

technical hotline +44 (0)1268 563720

ingress protected IP66 | wiring devices



range introduction

Masterseal Plus™ has been specifically developed for use in both outdoor and indoor environments, and where wiring devices and accessories would be at risk from penetration by dust or water. With a rating of IP66, Masterseal Plus™ offers total protection against dust, and is protected against high pressure jets of water from any direction.

Masterseal Plus™ sockets can seal around virtually any standard 13A plug – including moulded plugs – allowing safe connection for any appliance.

An improved catch eases the opening and closing of the lid, whilst ensuring the integrity of the seal. The seal is fixed to the mounting frame of the product, enabling rapid installation, and removing the risk of error when placing a floating gasket.

The Masterseal Plus™ range extends to over 90 product variations as the new enclosures house selected products from the Logic Plus portfolio – thus offering all the benefits of the Logic Plus range within the new Masterseal Plus™ enclosures.

Masterseal Plus™ is perfectly suited to a range of indoor and outdoor applications including factories, laboratories, swimming pools, commercial kitchens, industrial units, warehouses, clean rooms and more.

features and benefits

IP66*

Masterseal Plus™ offers total dust ingress protection, and is protected against high-pressure water jets from any direction.

Robust Construction and Temperature Tolerant

Masterseal Plus™ will not discolour, crack or fade in UV light (unlike many other plastics), and will maintain operation in extremes of heat and cold.

Impact and Environmental Protection

Masterseal Plus™ enclosures are made from recycled polycarbonate, one of the toughest thermoplastics available – incidentally also used in products such as motorcycle helmets. The raw materials are actually waste material collected from other manufacturing plants. This not only diverts material otherwise destined for landfill, but also prevents an equivalent amount of virgin material being produced along with the associated savings in energy, providing a significant reduction in carbon footprints.

