

EDISON[®]

ELECTRICAL PRODUCTS



ELITE SERIES

Screwless Cover Plates

Innovation is our culture...



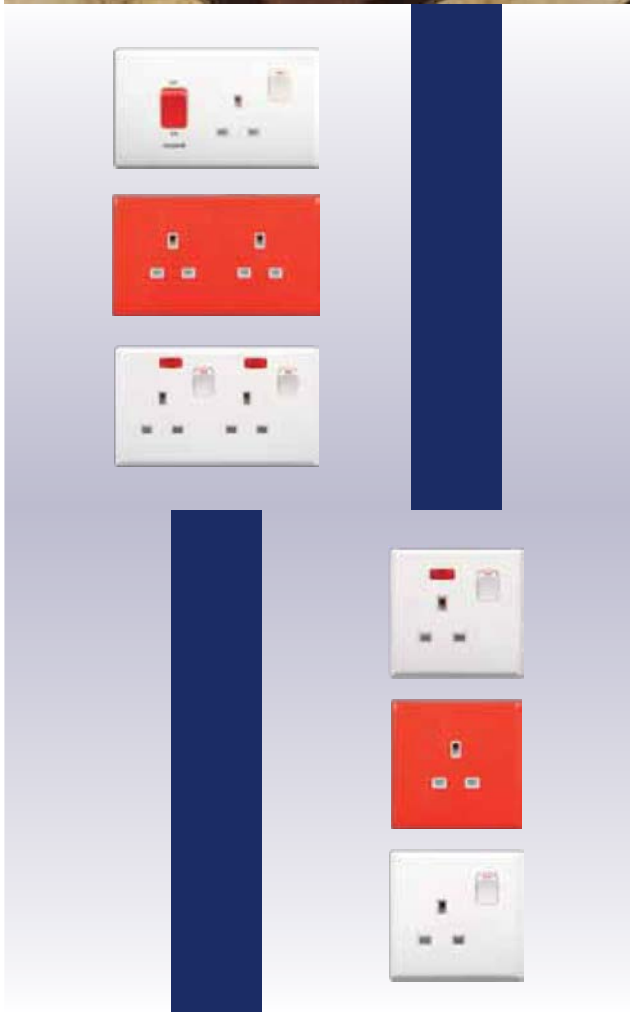
Interplast Company Limited.

Quality and Test Certificate



Contents

ELITE SERIES Screw less switches & sockets



Introduction	3
Overview	4 - 6
Single Pole Switches	7 - 10
Double Pole Switches	11 - 12
Dimmer Switches	13 - 14
Socket Outlets - British Standard	15 - 16
Other Socket Outlets	17 - 18
Communication & Data Accessories	19 - 20
Fused Connection Units (Spur units)	21 - 22
Mounting Boxes	23 - 24
Technical Overview	25 - 26

Introduction



Intuition



INTERPLAST is a member of manufacturing conglomerate of Group Harwal with fully integrated manufacturing facilities spread across UAE, KSA and Russia. Over 30 years of expertise in engineering and manufacturing technologies is indispensable while offering innovative products under the brand names such as DECODUCT®: Conduits, Trunking and Accessories, EDISON®: Wiring Devices and Accessories, DECOVOLT®: Lighting Fixtures and LV Components, INTERGARD®: Cable Tiles and Warning Tapes. Interplast Electrical Products with its diverse product basket offers 'One-Stop-Solution' for low voltage power, communication and data distribution requirements of the ever growing construction industry.

INTERPLAST established a vertically integrated electrical accessories manufacturing facility (ISO9000-2008) in the year 1997 in UAE. This state-of-art facility includes in-house product design-ing, 3D modelling, tool designing & manufacturing, production of plastic and metal components, assembly, testing and packing. Such integrated manufacturing capabilities enable to have complete control on the quality of wiring accessories manufactured under the brand name EDISON®. This facility is continuously being expanded to reach manufacturing capacity of over 2 million units per month in the year 2012. We also established a dedicated manufacturing facility in Saudi Arabia to meet continuously growing demand for EDISON® wiring devices in that market. Today, we are proud to be the only fully integrated wiring device manufacturer in the Middle East offering EDISON® Switches & Sockets under series such as the Durafinish, Royale, Designer, Euro etc.

Innovation



Agility



To meet the ever growing demand for more options & choices of wiring devices, we are launching a new series of EDISON® switches & sockets under the name 'ELITE' with screw-less cover plates. ELITE series continues to offer eye catching small & large rocker switches and a complete range of sockets & communication accessories with easy-to-clip-on screw-less cover plates giving a smooth, glossy and attractive look while ensuring safety. All products conform to the harmonised European Standards (BSEN) with ASTA Diamond Mark of quality and are CE marked to meet European safety regulations. These accessories have a heavy duty design for a long & reliable service life.

Innovation is our culture.... and we thrive to meet customers' needs with efficient sales & service support through our own sales offices and warehousing facilities in UAE, KSA, UK, Cyprus, Russia and a wide spread stockists network in more than 40 countries around the globe.

Overview

ELITE SERIES

Screw less switches & sockets



Quality

EDISON electrical accessories are designed and manufactured under a strict ISO 9001 certified quality management system, and are in conformity with the relevant British Standards. EDISON switches also conform to the new harmonised European standard BSEN 60669-1 and are CE marked to indicate compliance to European safety regulations.

Design

EDISON Electrical accessories have an innovative design with a stylish curved shape, hidden mounting screws and a high gloss, easy to clean surface finish. Technically EDISON accessories have a modular design for flexibility and many unique features, including oval mounting holes for straight positioning during mounting.



Integrated manufacturing

EDISON electrical accessories are manufactured in a vertically integrated facility which includes product designing, tool designing & manufacturing, production of plastic & metal components, assembly, testing and packing. Such integrated production capabilities enable Interplast to have complete control on quality and to develop new products quickly.

Features and Advantages

Suitable for any residential and commercial applications using low voltage installation.

Cover plates are unbreakable, flame retardant and UV stabilized.

Switch contacts are in copper with inlayed silver to provide high conductivity.

Fully conform to harmonize BSEN 60669-1 with Diamond quality mark from ASTA UK & CE marked.

Suitable to use for wiring solution with DEDOCUCT Cable Management System.

Back boxes available in both plastic & metal with depth up to 47mm and with adjustable lugs.

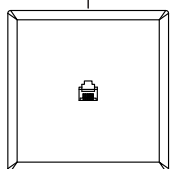
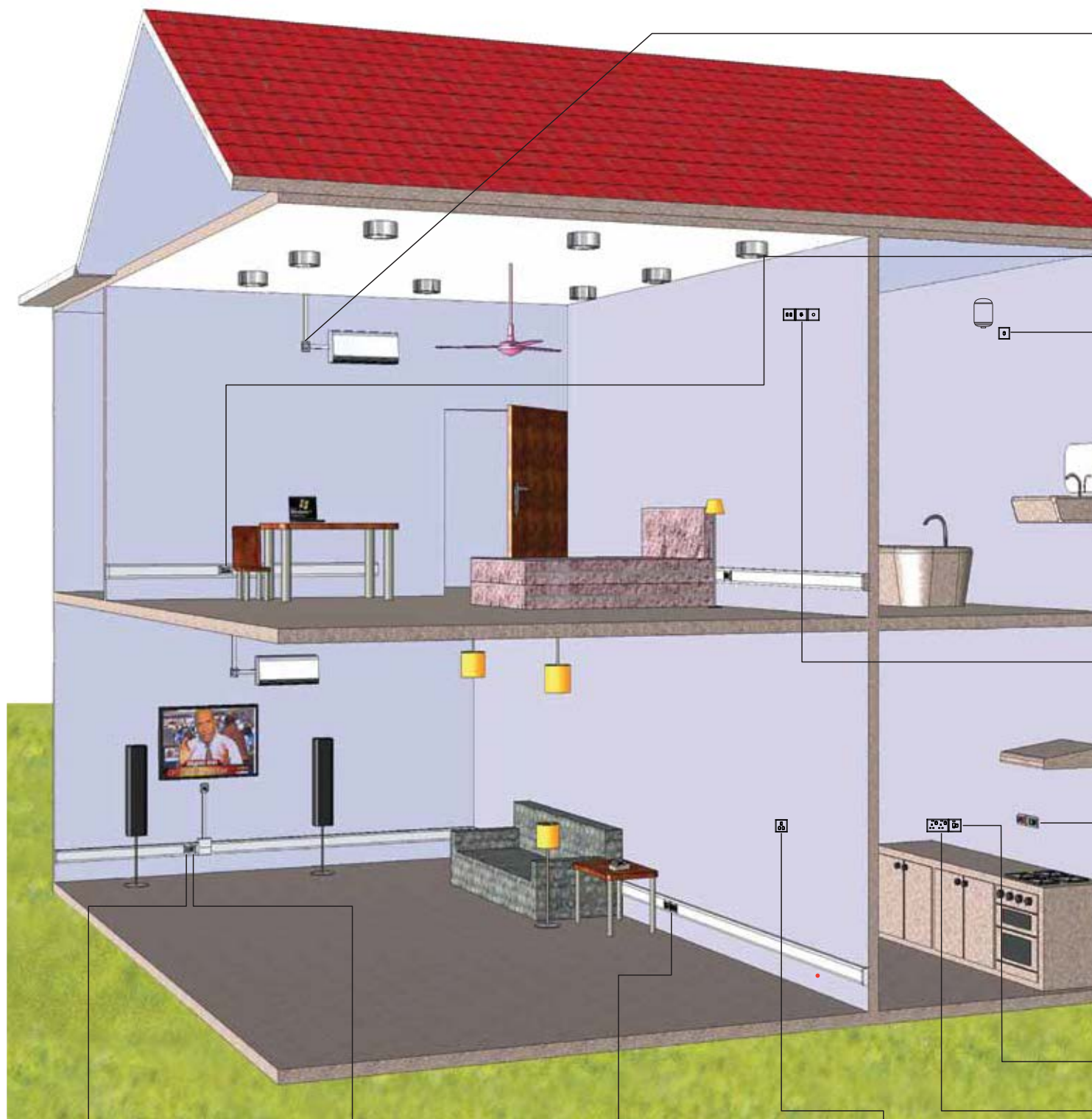
Easy-to-clip-on cover plates offers screw-less design with attractive looks.

Fully shrouded internal mechanism preventing spark and failure.

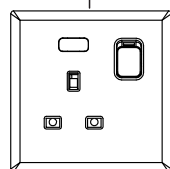
Access to live parts is restricted even after removal of cover plates offering higher safety.

All products are engraved to identify rating as well as applications.

