
3.0A

**OUTPUT POWER**  
15.0W

**AVERAGE ACTIVE EFFICIENCY**  
84%

**LOW LOAD EFFICIENCY**  
76.5%

**NO LOAD POWER CONSUMPTION**  
0.05W

**CURRENT RATING**  
13A  
Combined total 3A drawn from USB outlets

**TERMINAL CAPACITY**  
Live, neutral & earth  
3 x 2.5mm<sup>2</sup>, 3 x 4mm<sup>2</sup>, 2 x 6mm<sup>2</sup> (stranded)

#### PHYSICAL

**AMBIENT OPERATING TEMPERATURE**  
0°C to +40°C

**IP RATING**  
IP2XD

**MAX. INSTALLATION ALTITUDE**  
2000 metres

### Description

These products offer end users easy access to power for charging a variety of devices such as smart phones, tablets and cameras. They also offer benefits of the advantageous design features of Logic Plus including - safety and quick install.

#### FEATURES

- Can charge Type A and C devices at up to 2A and 3A respectively
- USB outlets are designed to provide optimum charging compatibility across a wide range of devices
- Differing manufacturers devices can be charged simultaneously via the two USB outlets
- If two devices are connected to USB outlets the total rated current of 3A is divided between the two outlets
- If the total charging current exceeds the rated level of 3A then the device will enter a current limiting safety mode
- Electronically protected against an overload or short circuit on either USB outlet
- 3 pin operated safety shutter on 13A socket outlets
- Dual earthed for added user safety
- Backed out and captive terminal screws
- Top access, angled terminals make wiring easier and quicker
- 3mm minimum switch contact gap
- Double pole switching
- Additional electrical safety from neutral 'make first', 'break last' feature
- Printed terminal markings on dark rear mouldings for clearer identification
- Switch contacts with silver contacts on both surfaces for good continuity
- Moulded 'on' indicator flash on switches will not rub off – totally safe

- Made from urea formaldehyde which has inherent antimicrobial properties
- Independently tested to the latest industry standard - ISO 22196:2011
- Bacteria kill rates over 24 hours;
 

- MRSA - >99.99%	- Klebsiella Pneumonia - >99.99%
- E.Coli - >99.99%	- Listeria - >99.99%
- Salmonella - >99.99%	- S.Aureus 6538p - >99.99%
- Virus kill rate over 24 hours
 

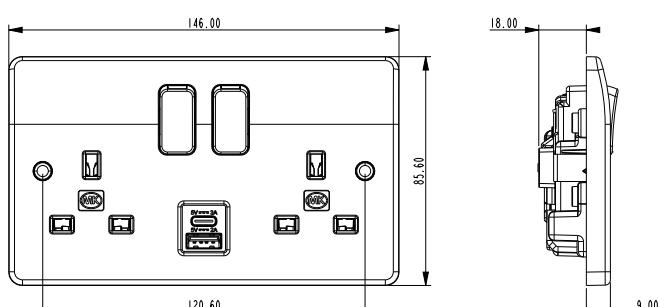
- Phi-X174 (internationally recognised as the standard for anti-viral testing) - >99.99%
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### Installation

Do not mount or use as a trailing socket or where they may be subject to excessive moisture or damp.

### Dimensions (mm)



MINIMUM BOX DEPTH	BOX DEPTH FOR EXTRA WIRING SPACE
25MM*	35MM
RECOMMENDED BOXES	
862ZIC	FLUSH 25MM
886ZIC	FLUSH 35MM
K2142WHI	SURFACE 30MM

\*For compliance to BS1363, use either a minimum 35mm backbox or the K1000 pattress with a 25mm backbox

Note: When carrying out insulation resistance testing, first DISCONNECT the product. Failing to do this could damage the product and will also give spurious insulation readings.

# WIRING DEVICES TECHNICAL ALBANY PLUS™

## 2 Gang Switchsocket Outlet with Integrated Dual USB Ports - Type A + C

### Standards and approvals

Complies with BS 1363-2:2016+A1:2018.