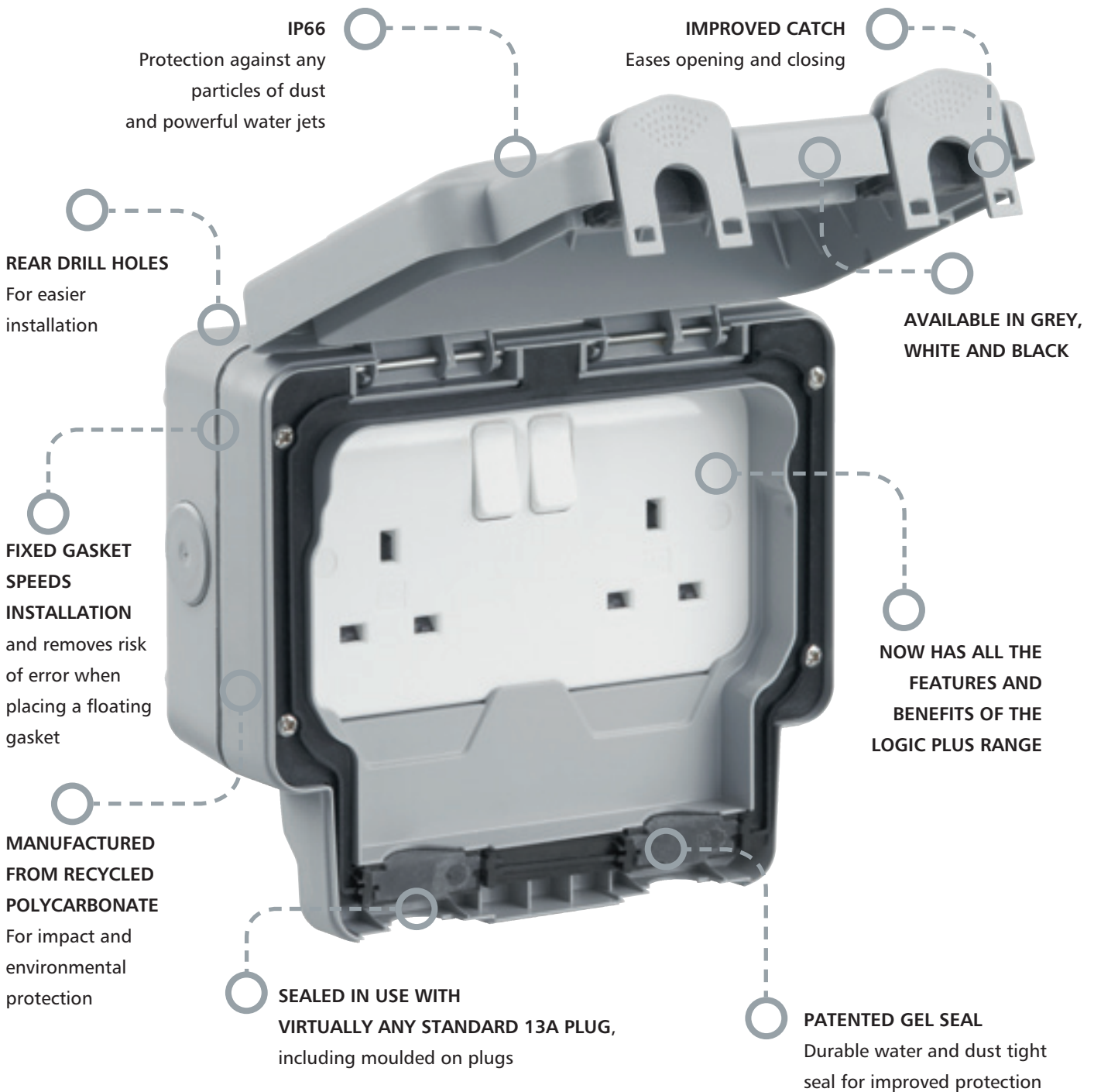
Widest Range

The Masterseal Plus™ range extends to over 90 product variants. The new enclosures house products from the Logic Plus range, all enclosures and switches are available in Grey, White and Black.

20 Year Guarantee

Masterseal Plus™ is guaranteed for an industry-leading 20 years. (10 years for electronic products)

*Grid Plus enclosures are IP56



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Switchsocket Outlets, Timer Socket Outlets, and Key Operated Socket Outlets