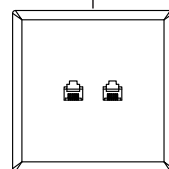
Typical Application



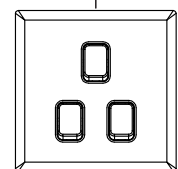
EDF410EL



EDE130EL



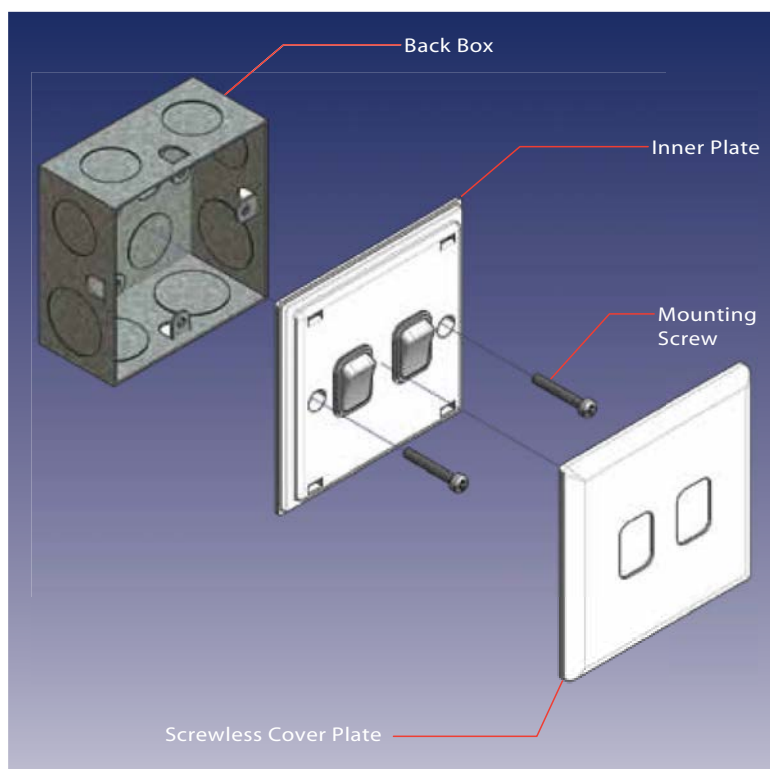
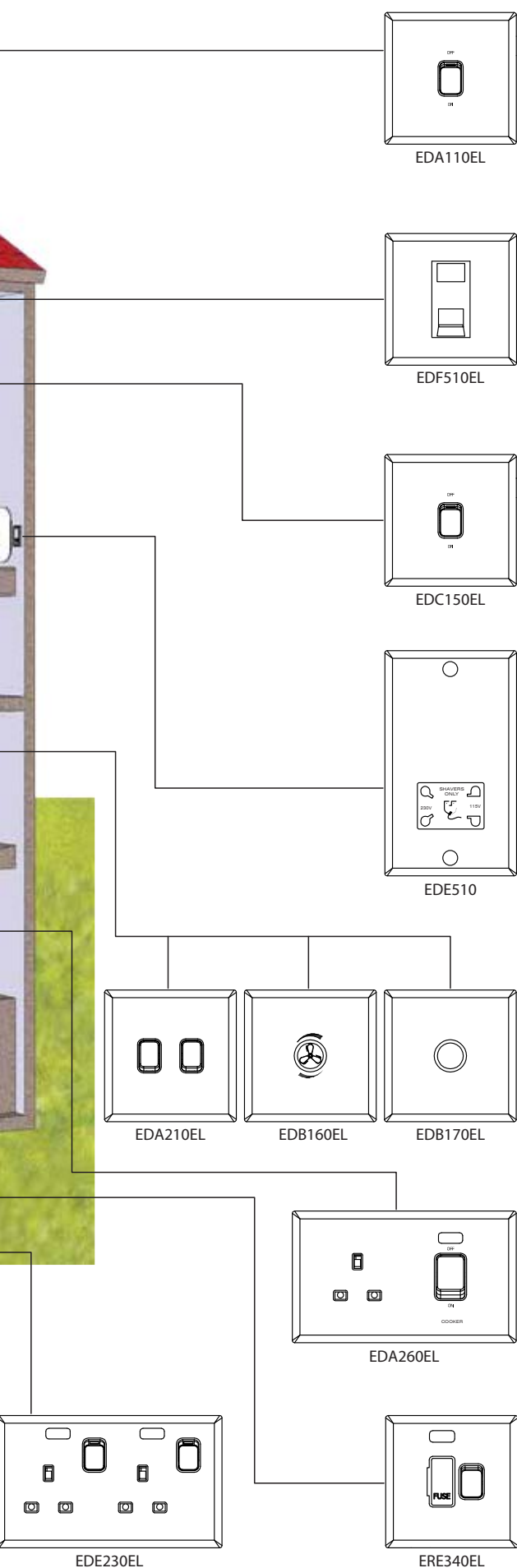
EDF420EL



EDA310EL

ELITE SERIES

Screw less switches & sockets







TWENTY FIVE YEAR *Guarantee*

**interplast co ltd guarantees the performance of its
EDISON range of electrical accessories for a
period of 25 years from the date of installation
according to the terms below:**

Interplast Co. Ltd. undertakes to replace or repair free of charge, any
EDISON electrical accessory (excluding accessories containing electronics)
which within 20 years of installation develops a defect as a result of faulty
design, materials or workmanship of the company

This guarantee is valid, provided the accessories involved have
been properly installed indoors by a qualified electrician in
accordance with the relevant wiring regulations and have not been
tampered with or subjected to abnormal or improper use.

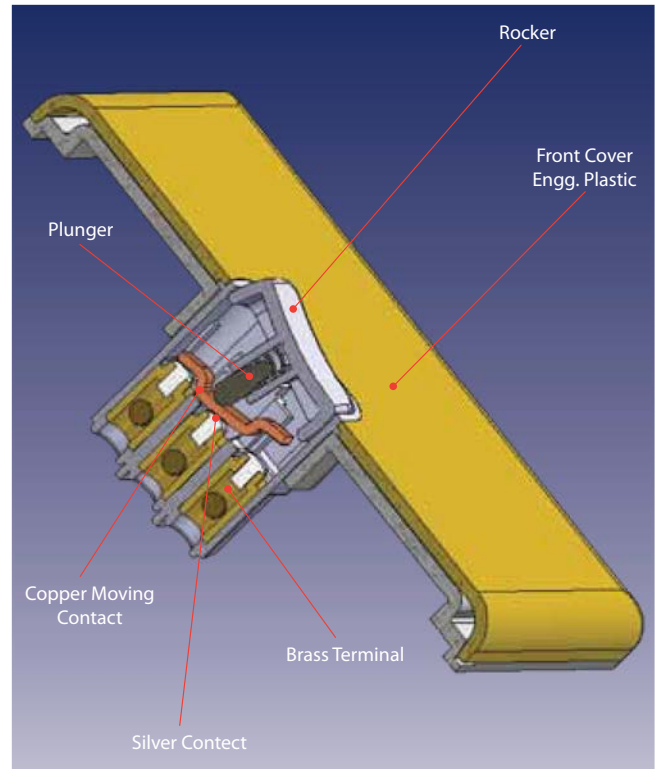
This guarantee covers the company's limited liability, which does
not extend to cover any consequential injury, loss or damage

Single Pole Switches: Small Rockers

ELITE single pole switches can be used in any residential or commercial low voltage installation to operate lighting, Fans, Socket outlets and general operation up to 10AX rating.

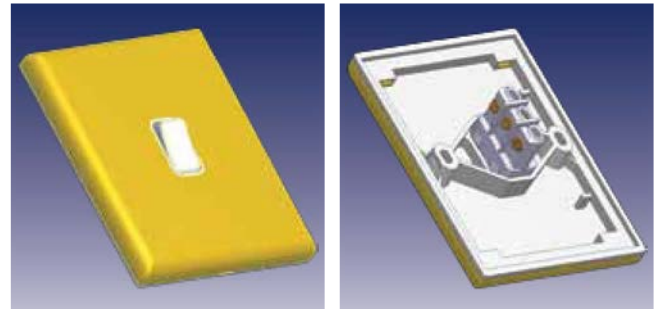
Single pole switches are generally vulnerable when the contacts are opening & closing. This is because during switching operation the resistance of contact changes from nearly infinite to zero or from nearly zero to infinite. At infinite resistance no current flows so power is not dissipated. At zero resistance, there is no voltage drop and power is dissipated.

ELITE single pole switches are designed to overcome such vulnerability by having switching operation as swift as possible. This is achieved by the rocker mechanism storing potential energy in a form of stress in the spring. When appropriate energy is stored, switching mechanism 'breaks over' driving the contacts in transition from open to close or close to open without needing additional force by the switch operator. Such quick breaking action is essential for a long life of the switch contacts.

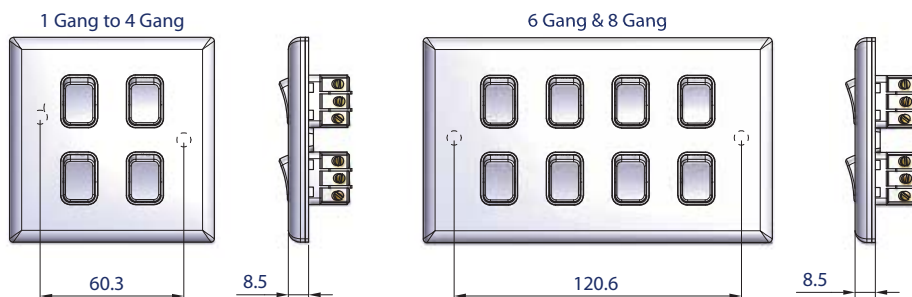


Installation & Safety Instruction

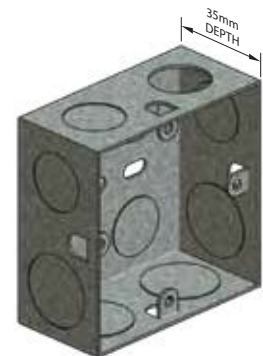
WARNING: Switch off and isolate main power supply before carrying out installation of the switch. These products must be installed by a competent person e.g. a qualified electrician in accordance with the following wiring diagram and conforming to the latest edition of the IEE wiring regulations applicable in each country.