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### TECHNICAL SPECIFICATION

#### ELECTRICAL

**INPUT VOLTAGE AND FREQUENCY**  
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5V d.c.

**OUTPUT CURRENT**  
3.0A

**OUTPUT POWER**  
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**NO LOAD POWER CONSUMPTION**  
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13A  
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**TERMINAL CAPACITY**  
Live, neutral & earth  
3 x 2.5mm<sup>2</sup>, 3 x 4mm<sup>2</sup>, 2 x 6mm<sup>2</sup> (stranded)

#### PHYSICAL

**AMBIENT OPERATING TEMPERATURE**  
0°C to +40°C

**IP RATING**  
IP2XD

**MAX. INSTALLATION ALTITUDE**  
2000 metres

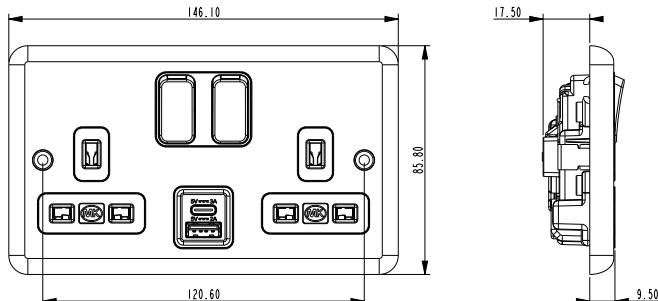
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- 3mm minimum switch contact gap
- Double pole switching
- Additional electrical safety from neutral 'make first', 'break last' feature
- Printed terminal markings on dark rear mouldings for clearer identification
- Switch contacts with silver contacts on both surfaces for good continuity
- Moulded 'on' indicator flash on switches will not rub off – totally safe

### Dimensions (mm)



### Installation

Do not mount or use as a trailing socket or where they may be subject to excessive moisture or damp.

#### BOX TYPES WITHOUT PATRESS

GANG	FLUSH	SURFACE INSULATED	SURFACE METAL
2	DEPTH 25MM	DEPTH 30MM	DEPTH 41MM
	862ZIC	K2142WHI	K2212ALM/ K2214ALM

\*For compliance to BS1363, use either a minimum 35mm backbox or the K1000 pattress with a 25mm backbox

Note: When carrying out insulation resistance testing, first DISCONNECT the product. Failing to do this could damage the product and will also give spurious insulation readings.

# WIRING DEVICES TECHNICAL

## METALCLAD PLUS™

mkelectric.com



### 2 Gang Switchsocket Outlet with Integrated Dual USB Ports - Type A + C

#### Standards and approvals

Complies with BS 1363-2:2016+A1:2018.

Products are CE marked and meet the requirements of the Low Voltage, EMC, RoHS and WEEE directives.



#### TECHNICAL SPECIFICATION

##### ELECTRICAL

###### INPUT VOLTAGE AND FREQUENCY

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

###### OUTPUT VOLTAGE

5V d.c.

###### OUTPUT CURRENT

3.0A

###### OUTPUT POWER

15.0W

###### AVERAGE ACTIVE EFFICIENCY

84%

###### LOW LOAD EFFICIENCY

76.5%

###### NO LOAD POWER CONSUMPTION

0.05W

###### CURRENT RATING

13A

Combined total 3A drawn from USB outlets

###### TERMINAL CAPACITY

Live, neutral & earth

3 x 2.5mm<sup>2</sup>, 3 x 4mm<sup>2</sup>, 2 x 6mm<sup>2</sup> (stranded)

###### PHYSICAL

###### AMBIENT OPERATING TEMPERATURE

0°C to +40°C

###### IP RATING

IP2XD

###### MAX. INSTALLATION ALTITUDE

2000 metres

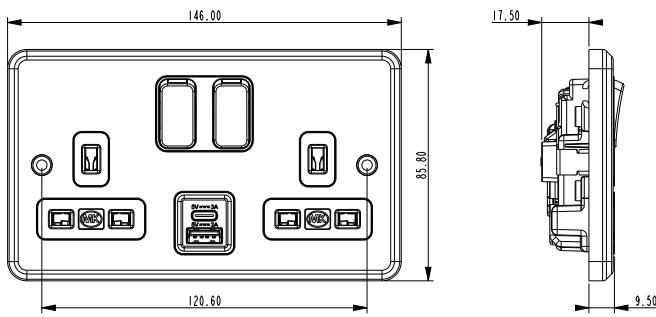
#### Description

These products offer end users easy access to power for charging a variety of devices such as smart phones, tablets and cameras. They also offer benefits of the advantageous design features of Metalclad Plus including - safety and quick install.