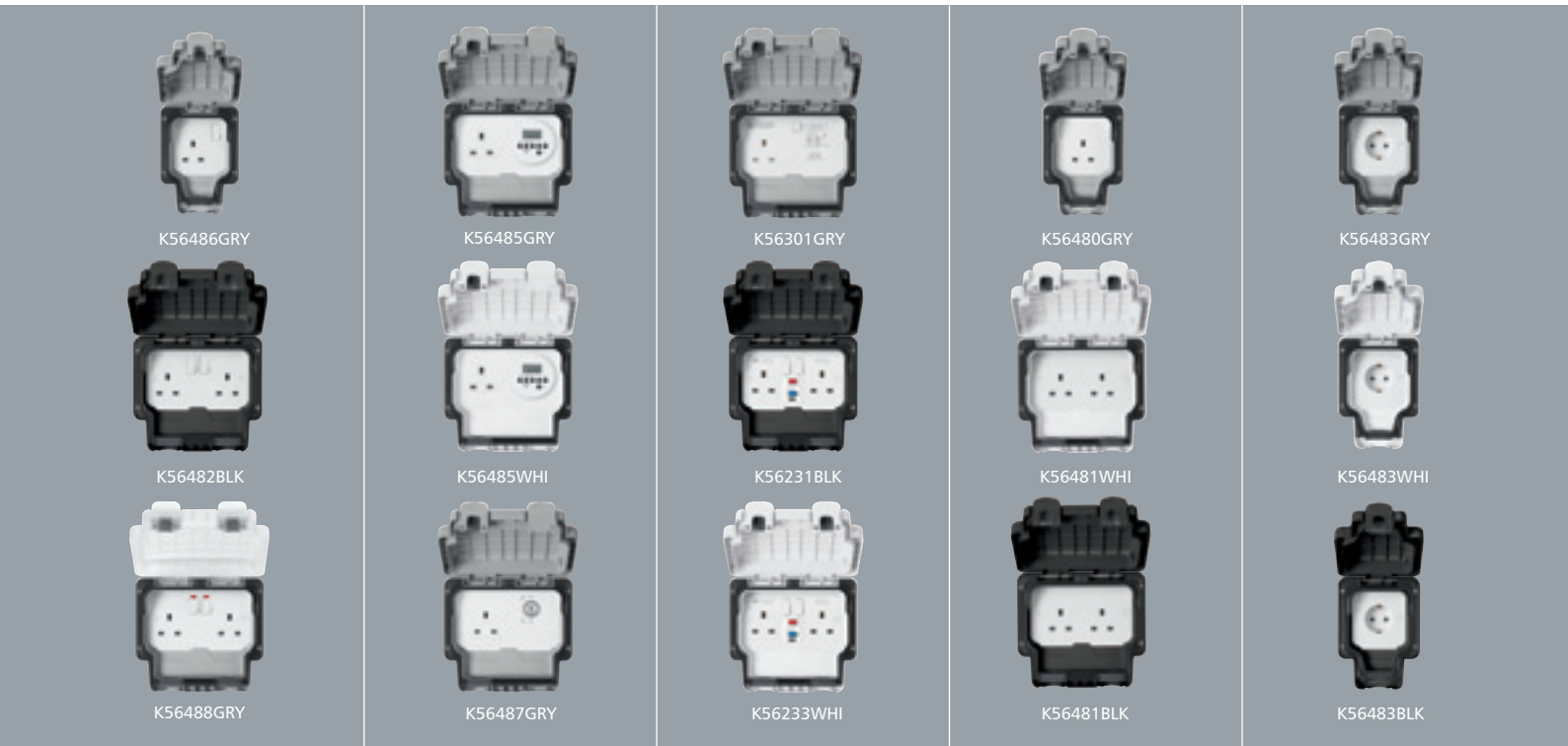
Socket Outlets

13 AMP
IP66

RCD PROTECTED
13 AMP
IP66

13 AMP
IP66

16 AMP
IP66



K56486GRY
K56486WHI
K56486BLK

13A DP
1 GANG
SWITCHED

K56482GRY
K56482WHI
K56482BLK

13A DP
2 GANG
SWITCHED

K56488GRY
K56488WHI
K56488BLK

13A DP SWITCHED
2 GANG
NEON
CLEAR COVER

Fixing holes are for No.8 woodscrews (not supplied).

K56486 has 4 x 20mm entries, 1 on top, bottom and each side and is supplied with an earth terminal in the back box.

2 gang backbox has 5 cable entries, 2 on top and 1 centrally on other 3 sides. Supplied with earth terminals in backbox.

DIMENSIONS:

1 gang: 157 x 110 x 89mm
2 gang: 157 x 175 x 89mm

BS 1363 Pt. 2: 1995

IP66 BS EN 60529: 1992

1
1
1

K56485GRY
K56485WHI
K56485BLK

13A SP
1 GANG
WITH ELECTRONIC TIMER MODULE

K56487GRY
K56487WHI
K56487BLK

13A 1 GANG DP
KEY OPERATED SOCKET

Timer Module meets the requirements of IEC 60730-1 and IEC 60730-2-7 Standards

1
1
1

K56301GRY
K56301WHI
K56301BLK

1 GANG DP
30 mA RATED TRIPPING CURRENT
ACTIVE CONTROL CIRCUIT

K56231GRY
K56231WHI
K56231BLK

2 GANG SP
30 mA RATED TRIPPING CURRENT
ACTIVE CONTROL CIRCUIT

K56233GRY
K56233WHI
K56233BLK

2 GANG SP
30 mA RATED TRIPPING CURRENT
PASSIVE CONTROL CIRCUIT

RCD protected sockets are pulsating d.c. and a.c. fault current sensitive.

Fixing holes are for No.8 woodscrews (not supplied).

Supplied with an earth terminal in the back box. The Sentrysocket has 5 entries. Suitable for supply voltage of 240V a.c. 50Hz

Standard Shutters.