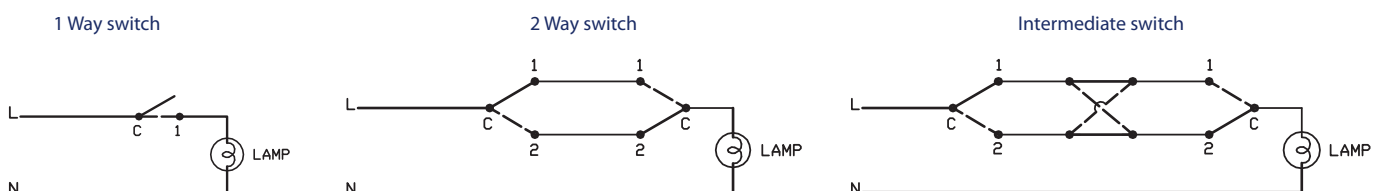
Mounting details



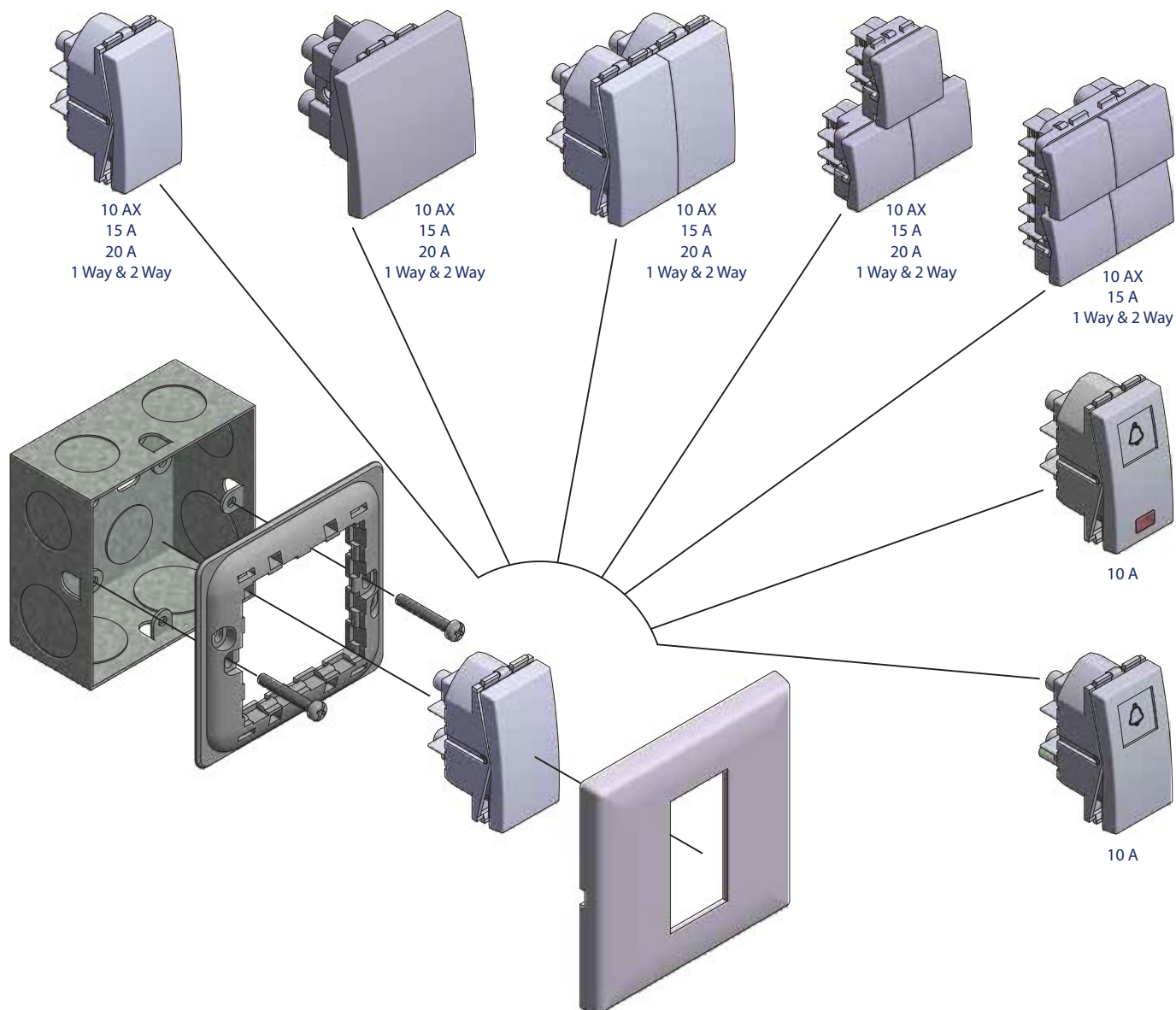
Mounting box depth



Wiring diagrams

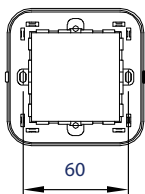


Single Pole Switches: Large Rockers

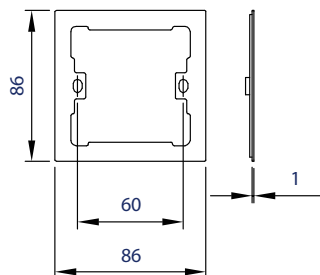


Mounting details

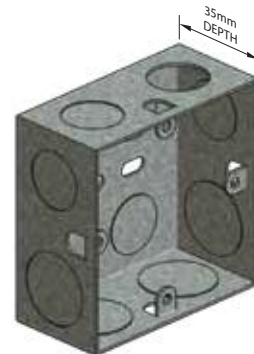
1/2 Module



Support frames for surface mounting

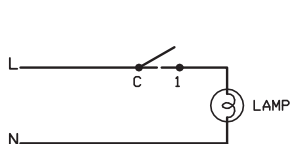


Mounting box depth

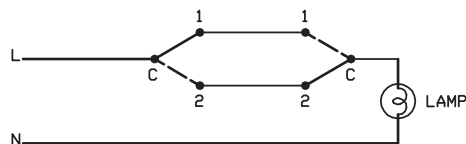


Wiring diagrams

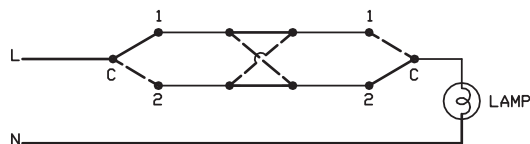
1 Way switch



2 Way switch



Intermediate switch



Specifications & Features

ELITE SERIES

Screw less switches & sockets



Specifications

Conforms to	: BSEN 60669-1
Rated Current	: 10AX fluorescent : 15A Resistive
Rated Voltage	: 250 V ac, 50/60 Hz
Terminal capacity	: 4 x 1.5 sq.mm
Plate Size	: 86 x 86 x 8.5 and 146.6 x 86 x 8.5 mm
Mounting Centre	: 60.3 mm and 120.6 mm

Applications :  

Approvals & Marking :    

Features

- Cover plates are made from unbreakable, flame retardant and UV stabilized plastic material.
- Switch contacts are in copper with inlayed silver to provide high conductivity.
- Terminals suitable for higher current rating.
- No de-rating of current when connected to fluorescent load.
- High tension steel springs for consistent contact pressure.
- Switches suitable to use both in one & two way wiring.
- No visible screws on the cover plates offering higher safety.
- Up to 8 gang switches can be accommodated on a conventional rectangular plate.
- Suitable for both flush and surface mounted back boxes.
- Can be mounted on DECODUCT Cable Management Trunking System.


















: RAL 9003



: Fire Retardant Engineering Plastic



: 850 °C

Part No.	Description Small Rocker Switches	Sketch	Size (mm)	No. of pieces per Box	No. of pieces per Carton
EDA110EL	1 Gang 10 AX 1 Way Switch - S P		86 x 86 x 8.5	10	100
EDA120EL	1 Gang 10 AX 2 Way Switch - S P		86 x 86 x 8.5	10	100
EDA130EL	1 Gang 20 A Intermediate Switch		86 x 86 x 8.5	10	100
EDA140EL	1 Gang 10 A Press Switch - S P		86 x 86 x 8.5	10	100
EDA150EL	1 Gang 10 A Bell Switch - S P		86 x 86 x 8.5	10	100
EDA210EL	2 Gang 10 AX 1 Way Switch - S P		86 x 86 x 8.5	10	100
EDA220EL	2 Gang 10 AX 2 Way Switch - S P		86 x 86 x 8.5	10	100
EDA310EL	3 Gang 10 AX 1 Way Switch - S P		86 x 86 x 8.5	10	100
EDA320EL	3 Gang 10 AX 2 Way Switch - S P		86 x 86 x 8.5	10	100
EDA410EL	4 Gang 10 AX 1 Way Switch - S P		86 x 86 x 8.5	10	100
EDA420EL	4 Gang 10 AX 2 Way Switch - S P		86 x 86 x 8.5	10	100
EDA610EL	6 Gang 10 AX 1 Way Switch - S P		146.6 x 86 x 8.5	5	50
EDA620EL	6 Gang 10 AX 2 Way Switch - S P		146.6 x 86 x 8.5	5	50
EDA810EL	8 Gang 10 AX 1 Way Switch - S P		146.6 x 86 x 8.5	5	50
EDA820EL	8 Gang 10 AX 2 Way Switch - S P		146.6 x 86 x 8.5	5	50

Large Rocker

ELITE SERIES

Screw less switches & sockets



: RAL 9003



: Fire Retardant Engineering Plastic



: 850 °C

Part No.	Description Large Locker Switches	Sketch	Size (mm)	No. of pieces per Box	No. of pieces per Carton
EDA10ARC1EL	1 G 1 WAY 10AX SWITCH - RECT.		86 x 86 x 9	10	100
EDA10ARC2EL	1 G 2 WAY 10AX SWITCH - RECT.		86 x 86 x 9	10	100
EDA15ARC1EL	1 G 1 WAY 15A SWITCH - RECT.		86 x 86 x 9	10	100
EDA15ARC2EL	1 G 2 WAY 15A SWITCH - RECT.		86 x 86 x 9	10	100
EDA20ARC1EL	1 G 1 WAY 20A SWITCH - RECT.		86 x 86 x 9	10	100
EDA20ARC2EL	1 G 2 WAY 20A SWITCH - RECT.		86 x 86 x 9	10	100
EDA10ASQ1EL	1 G 1 WAY 10AX SWITCH - SQ.		86 x 86 x 9	10	100
EDA10ASQ2EL	1 G 2 WAY 10AX SWITCH - SQ.		86 x 86 x 9	10	100
EDA15ASQ1EL	1 G 1 WAY 15A SWITCH - SQ.		86 x 86 x 9	10	100
EDA15ASQ2EL	1 G 2 WAY 15A SWITCH - SQ.		86 x 86 x 9	10	100
EDA20ASQ1EL	1 G 1 WAY 20A SWITCH - SQ.		86 x 86 x 9	10	100
EDA20ASQ2EL	1 G 2 WAY 20A SWITCH - SQ.		86 x 86 x 9	10	100
EDA10ABELEL	1 G 10A BELL PUSH SWITCH - RECT.		86 x 86 x 9	10	100
EDA10ABELNEL	1 G 10A BELL PUSH SWITCH NEON - RECT.		86 x 86 x 9	10	100
EDA10A2G1EL	2 G 1 WAY 10AX SWITCH - RECT.		86 x 86 x 9	10	100
EDA10A2G2EL	2 G 2 WAY 10AX SWITCH - RECT.		86 x 86 x 9	10	100
EDA15A2G1EL	2 G 1 WAY 15A SWITCH - RECT.		86 x 86 x 9	10	100
EDA15A2G2EL	2 G 2 WAY 15A SWITCH - RECT.		86 x 86 x 9	10	100
EDA20A2G1EL	2 G 1 WAY 20A SWITCH - RECT.		86 x 86 x 9	10	100
EDA20A2G2EL	2 G 2 WAY 20A SWITCH - RECT.		86 x 86 x 9	10	100
EDA10A3G1EL	3 G 1 WAY 10AX SWITCH		86 x 86 x 9	10	100
EDA10A3G2EL	3 G 2 WAY 10AX SWITCH		86 x 86 x 9	10	100
EDA15A3G1EL	3 G 1 WAY 15A SWITCH		86 x 86 x 9	10	100
EDA15A3G2EL	3 G 2 WAY 15A SWITCH		86 x 86 x 9	10	100
EDA10A4G1EL	4 G 1 WAY 10AX SWITCH		86 x 86 x 9	10	100
EDA10A4G2EL	4 G 2 WAY 10AX SWITCH		86 x 86 x 9	10	100
EDA15A4G1EL	4 G 1 WAY 15A SWITCH		86 x 86 x 9	10	100
EDA15A4G2EL	4 G 2 WAY 15A SWITCH		86 x 86 x 9	10	100

Double Pole Switches

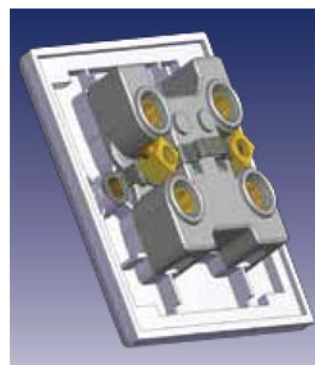
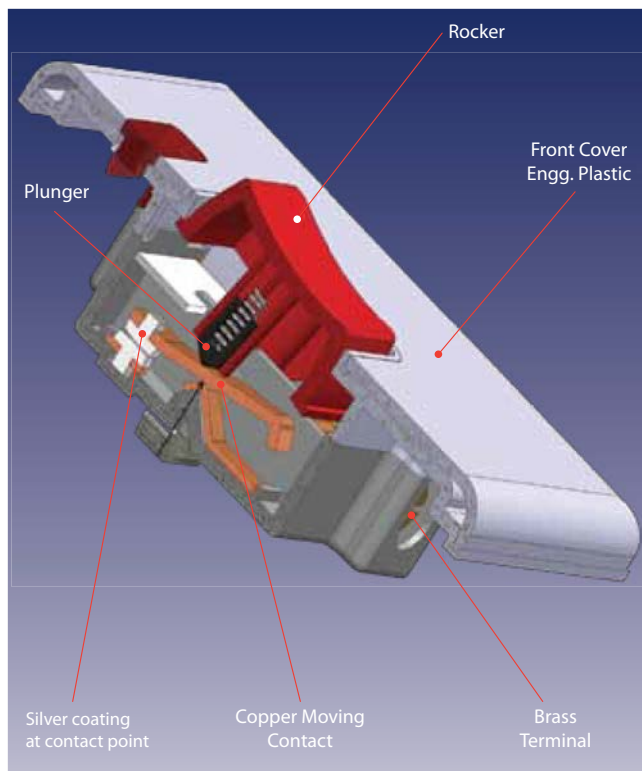
ELITE double pole switches have similar construction like single pole switches except there are two sets of contacts which make or break the path of two electrical circuits simultaneously. These switches are available in 20amp, 32amp and 45amp rating with printed marking such as AIR CONDITIONER, WATER HEATER etc. for desired applications.