#### FEATURES

- Can charge Type A and C devices at up to 2A and 3A respectively
- USB outlets are designed to provide optimum charging compatibility across a wide range of devices
- Differing manufacturers devices can be charged simultaneously via the two USB outlets
- If two devices are connected to USB outlets the total rated current of 3A is divided between the two outlets
- If the total charging current exceeds the rated level of 3A then the device will enter a current limiting safety mode
- Electronically protected against an overload or short circuit on either USB outlet
- 3 pin operated safety shutter on 13A socket outlets
- Dual earthed for added user safety
- Backed out and captive terminal screws
- Top access, angled terminals make wiring easier and quicker
- 3mm minimum switch contact gap
- Double pole switching
- Additional electrical safety from neutral 'make first', 'break last' feature
- Printed terminal markings on dark rear mouldings for clearer identification
- Switch contacts with silver contacts on both surfaces for good continuity
- Moulded 'on' indicator flash on switches will not rub off – totally safe

#### Dimensions (mm)



#### Installation

Do not mount or use as a trailing socket or where they may be subject to excessive moisture or damp.

#### BOX TYPES WITHOUT PATRESS

GANG	FLUSH	SURFACE
	DEPTH 35MM	DEPTH 38MM
2		K830ALM (WITHOUT KNOCKOUTS) K897ALM AND K897WHI (WITH 8 X 20MM KNOCKOUTS)
	886ZIC	

Note: When carrying out insulation resistance testing, first DISCONNECT the product. Failing to do this could damage the product and will also give spurious insulation readings.

# WIRING DEVICES TECHNICAL ASPECT

## 2 Gang Switchsocket Outlet with Integrated Dual USB Ports - Type A + C

### Standards and approvals

Complies with BS 1363-2:2016+A1:2018.

Products are CE marked and meet the requirements of the Low Voltage, EMC, RoHS and WEEE directives.



### TECHNICAL SPECIFICATION

#### ELECTRICAL

**INPUT VOLTAGE AND FREQUENCY**  
220-240V a.c. 50/60Hz

**OUTPUT VOLTAGE**  
5V d.c.

**OUTPUT CURRENT**  
3.0A

**OUTPUT POWER**  
15.0W

**AVERAGE ACTIVE EFFICIENCY**  
84%

**LOW LOAD EFFICIENCY**  
76.5%

**NO LOAD POWER CONSUMPTION**  
0.05W

**CURRENT RATING**  
13A  
Combined total 3A drawn from USB outlets

**TERMINAL CAPACITY**  
Live, neutral & earth  
3 x 2.5mm<sup>2</sup>, 3 x 4mm<sup>2</sup>, 2 x 6mm<sup>2</sup> (stranded)

#### PHYSICAL

**AMBIENT OPERATING TEMPERATURE**  
0°C to +40°C

**IP RATING**  
IP2XD

**MAX. INSTALLATION ALTITUDE**  
2000 metres

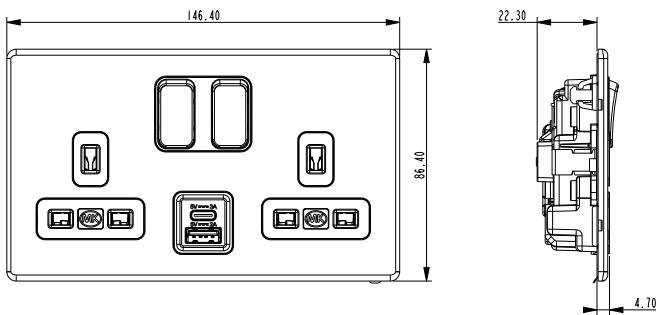
### Description

These products offer end users easy access to power for charging a variety of devices such as smart phones, tablets and cameras. They also offer benefits of the advantageous design features of Aspect including - safety and quick install.