DIMENSIONS: 157 x 175 x 89mm

BS 7288: 1990

IP66 BS EN 60529: 1992

1
1
1

1
1
1

1
1
1

K56480GRY
K56480WHI
K56480BLK

13A 1 GANG
UNSWITCHED

K56481GRY
K56481WHI
K56481BLK

13A 2 GANG
UNSWITCHED

Fixing holes are for No.8 woodscrews (not supplied).

K56480 has 4 x 20mm entries, 1 on top, bottom and each side and is supplied with an earth terminal in the back box.

BS 1363: Pt2: 1995

IP66 BS EN 60529: 1992

K56481 Backbox has 5 cable entries, 2 on top and 1 centrally on other 3 sides. Supplied with earth terminals in backbox.

DIMENSIONS:

1 gang: 157 x 110 x 89mm
2 gang: 157 x 175 x 89mm

BS 1363 Pt.2: 1995

IP66 BS EN 60529: 1992

1
1
1

1
1
1

K56483GRY
K56483WHI
K56483BLK

16A
1 GANG
2P+E
UNSWITCHED
(NON UK)

Fixing holes are for No.8 woodscrews (not supplied).

K56483 is for use with plugs having right angled cable exit.

DIMENSIONS:

157 x 110 x 89mm

IEC60884-1: 2006

IP66 BS EN 60529: 1992

Masterseal enclosures are manufactured from polycarbonate. This provides an extremely high level of impact resistance. However some chemicals and synthetic oils can harm polycarbonate.

Refer to Technical Hotline for assistance
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Key Operated
SwitchesConnection
Units

Switches

Grid Plus
Enclosures20 AMP
IP6613 AMP
IP6610 AMP
IP6610 AMP
IP6620 AMP
IP66

IP56



K56425GRY



K56425WHI



K56425BLK



K56410WHI



K56410BLK



K56410GRY



K56400GRY



K56401WHI



K56402BLK



K56406GRY



K56407BLK



K56408WHI



K56409GRY



K56409WHI



K56409BLK



K56414GRY



K56414WHI



K56414BLK

K56425GRY 1
K56425WHI 1
K56425BLK 1
 20A
 1 GANG
 DP KEY OPERATED SWITCH

K56410GRY 1
K56410WHI 1
K56410BLK 1
 13A DP
 1 GANG
 SWITCHED, FUSED

K56400GRY 1
K56400WHI 1
K56400BLK 1
 10A 1 GANG
 SP ONE-WAY
K56401GRY 1
K56401WHI 1
K56401BLK 1
 10A 1 GANG
 SP TWO-WAY
K56402GRY 1
K56402WHI 1
K56402BLK 1
 10A 2 GANG
 SP ONE-WAY

K56406GRY 1
K56406WHI 1
K56406BLK 1
 10A 1 GANG
 DP ONE-WAY
K56407GRY 1
K56407WHI 1
K56407BLK 1
 10A 1 GANG
 SP TWO-WAY
 PUSH TO MAKE OR
 PUSH TO BREAK
 'BELL'
K56408GRY 1
K56408WHI 1
K56408BLK 1
 10A 1 GANG
 SP TWO-WAY
 PUSH TO MAKE OR
 PUSH TO BREAK
 'PRESS'

K56409GRY 1
K56409WHI 1
K56409BLK 1
 20A 1 GANG
 DP ONE-WAY
 'PRESS'

K56414GRY 1
K56414WHI 1
K56414BLK 1
 MODULAR GRID PLUS
 ENCLOSURE SUPPLIED WITH
 1 AND 2 GANG INSERTS*

Fixing holes are for No.8
 woodscrews (not supplied)

K56425 Backbox has 4 x
 20mm entries, 1 on top,
 bottom and each side and is
 supplied with an earth terminal
 in the back box.

DIMENSIONS:
 160 x 117 x 89mm
 BS EN 60669-1: 1999
 IP66 BS EN 60529: 1992

Fitted with a 13A fuse link to
 BS 1362.

Fixing holes are for No.8
 woodscrews (not supplied)
 Backbox has 4 x 20mm entries,
 1 on each edge, and is supplied
 with an earth terminal in the
 backbox.