Usage of double pole switches

Appliance	Switch Range			
	20A DP with or without neon	32A DP with or without neon	45A DP with or without neon	Flex outlet
Air Conditioning	√	√	√	√
Water Heater	√	√	√	√
Washing Machine	√			
Cooker	√	√	√	√
Dishwasher	√	√	√	
Freezer	√			
Fridge	√			
Oven	√			√
Tumble Dryer	√			

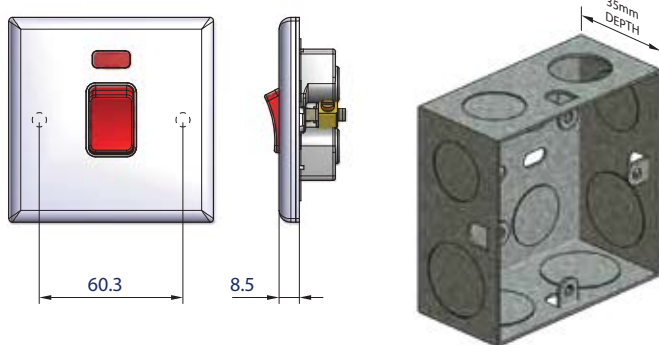
Installation & safety instruction

WARNING: Switch off and isolate main power supply before carrying out installation of the switch. These products must be installed by a competent person e.g. a qualified electrician in accordance with the following wiring diagram and conforming to the latest edition of the IEE wiring regulations applicable in each country.



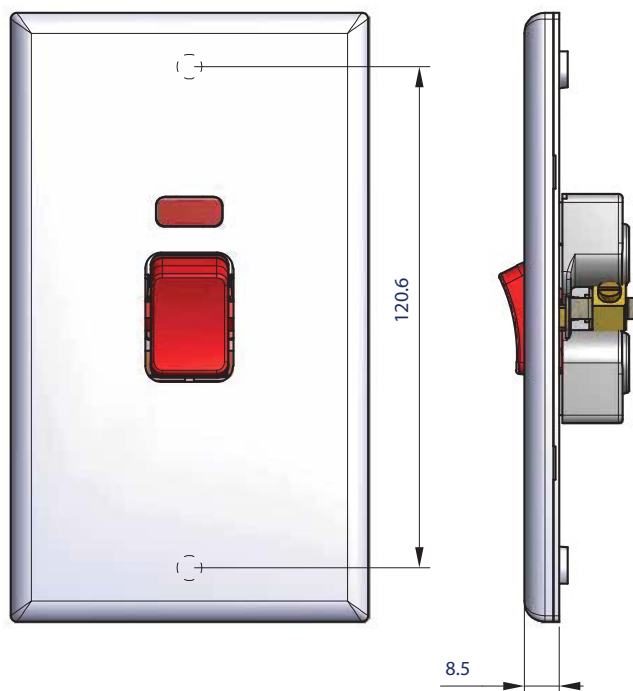
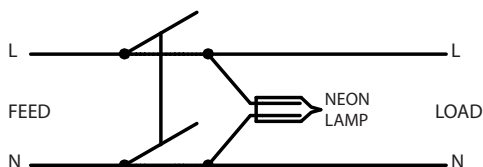
Mounting details

Mounting box depth



Wiring diagrams

Double pole switches



Specifications & Features

ELITE SERIES

Screw less switches & sockets



Specifications




Conforms to	: BS EN 60669-1
Current Rating	: 20A, 32A, and 45A
Voltage	: 250V ac 50/60 Hz
Terminal Capacity	: 20A 3 x 2.5 mm ² or 2 x 4.0 mm ² : 32A 5 x 2.5 mm ² or 3 x 4.0 mm ² : 45A 3 x 6.0 mm ² or 1 x 10.0 mm ²
Plate Size	: 86 x 86 x 8.5 mm
Mounting center	: 60.3 mm

Application :  

Approvals & Marking :     

Features

- Switches are available with NEON or without NEON indicators.
- Clearly printed marking for the desired application e.g. Air Conditioning, Water Heater Cooker.
- Cover plates are made from unbreakable, flame retardant and UV stabilized plastic material.
- Switch contacts are in copper with inlayed silver to provide high conductivity.
- Terminals suitable for higher current rating.
- Heavy duty design to control higher current rating up to 45A.
- High tension steel springs for consistent contact pressure.
- No visible screws on the cover plates offering higher safety.
- Suitable for both flush and surface mounted back boxes.
- Can be mounted on DECODUCT Cable Management Trunking System.

Part No.	Description	Sketch	Size (mm)	No. of pieces per Box	No. of pieces per Carton
EDC110EL	1 Gang 20 A DP Switch		86 x 86 x 8.5	10	100
EDC120EL	1 Gang 20 A DP Switch with Neon		86 x 86 x 8.5	10	100
EDC140EL	1 Gang 20 A DP Switch with Neon (Air Conditioner)		86 x 86 x 8.5	10	100
EDC150EL	1 Gang 20 A DP Switch with Neon (Water Heater)		86 x 86 x 8.5	10	100
EDC190EL	1 Gang 20 A Flex Outlet		86 x 86 x 8.5	10	100
EDC310EL	1 Gang 32 A DP Switch		86 x 86 x 8.5	10	100
EDC320EL	1 Gang 32 A DP Switch with Neon		86 x 86 x 8.5	10	100
EDC340EL	1 Gang 32 A DP Switch with Neon (Air Conditioner)		86 x 86 x 8.5	10	100
EDC350EL	1 Gang 32 A DP Switch with Neon (Water Heater)		86 x 86 x 8.5	10	100
EDC390EL	1 Gang 32 A Flex Outlet		86 x 86 x 8.5	10	100
EDD110EL	1 Gang 45 A DP Switch		86 x 86 x 8.5	10	100
EDD120EL	1 Gang 45 A DP Switch with Neon		86 x 86 x 8.5	10	100
EDD130EL	1 Gang 45 A DP Switch with Neon (Cooker)		86 x 86 x 8.5	10	100
EDD140EL	1 Gang 45 A DP Switch with Neon (Air Conditioner)		86 x 86 x 8.5	10	100
EDD150EL	1 Gang 45 A DP Switch with Neon (Water Heater)		86 x 86 x 8.5	10	100
EDD190EL	1 Gang 45 A Flex Outlet		86 x 86 x 8.5	10	100
EDD220EL	45 A DP Switch with Neon (Rectangular)		146.6 x 86 x 8.5	5	50

Dimmer Switches

ELITE Dimmer switches are used to control the brightness of illumination or current feed to devices by decreasing or increasing the RMS feed resulting in varying the mean power of the lamps or devices. These dimmers are suitable for incandescent lamps operating at 230 to 250 V. They are also available in both one way and two way wiring options. The on/off function is operated by either pushing in or rotating the dimmer knob depending up on the wiring option. A dedicated fan speed regulator (rated 500W) switch is available with a fan logo printed on the operating knob.

General information

It is advisable to note the following details before using **ELITE** dimmer switches:

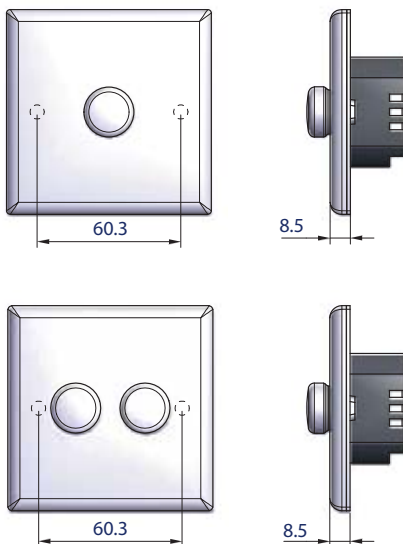
- These dimmers are suitable for incandescent & CFL lamps.
- For two way connection circuit, use two way push dimmers.
- Ensure that the total connected load do not exceed the specified rating of the dimmer.
- Do not connect more than one dimmer in each circuit.
- Do not connect dimmers on the same circuit using electronic or magnetic transformers.
- The dimmer ratings mentioned on the next page are for operating voltage of 240/250V AC. For lower voltage circuits these dimmer ratings shall be down rated proportionately.

Installation & safety instruction

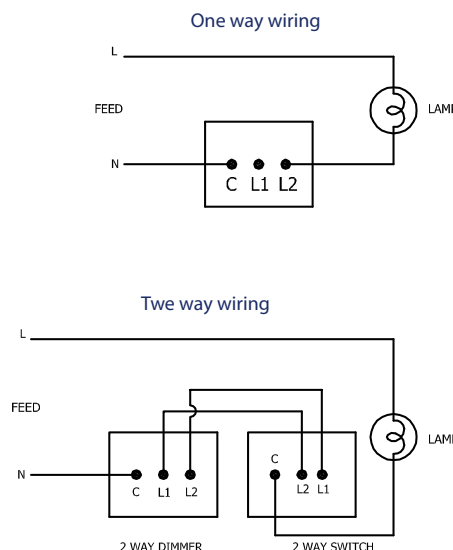
WARNING: Switch off and isolate main power supply before carrying out installation of the dimmer. These products must be installed by a competent person e.g. a qualified electrician in accordance with the following wiring diagram and conforming to the latest edition of the IEE wiring regulations applicable in each country.



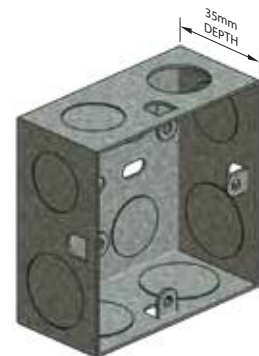
Mounting details



wiring diagrams



Mounting box depth



Specifications & Features

ELITE SERIES

Screw less switches & sockets



Specifications

Conforms to	: BSEN 60669 2-1
Current Rating Load	: 300 - 1500 W
Voltage	: 250 V
Terminal Capacity	: 2 x 1.5 sq. mm ² and 1 x 2.5 sq.mm ²
Plate Size	: 86 x 86 x 9 and 146.6 x 86 x 8.5 mm
Mounting center	: 60.3 mm and 120.6 mm

Application :  

Approvals & Marking :    

Features

- Cover plates are made from unbreakable, flame retardant and UV stabilized plastic material.
- Switch contacts are in copper with inlayed silver to provide high conductivity.
- Available in 1 way rotary type and 2 ways push type wiring options.
- Suitable for controlling resistive loads only.
- A humming free Fan Regulator for noiseless fan operation.
- No visible screws on the cover plates offering higher safety.
- Suitable for both flush and surface mounted back boxes.

Note: ELITE Dimmers are not suitable for Fluorescent and Energy Saving Lamps.



: RAL 9003



: Fire Retardant Engineering Plastic



: 850 °C

Part No.	Description	Sketch	Size (mm)	No. of pieces per Box	No. of pieces per Carton
EDB110EL	1 Gang 300W 1 way Dimmer		86 x 86 x 8.5	5	50
EDB120EL	1 Gang 300W 2 way Dimmer		86 x 86 x 8.5	5	50
EDB130EL	1 Gang 500W 1 way Dimmer		86 x 86 x 8.5	5	50
EDB140EL	1 Gang 500W 2 way Dimmer		86 x 86 x 8.5	5	50
EDB210EL	2 Gang 300W 1 way Dimmer		86 x 86 x 8.5	5	50
EDB220EL	2 Gang 300W 2 way Dimmer		86 x 86 x 8.5	5	50
EDB230EL	2 Gang 500W 1 way Dimmer		86 x 86 x 8.5	5	50
EDB240EL	2 Gang 500W 2 way Dimmer		86 x 86 x 8.5	5	50
EDB170EL	1 Gang 1000W 1 way Dimmer		86 x 86 x 8.5	5	50
EDB150EL	1 Gang 1000W 2 way Dimmer		86 x 86 x 8.5	5	50
EDB160EL	1 Gang 500W Fan Regulator		86 x 86 x 8.5	5	50

Socket Outlets – British Standard

ELITE Socket Outlet can be used in any residential or commercial low voltage installation requiring 3 Flat Pins 13A power source socket conforming to British Standard BS 1363-2.