#### FEATURES

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- Dual earthed for added user safety
- Backed out and captive terminal screws
- Top access, angled terminals make wiring easier and quicker
- 3mm minimum switch contact gap
- Double pole switching
- Additional electrical safety from neutral 'make first', 'break last' feature
- Printed terminal markings on dark rear mouldings for clearer identification
- Switch contacts with silver contacts on both surfaces for good continuity
- Slim screwless frontplate design
- Matching metal rocker switches

### Dimensions (mm)



### Installation

Do not mount or use as a trailing socket or where they may be subject to excessive moisture or damp.

### BOX TYPES WITHOUT PATRESS

GANG	FLUSH
2	DEPTH 35MM 886ZIC

*Note: When carrying out insulation resistance testing, first DISCONNECT the product. Failing to do this could damage the product and will also give spurious insulation readings.*

# WIRING DEVICES TECHNICAL

## EDGE™

mkelectric.com



### 2 Gang Switchsocket Outlet with Integrated Dual USB Ports - Type A + C

#### Standards and approvals

Complies with BS 1363-2:2016+A1:2018.

Products are CE marked and meet the requirements of the Low Voltage, EMC, RoHS and WEEE directives.



#### TECHNICAL SPECIFICATION

##### ELECTRICAL

**INPUT VOLTAGE AND FREQUENCY**  
220-240V a.c. 50/60Hz

##### OUTPUT VOLTAGE

5V d.c.

##### OUTPUT CURRENT

3.0A

##### OUTPUT POWER

15.0W

##### AVERAGE ACTIVE EFFICIENCY

84%

##### LOW LOAD EFFICIENCY

76.5%

##### NO LOAD POWER CONSUMPTION

0.05W

##### CURRENT RATING

13A

Combined total 3A drawn from USB outlets

##### TERMINAL CAPACITY

Live, neutral &amp; earth

3 x 2.5mm<sup>2</sup>, 3 x 4mm<sup>2</sup>, 2 x 6mm<sup>2</sup> (stranded)

##### PHYSICAL

##### AMBIENT OPERATING TEMPERATURE

0°C to +40°C

##### IP RATING

IP2XD

##### MAX. INSTALLATION ALTITUDE

2000 metres

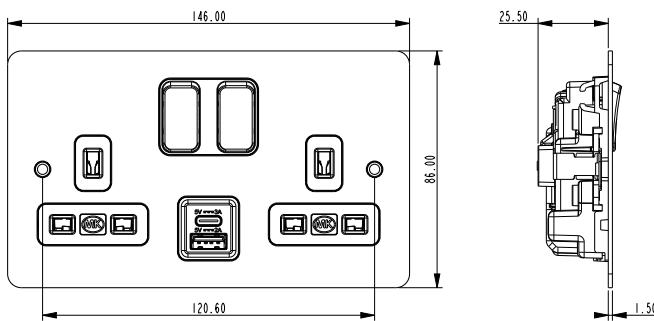
#### Description

These products offer end users easy access to power for charging a variety of devices such as smart phones, tablets and cameras. They also offer benefits of the advantageous design features of Edge including - safety and quick install.

#### FEATURES

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- Switch contacts with silver contacts on both surfaces for good continuity
- Matching metal rocker switches

#### Dimensions (mm)



#### Installation

Do not mount or use as a trailing socket or where they may be subject to excessive moisture or damp.

#### BOX TYPES WITHOUT PATRESS

GANG	FLUSH
2	DEPTH 35MM 886ZIC

*Note: When carrying out insulation resistance testing, first DISCONNECT the product. Failing to do this could damage the product and will also give spurious insulation readings.*

# WIRING DEVICES TECHNICAL MK DIMENSIONS

## 2 Gang Switchsocket Outlet with Integrated Dual USB Ports - Type A + C

### Standards and approvals

Complies with BS 1363-2:2016+A1:2018.