DIMENSIONS:
 160 x 117 x 89mm
 BS 1363 Pt.4: 1995
 IP66 BS EN 60529: 1992

Fixing holes are for No.8
 woodscrews (not supplied).

Each switch is fitted with a
 neon which can be wired as
 a locator.

The enclosure has 4 x 20mm
 entries, 1 on top, bottom and
 each side and is supplied with
 an earth terminal and a loop
 terminal in the back box.

These switches (except push
 switches) do NOT have to
 be derated when used with
 fluorescent or inductive loads.

DIMENSIONS:
 95 x 95 x 57mm
 BS EN 60669-1: 1999
 IP66 to BS EN 60529: 1992

Fixing holes are for No.8
 woodscrews (not supplied).

Each switch is fitted with a
 neon which can be wired as
 a locator.

The enclosure has 4 x 20mm
 entries, 1 on top, bottom and
 each side and is supplied with
 an earth terminal and a loop
 terminal in the back box.

These switches (except push
 switches) do NOT have to
 be derated when used with
 fluorescent or inductive loads.

DIMENSIONS:
 95 x 95 x 57mm
 BS EN 60669-1: 1999
 IP66 to BS EN 60529: 1992

* NOTE: Installers may select
 any switch or neon modules,
 excluding dimmers, from Grid
 Plus range and configure
 product to suit installation
 requirements.

Fixing holes are for No.8
 woodscrews (not supplied).
 Backbox has 4 x 20mm entries,
 1 on top, bottom and each
 side. Supplied with an earth
 terminal and a loop terminal in
 the backbox.