These sockets are available in both switched and un-switched types and with or without NEON indicators. These sockets are designed to accept only compatible plugs. They are also provided for extra safety with nylon shutters, which open only when the plug is inserted in the socket. Any electrical device with a 3 flat pins plug rated 13A can be used with these sockets thus making it suitable to use as a standalone power source in any residential or commercial installations.

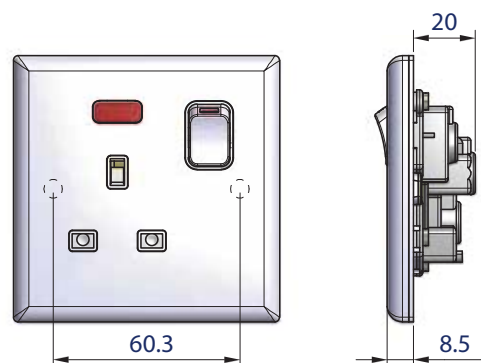
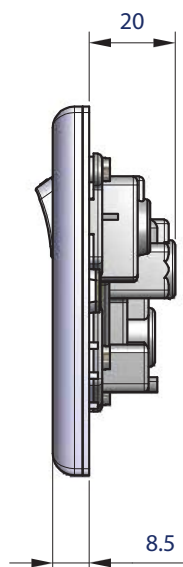
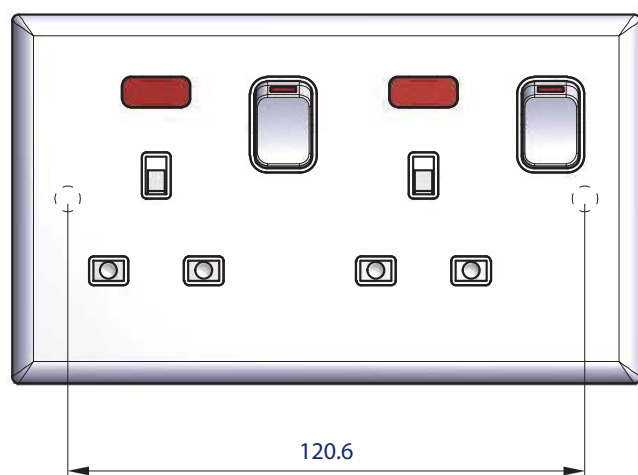
Installation & safety instruction

WARNING: Switch off and isolate main power supply before carrying out installation of the socket. These products must be installed by a competent person e.g. a qualified electrician in accordance with the following wiring diagram and conforming to the latest edition of the IEE wiring regulations applicable in each country.

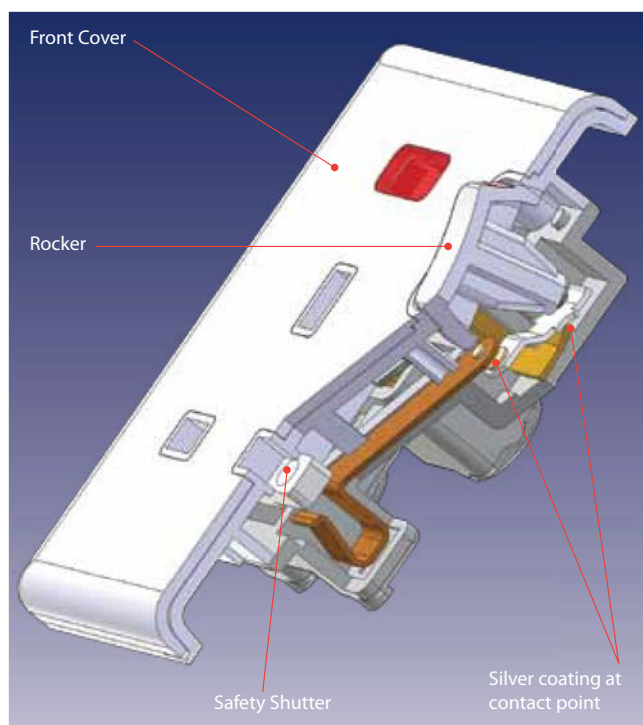
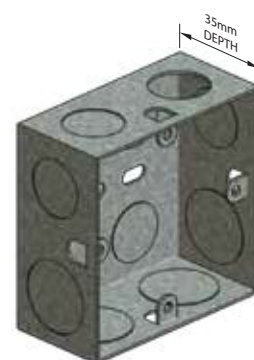
Recommended quantity of sockets for domestic application “Twin Switched sockets”

Area	Number of sockets
Kitchen	4
Dinning room	3
Bedroom	3
Hall	3
Garage	2
Store	1

Mounting details



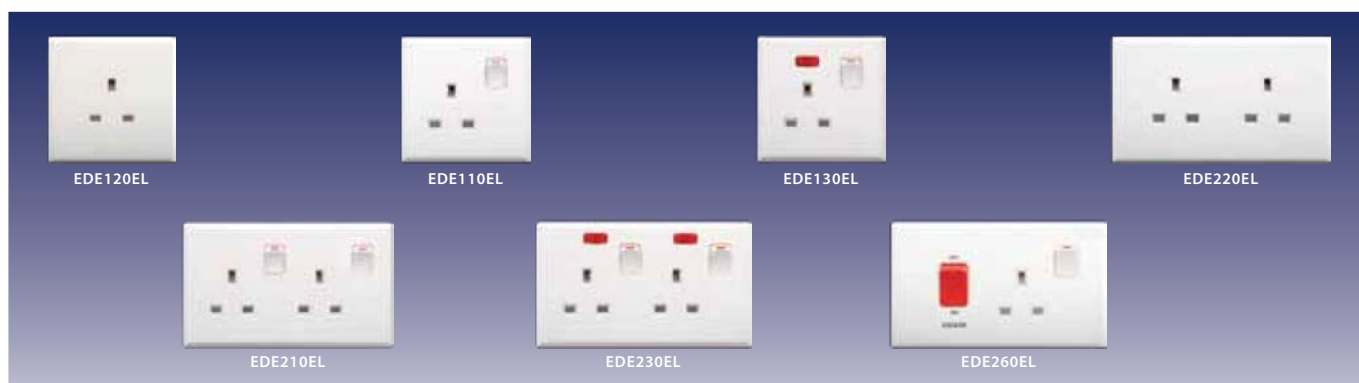
Mounting box depth



Specifications & Features

ELITE SERIES

Screw less switches & sockets



Specifications

Conforms to	: BS 1363-2
Rated Current	: 13 A
Rated Voltage	: 250 V ac, 50/60 Hz
Terminal capacity	: 4 x 1.5 sq.mm
Plate Size	: 86 x 86 x 8.5 and 146.6 x 86 x 8.5 mm
Mounting Centre	: 60.3 mm and 120.6 mm

Applications :  

Approvals & Marking :    

Features

- Available in both switched and un-switched types as well as with or without NEON indicator.
- Cover plates are made from unbreakable, flame retardant and UV stabilized plastic material.
- Switch contacts are in copper with inlaid silver to provide high conductivity.
- Terminals suitable for higher current rating.
- Nylon safety shutters activated only when plug is inserted for higher safety.
- High tension steel springs for consistent contact pressure for switching operation.
- No visible screws on the cover plates offering higher safety.
- Suitable for both flush and surface mounted back boxes.
- Can be mounted on DECODUCT Cable Management Trunking System.







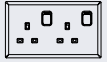


: RAL 9003



: Fire Retardant Engineering Plastic



: 850 °C

Part No.	Description	Sketch	Size (mm)	No. of pieces per Box	No. of pieces per Carton
EDE120EL	1 Gang 13 A SP Un-Switched Socket		86 x 86 x 8.5	10	100
EDE110EL	1 Gang 13 A SP Switched Socket		86 x 86 x 8.5	10	100
EDE130EL	1 Gang 13 A SP Switched Socket with Neon		86 x 86 x 8.5	10	100
EDE220EL	2 Gang 13 A SP Un-Switched Socket		146.6 x 86 x 8.5	5	50
EDE210EL	2 Gang 13 A SP Switched Socket		146.6 x 86 x 8.5	5	50
EDE230EL	2 Gang 13 A SP Switched Socket with Neon		146.6 x 86 x 8.5	5	50
EDE260EL	Cooker Control Unit		146.6 x 86 x 8.5	5	50

Usage of 13 A Sockets

Type of Socket	Appliance						
	Microwave	Dish Washer	Fridge	Freezer	Hob	Cooker Hood	Kettle
Un-switched	-	-	√	√	-	-	-
Switched	√	√	√	√	√	√	√
Switched with Neon	√	√	√	√	√	√	√

Other Socket Outlets

ELITE Other Socket Outlets are designed to address requirements of various international standards and suitable to use with round and flat pins plugs rated up to 16A. These sockets are invariably used for 3 round pin or 2 flat & round pins plugs which are extensively used for residential and commercial low voltage installations in various countries.

ELITE 3 Round Pins Switched Socket comply with British Standard BS546 and suitable to plug in any electrical device using 3 round pins plug requiring power rating up to 15A. These sockets are designed to accept only the compatible round pin plugs and are provided for extra safety with nylon shutters, which open only when the plug is inserted in the socket. These sockets are suitable to use as a standalone power source in any residential or commercial installations requiring 15A rating at 230/240/250 V AC.

ELITE 2 Pins Universal Sockets accept both round and flat 2 pins plugs with a rating of 16A. They are available in both switched and un-switched types and are provided for extra safety with nylon shutters, which open only when the plug is inserted in the socket.

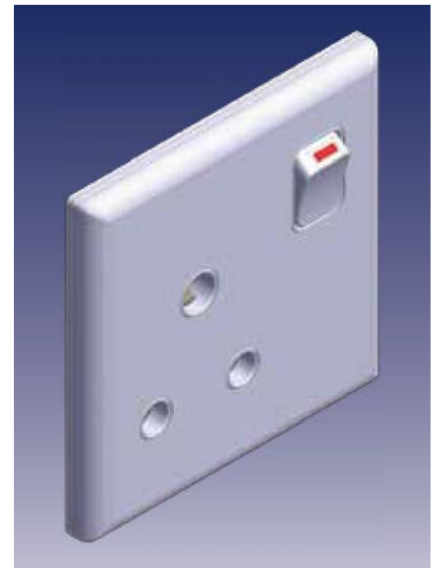
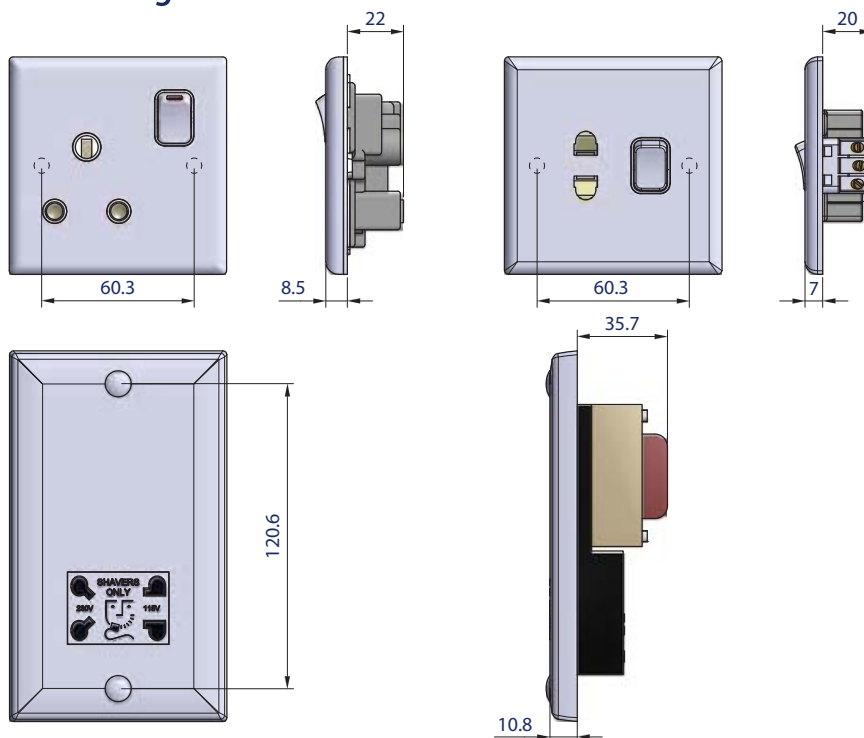
ELITE Shaver Socket comply with the requirements of harmonized British Standard BSEN 61558-2 and are suitable for varied operating voltages from 115V to 230V. These sockets are suitable to operate with all type of two pins plugs used in North America, Europe, Asia and Australia making it suitable to use in all continents around the globe. They are also equipped with an integral current detection device to protect the transformer from varied voltages. These sockets can ideally be used in bathroom and powder room of hotels and residential buildings.