Products are CE marked and meet the requirements of the Low Voltage, EMC, RoHS and WEEE directives.



### TECHNICAL SPECIFICATION

#### ELECTRICAL

**INPUT VOLTAGE AND FREQUENCY**  
220-240V a.c. 50/60Hz

**OUTPUT VOLTAGE**  
5V d.c.

**OUTPUT CURRENT**  
3.0A

**OUTPUT POWER**  
15.0W

**AVERAGE ACTIVE EFFICIENCY**  
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**NO LOAD POWER CONSUMPTION**  
0.05W

**CURRENT RATING**  
13A  
Combined total 3A drawn from USB outlets

**TERMINAL CAPACITY**  
Live, neutral & earth  
3 x 2.5mm<sup>2</sup>, 3 x 4mm<sup>2</sup>, 2 x 6mm<sup>2</sup> (stranded)

#### PHYSICAL

**AMBIENT OPERATING TEMPERATURE**  
0°C to +40°C

**IP RATING**  
IP2XD

**MAX. INSTALLATION ALTITUDE**  
2000 metres

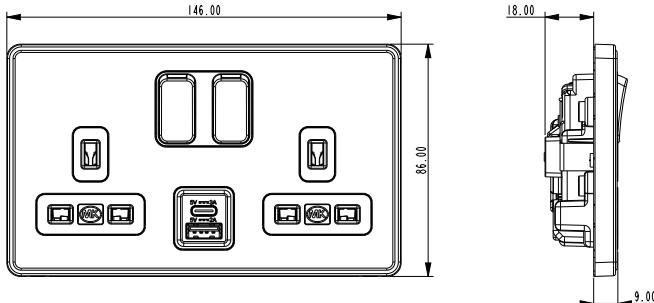
### Description

These products offer end users easy access to power for charging a variety of devices such as smart phones, tablets and cameras. They also offer benefits of the advantageous design features of MK Dimensions including - safety and quick install.

#### FEATURES

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### Dimensions (mm)



### Installation

Do not mount or use as a trailing socket or where they may be subject to excessive moisture or damp.

MINIMUM BOX DEPTH	BOX DEPTH FOR EXTRA WIRING SPACE
25MM*	35MM
RECOMMENDED BOXES	
862ZIC	FLUSH 25MM
886ZIC	FLUSH 35MM
K2142WHI	SURFACE 30MM

\*For compliance to BS1363, use either a minimum 35mm backbox or the K1000 pattress with a 25mm backbox

Note: When carrying out insulation resistance testing, first DISCONNECT the product. Failing to do this could damage the product and will also give spurious insulation readings.

# WIRING DEVICES TECHNICAL ELEMENTS

mkelectric.com



## 2 Gang Switchsocket Outlet with Integrated Dual USB Ports - Type A + C

### Standards and approvals

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### TECHNICAL SPECIFICATION

#### ELECTRICAL

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5V d.c.

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0.05W

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13A

Combined total 3A drawn from USB outlets

##### TERMINAL CAPACITY

Live, neutral & earth

3 x 2.5mm<sup>2</sup>, 3 x 4mm<sup>2</sup>, 2 x 6mm<sup>2</sup> (stranded)

#### PHYSICAL

##### AMBIENT OPERATING TEMPERATURE

0°C to +40°C

##### IP RATING

IP2XD

##### MAX. INSTALLATION ALTITUDE

2000 metres

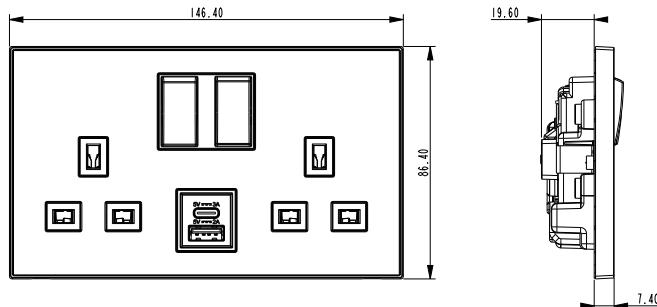
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