DIMENSIONS:
 95 x 95 x 80mm
 BS EN 60669-1: 1999
 IP56 to BS EN 60529: 1992

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Switch Enclosures

Switch Modules

Neon Modules

Data/Telecom Enclosures Euro Format

Euro Data Modules

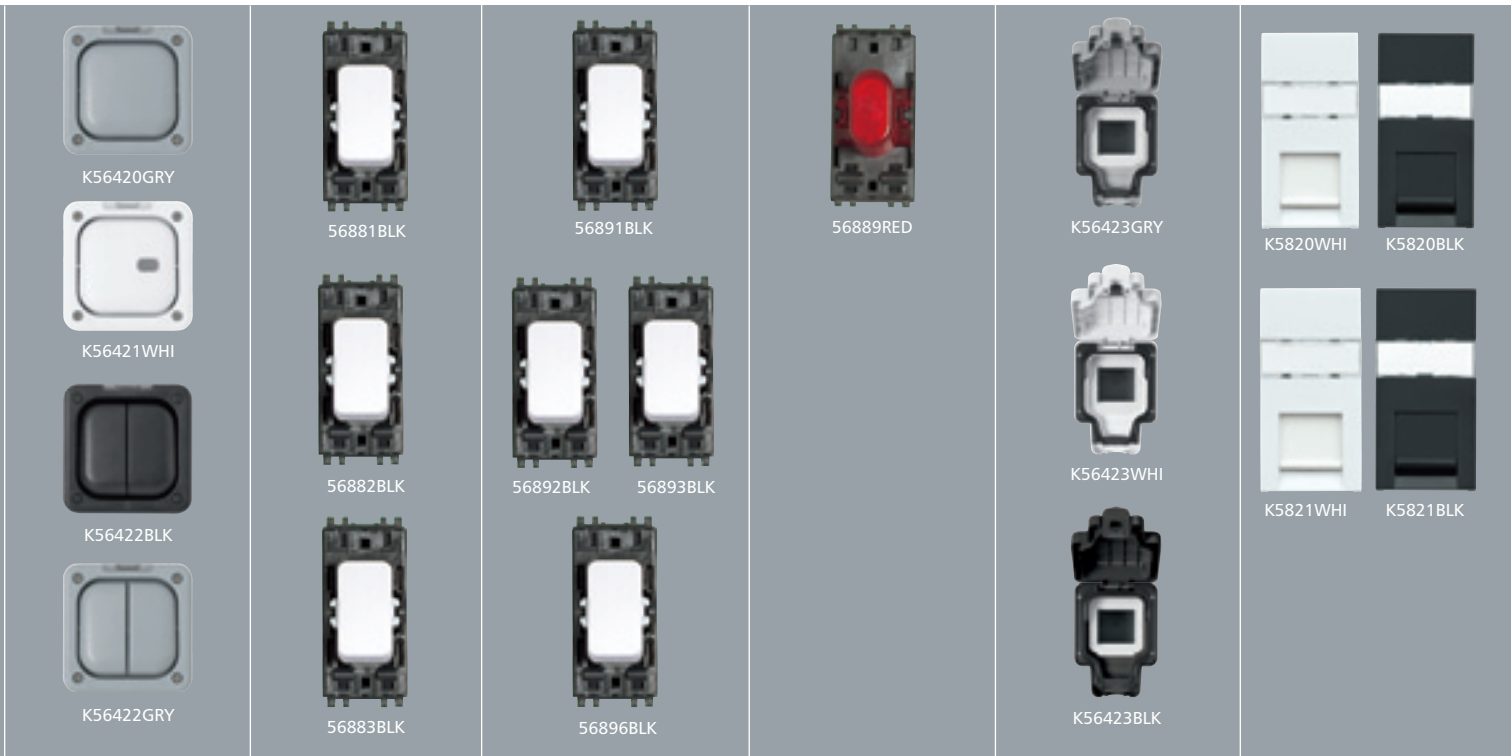
IP66

10 AMP

20 AMP

IP66

TELECOM



- K56420GRY** 1
- K56420WHI** 1
- K56420BLK** 1
- 1 GANG FOR USE WITH ANY ONE SWITCH MODULE
- K56421GRY** 1
- K56421WHI** 1
- K56421BLK** 1
- 1 GANG WITH NEON FOR USE WITH ANY SWITCH AND ANY NEON MODULE
- K56422GRY** 1
- K56422WHI** 1
- K56422BLK** 1

2 GANG FOR USE WITH ANY TWO SWITCH MODULES

Fixing holes are for No.8 woodscrews (not supplied).

Each enclosure is fitted with a neon which should be wired as a locator.

The enclosure has 4 x 20mm entries, 1 on top, bottom and each side and is supplied with an earth terminal and a loop terminal in the back box.

NOTE: These enclosures are for use with the Masterseal Plus™ switch and neon modules.

DIMENSIONS: 95 x 95 x 57mm

IP66 to BS EN 60529: 1992

- 56881BLK** 10
- 10A SP ONE-WAY
- 56882BLK** 10
- 10A SP TWO-WAY
- 56883BLK** 10
- 10A DP ONE-WAY

For use only with Masterseal Plus™ switch enclosures.

These switches do NOT have to be derated when used with fluorescent or inductive loads.

BS EN 60669-1: 1999

- 56891BLK** 10
- 20A SP ONE-WAY
- 56892BLK** 10
- 20A SP TWO-WAY
- 56893BLK** 10
- 20A INTERMEDIATE
- 56896BLK** 10
- 20A DP ONE-WAY

For use only with Masterseal Plus™ switch enclosures.

These switches do NOT have to be derated when used with fluorescent or inductive loads.

BS EN 60669-1: 1999

- 56889RED** 10
- 200-250V NEON RED

BS 5733: 2010

- K56423GRY** 1
- K56423WHI** 1
- K56423BLK** 1
- 1 GANG DATA ENCLOSURE FOR 2 MODULE EURO OUTLET
- HALF MODULE BLANKS SOLD SEPARATELY

2 data modules can be accommodated providing care is used to ensure that the cables are correctly routed through the outlet.

Fixing holes are for No.8 woodscrews (not supplied). Backbox has 4 x 20mm entries, 1 on each edge. Supplied with an earth terminal and a loop terminal in the backbox.