Note: ELITE Shaver Socket comes with the cover plate with screws and plugs due to inherent construction of the socket. Hence this product does not have screw-less cover plate design.

Installation & safety instruction

WARNING: Switch off and isolate main power supply before carrying out installation of the socket. These products must be installed by a competent person e.g. a qualified electrician in accordance with the following wiring diagram and conforming to the latest edition of the IEE wiring regulations applicable in each country.

Mounting details



Specifications & Features

ELITE SERIES

Screw less switches & sockets



Specifications

Conforms to	: BS546/BSEN61558-2
Rated Current	: Up to 16 A
Rated Voltage	: 250 V ac, 50/60 Hz
Terminal capacity	: 4 x 1.5 sq.mm
Plate Size	: 86 x 86 x 8.5 and 146.6 x 86 x 8.5 mm
Mounting Centre	: 60.3 mm and 120.6 mm

Applications :  

Approvals & Marking :    

Features

- Cover plates are made from unbreakable, flame retardant and UV stabilized plastic material.
- Suitable to use as a standalone power source for various types of flat & round pin plugs.
- Switch contacts are in copper with inlayed silver to provide high conductivity.
- Nylon safety shutters activated only when plug is inserted to reduce the risk of electric shock.
- No visible screws on the cover plates (except Shaver Socket) offering higher safety.
- Suitable for both flush and surface mounted back boxes.
- Can be mounted on DECODUCT Cable Management Trunking System.










: RAL 9003



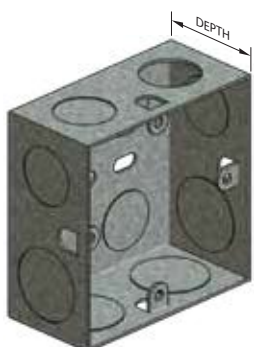
: Fire Retardant Engineering Plastic



: 850 °C

Part No.	Description	Sketch	Size (mm)	No. of pieces per Box	No. of pieces per Carton
EDE 140 EL	15A Unswitched Socket		86 x 86	10	100
EDE 150 EL	15A Switched Socket		86 x 86	10	100
EDE 160 EL	16A Universal Socket 1 Gang		86 x 86	10	100
EDE 170 EL	16A Universal Socket + 10AX Switch		86 x 86	10	100
EDE 260 EL	16A Universal Socket 2 Gang		86 x 86	10	100
EDE 360 EL	16A Universal Socket 3 Gang		146.6 x 86	5	50
EDE 510	Dual voltage Shaver Socket, 230V input		146.6 x 86	1	20

Mounting box depth



Switch	BOX	
	3 x 3 Plate	3 x 6 Plate
15A Unswitched Socket	35	-
15A Switched Socket	35	-
16A Universal Socket 1 Gang	35	-
16A Universal Socket + 10AX Switch	35	-
16A Universal Socket 2 Gang	35	-
16A Universal Socket 3 Gang	-	35
Dual voltage Shaver Socket, 230V input	-	47



Communication & Data Accessories

Telephone Sockets

ELITE Telephone Sockets offer Master as well as Secondary Telephone sockets conforming to British Standard BS6312:2.2 and are used to connect communication devices with the public telephone networks. These socket are RJ11 (4/6 wire) US type widely used by most of the public telecommunication networks. The Master socket outlet is used as the primary communication outlet connected to the main incoming signal of the service provider. The Secondary socket outlet is used as an extension outlet which gets the signal from the Master outlet. These sockets are suitable to connect to both analogue & digital signals popularly used in residential and commercial environments. They are available in one and two gang combinations. 3 round pins 2 amp telephone sockets and RJ12 type sockets being used in several countries are also available in the range.



TV/Satellite Connectors

ELITE TV connectors are suitable to connect incoming TV antenna signal through coaxial cable using M type connector. Elite Satellite connectors are male type screw connectors suitable to connect to any video signal using F type of connectors. These are also available in both one and two gang combinations.



Data Sockets

ELITE Data Sockets are manufactured in accordance to IEC11808 suitable to use for the high speed data communication and transfers. These sockets are in RJ45 format and are available in both cat5e and cat6 categories. They are suitable for both 568A and 568B data cabling requirements using ISDN data transfer modules.

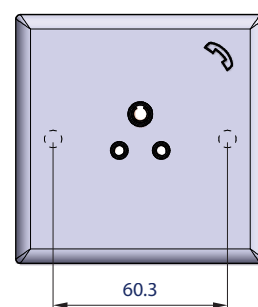
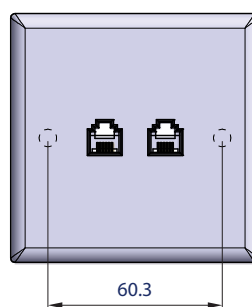
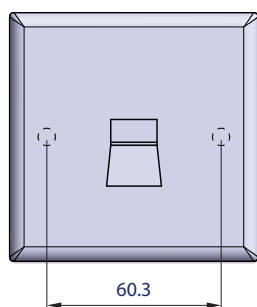
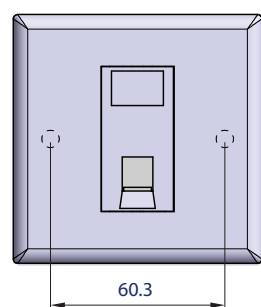
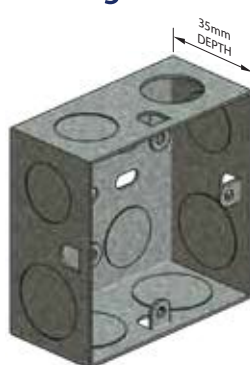
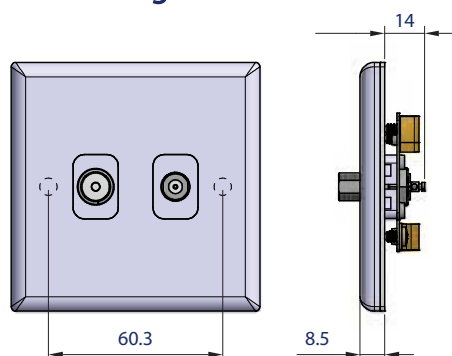


Installation & safety instruction

WARNING: These products must be installed by a competent person e.g. a qualified computer and communication expert in accordance with the latest edition of the data & communication cabling regulations applicable in each country.

Mounting details

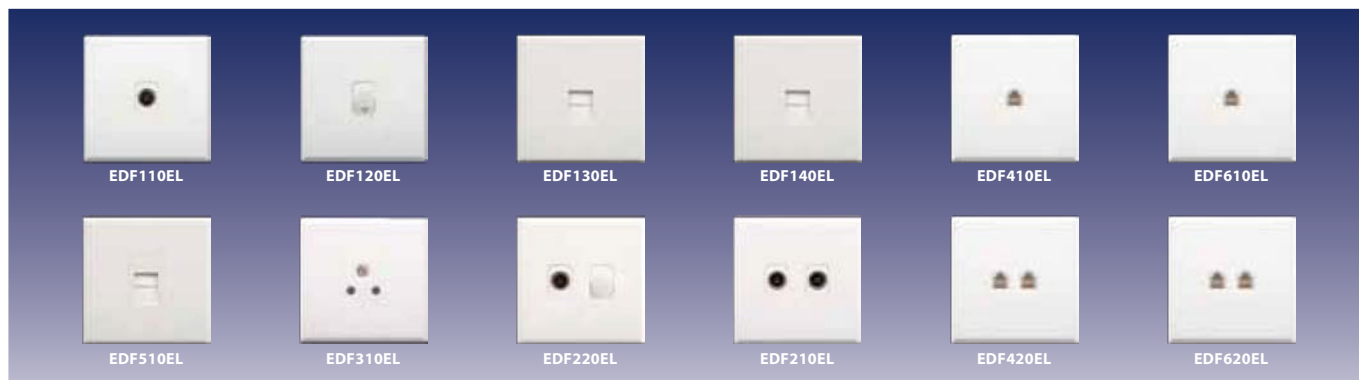
Mounting box depth



Specifications & Features


ELITE SERIES

Screw less switches & sockets



Specifications

Conforms to	: BS6312:2.2/IEC11808
Format	: RJ11/RJ12/RJ45
Terminal Capacity	: 4 or 6 wires US type
Connector Types	: Co-axial M/F and ISDN
Plate Size	: 86 x 86 x 8.5 mm
Mounting Centre	: 60.3 mm

Applications :  

Approvals & Marking :    

Features

- Cover plates are made from unbreakable, flame retardant and UV stabilized plastic material.
- Telephone sockets are available in both 4 & 6 wires RJ11 formats.
- Data Sockets (RJ45) are available with both cat5e and cat6 options.
- Safety shutter for the RJ45 data socket ensuring contacts protection while not in use.
- All contacts pins are of high grade phosphor bronze to provide high connectivity.
- TV & Satellite outlets are made from high grade steel material with rust proof coating.
- No visible screws on the cover plates offering higher safety.
- Suitable for both flush and surface mounted back boxes.
- Can be mounted on DECODUCT Cable Management Trunking System.















: RAL 9003



: Fire Retardant Engineering Plastic



: 850 °C

Part No.	Description	Sketch	Size (mm)	No. of pieces per Box	No. of pieces per Carton
EDF110EL	1 Gang TV Socket		86 x 86 x 8.5	10	100
EDF120EL	1 Gang Satellite Socket		86 x 86 x 8.5	10	100
EDF130EL	1 Gang Master Telephone Outlet UK type		86 x 86 x 8.5	10	100
EDF140EL	1 Gang Secondary Telephone Outlet UK type		86 x 86 x 8.5	10	100
EDF410EL	1 Gang RJ 11 Telephone Socket Outlet US type		86 x 86 x 8.5	10	100
EDF610EL	1 Gang RJ 12 Telephone Socket Outlet US type		86 x 86 x 8.5	10	100
EDF510EL	1 Gang RJ 45 Computer Outlet - Cat 6		86 x 86 x 8.5	10	100
EDF310EL	1 Gang 2A Telephone Socket		86 x 86 x 8.5	10	100
EDF210EL	2 Gang TV Socket		86 x 86 x 8.5	10	100
EDF220EL	2 Gang Satellite Socket / TV Satellite		86 x 86 x 8.5	10	100
EDF420EL	2 Gang RJ 11 Telephone Socket Outlet US type		86 x 86 x 8.5	10	100
EDF620EL	2 Gang RJ 12 Telephone Socket Outlet US type		86 x 86 x 8.5	10	100

Fuse Connection Units (Spur Units)

ELITE Fuse Connection Units are manufactured in accordance to British Standard BS1363-4. These are also called as Spur Units and are used for permanent connection of electrical appliances with a current rating up to 13A without using a conventional plug/socket combination. A safety fuse is incorporated in the switch wiring loop to protect permanently connected appliances from voltage or current fluctuation. Typical appliances connected using these units are Cooker Hoods, Cooking Range, Exhaust Domes, Water Discharge Units, Shaver Sockets and hidden or inaccessible power sources in places like kitchen, Pantry etc. of residential and commercial properties.