DIMENSIONS: 160 x 117 x 89mm

IP66 to BS EN 60529: 1992

- K5820WHI** 5
- K5820BLK** 5
- TELEPHONE MASTER ONE MODULE
- K5821WHI** 5
- K5821BLK** 5
- TELEPHONE SECONDARY ONE MODULE

DIMENSIONS: 25 x 50mm

BS 6312 Pt.2

See Logic Plus page 54 for a full range of Euro modules

Euro Data
ModulesJunction
BoxesFlush Mounting
FramesFlush Mounting
BezelsConduit
Entries

Accessories

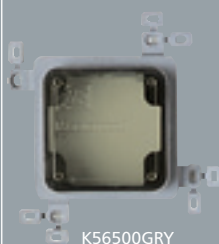
DATA

30 AMP
IP66

K5844WHI



K56506GRY



K56500GRY



K56502GRY



56460WHI

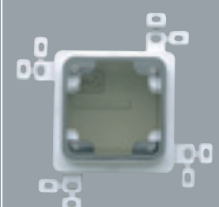


56837BLK



K5887WHI

K5887BLK

K56506WHI
(COVER ON)

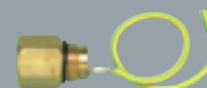
56500WHI



56502WHI



56461WHI



9933

K56506WHI
(COVER OFF)

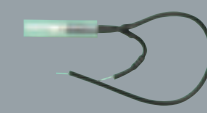
K56501GRY



K56503GRY



56462WHI



56890GRN



56463WHI



56464WHI



K9944

K5844WHI **5**
RJ45 CAT 5e
ANGLED UNSCREENED
ONE MODULE

K5887WHI **5**
K5887BLK **5**
RJ11/12
ONE MODULE

K56506GRY **1**
K56506WHI **1**
K56506BLK **1**
JUNCTION BOX
WITH FOUR
4-WAY TERMINALS

K56500GRY **1**
K56500WHI **1**
1 GANG
PLASTER/TILE
FLUSH MOUNTING FRAME
WITH PROTECTIVE COVER
FOR USE WITH 160 X
117MM PRODUCTS

56500GRY **1**
56500WHI **1**
1 GANG
PLASTER/TILE
FLUSH MOUNTING FRAME
WITH PROTECTIVE COVER
FOR USE WITH 95 X 95MM
PRODUCTS

K56501GRY **1**
K56501WHI **1**
2 GANG
PLASTER/TILE
FLUSH MOUNTING FRAME
WITH PROTECTIVE COVER

The Flush adaptors for plaster and tile can be used with finish depths up to 20mm, by using the spacers provided. Allows flush mounted Masterseal Plus™ products to maintain their IP rating.

Can be used with side entry or back entry enclosures.

DIMENSIONS:
56500: 115 x 115 x 34mm
K56500: 135 x 135 x 34mm
K56501: 135 x 195 x 34mm

K56502GRY **1**
K56502WHI **1**
1 GANG
FLUSH MOUNTING BEZEL
FOR USE WITH 160 X
117MM PRODUCTS

56502GRY **1**
56502WHI **1**
1 GANG
FLUSH MOUNTING BEZEL
FOR USE WITH 95 X 95MM
PRODUCTS

K56503GRY **1**
K56503WHI **1**
2 GANG
FLUSH MOUNTING BEZEL

The Flush adaptors for brick and cavity walls should be used on vertical surfaces where no additional finishing, such as plastering is required.

Allows flush mounted Masterseal Plus™ products to maintain their IP rating.

Can only be used with back entry enclosures.

Supplied with 4 self tapping screws to fix enclosure to mounting bezel.

Clip-on surround hides mounting screws.

DIMENSIONS:
56502: 145 x 145 x 41mm
K56502: 165 x 165 x 41mm
K56503: 165 x 245 x 41mm

56460GRY **5**
56460WHI **5**
ENTRY BLANK

56461BLK **5**
56461WHI **5**
PVC CABLE ENTRY
TO PROVIDE DIRECT
ENTRY OF POWER CABLE
TO THE UNIT VIA THE
BOTTOM BOX ENTRY

56462BLK **5**
56462WHI **5**
20MM PLAIN CONDUIT
ENTRY PUSH FIT ADAPTOR
BETWEEN BACK BOX AND
20MM PLAIN CONDUIT

56463BLK **5**
56463WHI **5**
20MM THREADED
CONDUIT ENTRY PUSH FIT
ADAPTOR BETWEEN
BACK BOX AND 20MM
THREADED CONDUIT

56464GRY **5**
56464WHI **5**
BOX COUPLER
FOR GANGING ONE
MASTERSEAL OR
MASTERSEAL PLUS™
BOX NEXT TO ANOTHER

56837BLK **5**
REPLACEMENT GEL SEAL
FOR SOCKETS

9933 **1**
M20 EARTH LEAD
ADAPTOR FOR EARTHING
METAL CONDUIT

56890GRN **5**
REPLACEMENT
NEON LOCATOR

K9944 **5**
FLANGE FOR
PANEL MOUNTING
1 GANG 95 X 95MM
MODULES

See Logic Plus pages 54
for a full range of Euro
modules

K5844
Enhanced Cat 5e performance.
Suitable for both 568A and
568B wiring schemes.

ISO/IEC 11801
EN 50173
TIA 568
EN 41003

K5887
Suitable for both RJ11 and
RJ12 jacks
RJ11: 4 wire
RJ12: 6 wire

FCC68
EN 41003
DIMENSIONS:
25 x 50mm

Fixing holes are for No. 8
woodscrews (not supplied).
The enclosure has 4 entries, 1
on top, bottom and both sides.

TERMINAL CAPACITY:
Each terminal block accepts four
2.5mm² cables.

DIMENSIONS:
95 x 95 x 65mm

BS 6220: 1983
IP66 to BS EN 60529

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Echo™ is an innovative range of entirely wireless, batteryless and self-powered switches, only available from MK Electric.

1 and 2 Channel Transmitter For Echo™

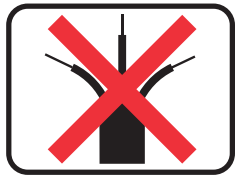
Enclosure For Small Load Receiver For Echo™

Switch Receivers For Echo™

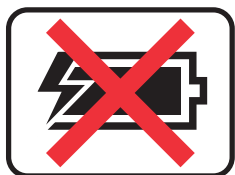
Accessories For Echo™

IP66

IP66



WIRELESS



BATTERYLESS



SELF-POWERED



K55400GRY



K55000GRY



K55406WHI



K55406BLK



K5418R



K5420R



K5417R



K5419R

Wireless

No wires offers the benefits of almost instant switch installation and total location flexibility, resulting in reduced costs and disruption as well as improved speed and ease of installation – invaluable for areas needing to rearrange space periodically, e.g. commercial offices, or those where the channelling of walls isn't permissible or feasible, such as historic buildings or glass partition walls.

Batteryless

No batteries means low maintenance and low running costs. No need to buy, fit, replace or dispose of batteries, eliminating nuisance and waste for a more sustainable option.

Self-powered

The new Echo™ range works by harvesting tiny amounts of ambient energy which power a switch (Transmitter) to send an RF signal to the Switch Receiver which is connected to the lighting circuit – operating lighting at ranges of up to 30 metres within typical buildings.

For the complete Echo™ range, please refer to page 31.

K55400GRY
K55400WHI
K55400BLK

1 CHANNEL TRANSMITTER FOR ECHO™

1
1
1

K55406GRY
K55406WHI
K55406BLK

2 CHANNEL TRANSMITTER FOR ECHO™

1
1
1

K55000GRY
K55000WHI
K55000BLK

ENCLOSURE FOR USE WITH K5418R

1
1
1

K5418R

SMALL LOAD SWITCH RECEIVER 400 WATT

1

K5420R

10AX SWITCH RECEIVER/REPEATER

1

K5417R

REMOTE CONTROL

1

K5419R

FIELD STRENGTH INDICATOR

1

KPAD

ADHESIVE PAD (ASPECT AND LOGIC PLUS)

1

No wires

- Instant switch installation
- Location/relocation flexibility
- Simplifies office 'churn' – less disruption

No batteries

- Low maintenance
- Low running costs
- Less waste, a more sustainable option
- No nuisance factor

Flexibility

- No wires, no constraints
- Suitable for all wall types, including where channelling isn't feasible
- Ideal for commercial, residential and historic buildings

Quality reliability and safety come as standard

- 10 year guarantee