Usage of Fuse connection units

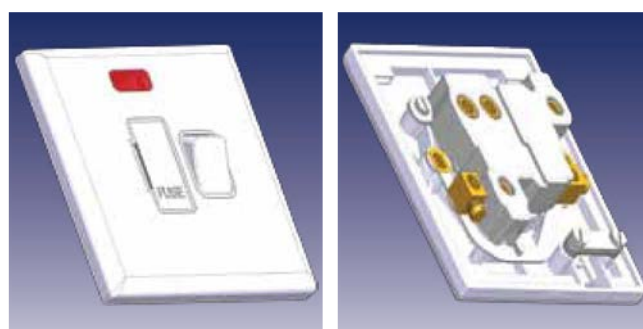
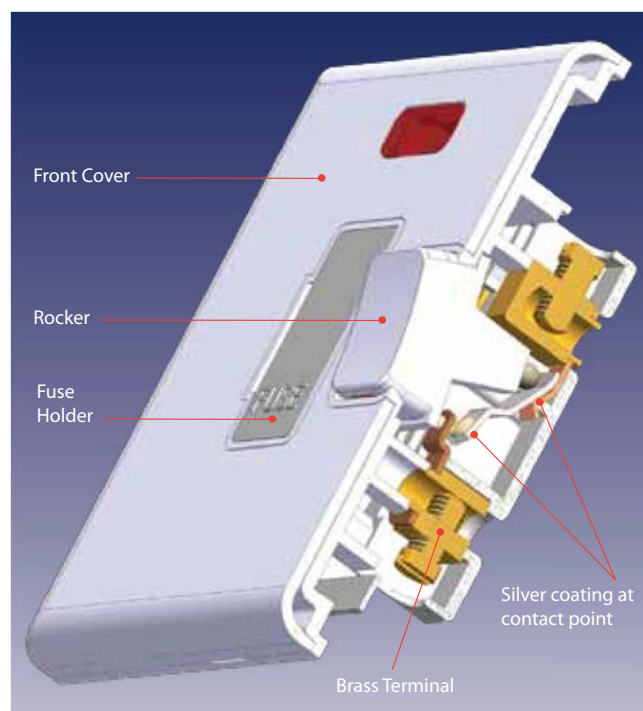
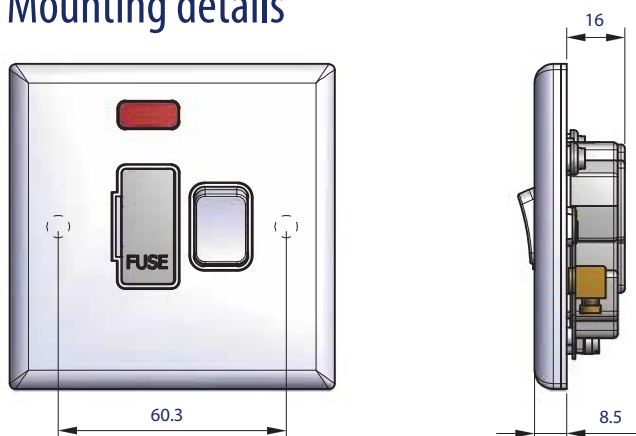
Appliance	13 A Fuse Connection units
Washing Machine	✓
Cooker	✓
Dishwasher	✓
Freeze	✓
Fridge	✓
Oven	✓
Tumble Dryer	✓
Electric Cattle	✓

Installation & safety instruction

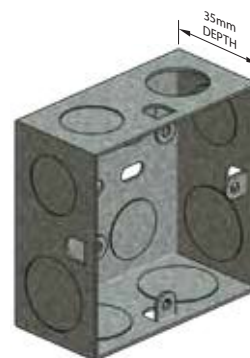
Note: Operating temperature shall not exceed the specified limit of +50°C in continuous usage.

WARNING: Switch off and isolate main power supply before carrying out installation of the fused connection units. These products must be installed by a competent person e.g. a qualified electrician in accordance with the following wiring diagram and conforming to the latest edition of the IEE wiring regulations applicable in each country.

Mounting details



Mounting box depth



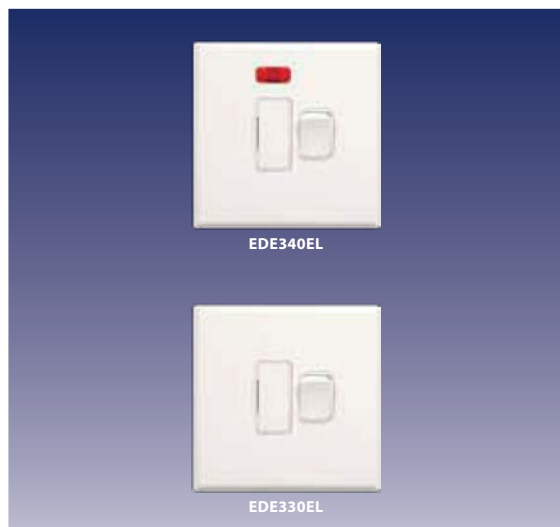
13A Fused Connection Units / Other Modules	BOX 3 x 3 Plate
13 A Switched Fused Connection Unit (Square)	35
13 A Switched Fused Connection Unit with Neon (Square)	35

Maximum Number of conductors per Terminal

13 A Fused Connection Unit / Other Modules	1.5 sq.mm	2.5 sq.mm	4.0 sq.mm	6.0 sq.mm	10.0 sq.mm	16 sq.mm
13 A Switched Fused Connection Unit	8	5	3	1	1	1
13 A Switched Fused Connection Unit with Neon	8	5	3	1	1	1

Technical Specifications

ELITE SERIES Screw less switches & sockets



Type	Fused Connection Units
Standard	BS 1363-4
Number of Poles	2
Rated Current	13 A
Rated Voltage	250 V
Frequency	50 - 60 Hz
Contact Opening Type	Normal gap
Degree of Protection	IP 40
Switch Actuating Method	Rocker
Method of mounting	Flush & Surface
Method of installation	Design A
Type of Terminal	Screw-Type
Type of Enclosure	Un-Enclosed
Operating Temperature	-5 °C to + 50 °C
Making & Breaking Current	16.25 A
Making & Breaking Voltage	275 V
Electrical Endurance Capacity	15,000 operations
Mechanical Impact Strength Test	9 blows, Height 250 mm
Electric Strength Test Voltage	2 kV
Insulation Resistance @ 500V dc	5 MΩ min
Max. Installation Altitude	2000 meters
Plate Size (mm)	86 x 86
Mounting Centres (mm)	60.3
Material	Engineering Plastic *
Standard colour	RAL 9003
Appearance	Gloss
Flammability rating UL 94	V2
Proof Tracking Index (material)	175 V
Glow wire temperature	850 ° C
Ball Pressure temperature @ 20N	125 ° C
Quality Management System	ISO 9001 : 2008

* Flame Retardant UV stabilised, virtually unbreakable engineering plastic material.

* Fuse connection units are fitted with a 13 Amp fuse (BS 1362).

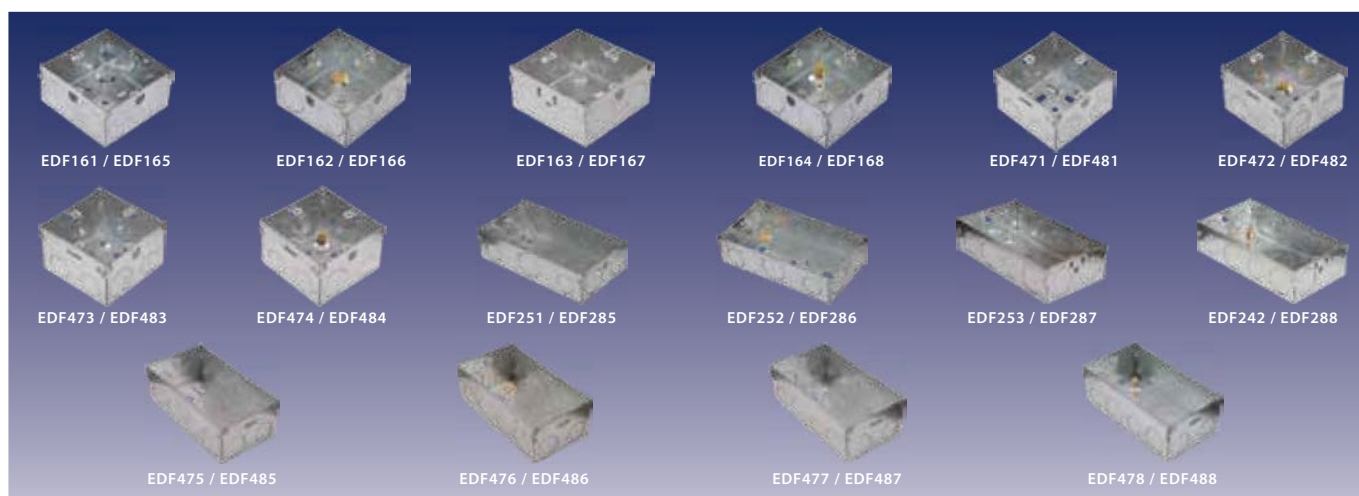


13A Spur units

Part No.	Description	Sketch	Size (mm)	No. of pieces per Box	No. of pieces per Carton
EDE330EL	1 Gang 13 A Switched Fused Connection Unit		86 x 86 x 8.5	10	100
EDE340EL	1 Gang 13 A Switched Fused Connection Unit with Neon		86 x 86 x 8.5	10	100

Metal Mounting Boxes (Flush)

ELITE SERIES Screw less switches & sockets



Part No.	Description	Size (mm)	Sheet Thickness (mm)	Qty in 1 carton
EDF161	Single gang box with steel terminal	72 x 72 x 35	0.9	200
EDF162	Single gang box with brass washer terminal	72 x 72 x 35	0.9	200
EDF163	Single gang box without terminal	72 x 72 x 35	0.9	200
EDF164	Single gang box with brass pillar terminal	72 x 72 x 35	0.9	200
EDF165	Single gang box with steel terminal	72 x 72 x 35	1.1	200
EDF166	Single gang box with brass washer terminal	72 x 72 x 35	1.1	200
EDF167	Single gang box without terminal	72 x 72 x 35	1.1	200
EDF168	Single gang box with brass pillar terminal	72 x 72 x 35	1.1	200
EDF471	Single gang box with steel terminal	72 x 72 x 47	0.9	200
EDF472	Single gang box with brass washer terminal	72 x 72 x 47	0.9	200
EDF473	Single gang box without terminal	72 x 72 x 47	0.9	200
EDF474	Single gang box with brass pillar terminal	72 x 72 x 47	0.9	200
EDF481	Single gang box with steel terminal	72 x 72 x 47	1.1	200
EDF482	Single gang box with brass washer terminal	72 x 72 x 47	1.1	200
EDF483	Single gang box without terminal	72 x 72 x 47	1.1	200
EDF484	Single gang box with brass pillar terminal	72 x 72 x 47	1.1	200
EDF251	Twin gang box with steel terminal	132 x 72 x 35	0.9	100
EDF252	Twin gang box with brass washer terminal	132 x 72 x 35	0.9	100
EDF253	Twin gang box without terminal	132 x 72 x 35	0.9	100
EDF242	Twin gang box with brass pillar terminal	132 x 72 x 35	0.9	100
EDF285	Twin gang box with steel terminal	132 x 72 x 35	1.1	100
EDF286	Twin gang box with brass washer terminal	132 x 72 x 35	1.1	100
EDF287	Twin gang box without terminal	132 x 72 x 35	1.1	100
EDF288	Twin gang box with brass pillar terminal	132 x 72 x 35	1.1	100
EDF475	Twin gang box with steel terminal	132 x 72 x 47	0.9	100
EDF476	Twin gang box with brass washer terminal	132 x 72 x 47	0.9	100
EDF477	Twin gang box without terminal	132 x 72 x 47	0.9	100
EDF478	Twin gang box with brass pillar terminal	132 x 72 x 47	0.9	100
EDF485	Twin gang box with steel terminal	132 x 72 x 47	1.1	100
EDF486	Twin gang box with brass washer terminal	132 x 72 x 47	1.1	100
EDF487	Twin gang box without terminal	132 x 72 x 47	1.1	100
EDF488	Twin gang box with brass pillar terminal	132 x 72 x 47	1.1	100

PLASTIC MOUNTING BOXES (Flush and Surface)

ELITE SERIES
Screw less switches & sockets



Specifications

Conforms to : BS 5733 & BS 4162
 Sizes : 87 x 87 x 32, 87 x 147 x 32
 : 87 x 87 x 25, 87 x 147 x 25
 : 74 x 74 x 34 & 35, 74 x 134 x 34 & 35

Application :  

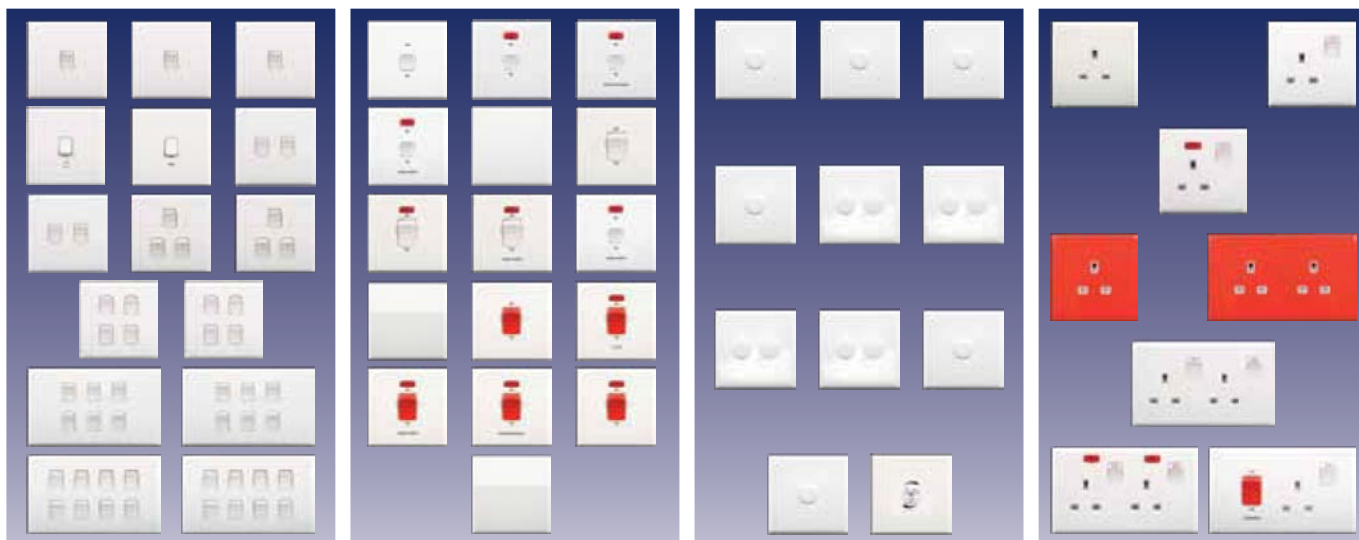
Approvals & Marking :     

Features

- Edison Plastic mounting boxes are self-extinguishing and non flame propagating
- Shock resistance IK08 (6j)
- Resistance to abnormal heat 650°C (Flush mounting)
- Installation temperature -5°C To 60°C
- Conforms to latest edition of IEE wiring regulations

Part No.	Description	Size (mm)	Remarks	Qty in 1 carton
DSO2 / A	Single gang surface mounting box	87 x 87 x 32	For 16 x 16 and 25 x 16 trunking (LH & RH and centre entry)	240
DSO2 / B	Single gang surface mounting box	87 x 87 x 32	For 38 x 16 trunking (LH & RH and centre entry)	240
DSO2 / C	Single gang surface mounting box	87 x 87 x 32	For 16 x 16 and 25 x 16 trunking	240
DSO2	Single gang surface mounting box	87 x 87 x 32	Plain box For mini trunking	240
DSO2 / K	Single gang surface mounting box	87 x 87 x 32	Box For mini trunking with K.O	240
DP15B	Single gang flush mounting box	87 x 87 x 25	For dado trunking	160
DXTB1	Single gang flush mounting box	87 x 87 x 25	For 100 x 40 and 100 x 50 trunking	320
DFO2 / AL	Single gang flush mounting box	74 x 74 x 35	For conduits 2 x 20 mm K.O on each side	240
DLO3	Single gang flush mounting box	74 x 74 x 34	Dry Lining accessory box	120
DST2 / A	Twin gang surface mounting box	87 x 147 x 32	For 16 x 16 and 25 x 16 trunking (LH & RH and centre entry)	120
DST2 / B	Twin gang surface mounting box	87 x 147 x 32	For 38 x 16 trunking (LH & RH and centre entry)	120
DST2 / C	Twin gang surface mounting box	87 x 147 x 32	For 16 x 16 and 25 x 16 trunking	120
DST2	Twin gang surface mounting box	87 x 147 x 32	Plain box For mini trunking	120
DST2 / K	Twin gang surface mounting box	87 x 147 x 32	Box For mini trunking with K.O	120
DP25B	Twin gang flush mounting box	87 x 147 x 25	For dado trunking	160
DXTB2	Twin gang flush mounting box	87 x 147 x 25	For 100 x 40 and 100 x 50 trunking	160
DFT2 / AL	Twin gang flush mounting box	74 x 134.3 x 35	For conduits 2 x 20 mm K.O on each side	120
DLT3	Twin gang flush mounting box	74 x 134 x 34	Dry Lining accessory box	240

Technical overview



Type	Single Pole Switches	Double Pole Switches	Dimmer Switches	BS Standard Sockets (Flat Pin)
Standard	BS EN 60669-1	BS EN 60669-1	BS EN 60669-2-1	BS 1363-2
Number of Poles	1	2	1	1, 2
Pattern Number	1, 6	2	1, 6	-
Rated Current / Load	10 AX	20 A, 32 A, 45 A	250 W to 1000 W	13 A
Rated Voltage	250 V	250 V	250 V	250 V
Frequency	50 - 60 Hz	50 - 60 Hz	50 - 60 Hz	50 - 60 Hz
Contact Opening Type	Normal gap	Normal gap	Normal gap	Normal gap
Degree of Protection	IP 40	IP 40	IP 40	IP 40
Switch Actuating Method	Rocker	Rocker	Rotary & Push	Rocker
Method of mounting	Flush & Surface	Flush & Surface	Flush & Surface	Flush & Surface
Method of installation	Design A	Design A	Design A	Design A
Type of Terminal	Screw-Type	Screw-Type	Screw-Type	Screw-Type
Type of Enclosure	Un-Enclosed	Un-Enclosed	Un-Enclosed	Un-Enclosed
Operating Temperature	-5 °C to + 50 °C	-5 °C to + 50 °C	-5 °C to + 50 °C	-5 °C to + 50 °C
Making & Breaking Current	12.5 A, 25 A	25 A, 40 A, 56.25 A	12.5 A, 25 A	16.25 A
Making & Breaking Voltage	275 V	275 V	275 V	275 V
Electrical Endurance Capacity	40,000 operations	10,000 operations	40,000 operations	15,000 operations
Mechanical Impact Strength Test	9 blows, Height 250 mm	9 blows, Height 250 mm	9 blows, Height 250 mm	9 blows, Height 250 mm
Electric Strength Test Voltage	2 kV	2 kV	2 kV	2 kV
Insulation Resistance @ 500V dc	5 MΩ min	5 MΩ min	5 MΩ min	5 MΩ min
Max. Installation Altitude	2000 meters	2000 meters	2000 meters	2000 meters
Plate Size (mm)	86 x 86, 146 x 86	86 x 86, 146 x 86	86 x 86, 146 x 86	86 x 86, 146 x 86
Mounting Centres (mm)	60.3, 120.6	60.3, 120.6	60.3, 120.6	60.3, 120.6
Material	Engineering Plastic *	Engineering Plastic *	Engineering Plastic *	Engineering Plastic *
Standard colour	RAL 9003	RAL 9003	RAL 9003	RAL 9003
Appearance	Gloss	Gloss	Gloss	Gloss
Flammability rating UL 94	V2	V2	V2	V2
Proof Tracking Index (material)	175 V	175 V	175 V	175 V
Glow wire temperature	Test @ 850 °C	Test @ 850 °C	Test @ 850 °C	Test @ 850 °C
Ball Pressure temperature @ 20N	Test @ 125 °C	Test @ 125 °C	Test @ 125 °C	Test @ 125 °C
Quality Management System	ISO 9001 : 2008	ISO 9001 : 2008	ISO 9001 : 2008	ISO 9001 : 2008

* Flame Retardant UV stabilised, virtually unbreakable engineering plastic material.

* Operating temperature should not exceed the specified limits in continuous use.

* Shaver sockets should be wall mounted with protection from water.

ELITE SERIES

Screw less switches & sockets



TV and Satellite Sockets	Communication & Data outlets	Shaver Socket	BS Standard Sockets (Round Pin)	Universal Socket
BS 5733 (where applicable)	BS 5733 (where applicable)	BS EN 61558-2	BS 546	BS 5733 (where applicable)
-	-	-	1	2P
-	-	-	-	-
-	-	20VA	15 A	16A
-	-	250 V	250 V	250 V
-	-	50 Hz	50 - 60 Hz	50 - 60 Hz
-	-	-	Normal gap	-
IP 40	IP 40	IP 40	IP 40	IP 40
-	-	-	Rocker	-
Flush & Surface	Flush & Surface	Flush & Surface	Flush & Surface	Flush & Surface
-	-	Design A	Design A	Design A
Screw-Type	Screw-Type	Screw-Type	Screw-Type	Screw-Type
Un-Enclosed	Un-Enclosed	Un-Enclosed	Un-Enclosed	Un-Enclosed
-5 °C to + 50 °C	-5 °C to + 50 °C	-5 °C to + 50 °C	-5 °C to + 50 °C	-5 °C to + 50 °C
-	-	-	19.5 A	20A
-	-	275 V	275 V	275 V
-	-	-	5,000 operations	5,000 operations
9 blows, Height 250 mm	9 blows, Height 250 mm	9 blows, Height 250 mm	9 blows, Height 250 mm	9 blows, Height 250 mm
2 kV	2 kV	2 kV	2 kV	2 kV
5 MΩ min	5 MΩ min	5 MΩ min	5 MΩ min	5 MΩ min
2000 meters	2000 meters	2000 meters	2000 meters	2000 meters
86 x 86	86 x 86	146.6 x 86	86 x 86, 146.6 x 86	86 x 86, 146.6 x 86
60.3, 120.6	60.3, 120.6	120.6	60.3, 120.6	60.3, 120.6
Engineering Plastic *	Engineering Plastic *	Engineering Plastic *	Engineering Plastic *	Engineering Plastic *
RAL 9003	RAL 9003	RAL 9003	RAL 9003	RAL 9003
Gloss	Gloss	Gloss	Gloss	Gloss
V2	V2	V2	V2	V2
175 V	175 V	175 V	175 V	175 V
Test @ 850 °C	Test @ 850 °C	Test @ 850 °C	Test @ 850 °C	Test @ 850 °C
Test @ 125 °C	Test @ 125 °C	Test @ 125 °C	Test @ 125 °C	Test @ 125 °C
ISO 9001 : 2008	ISO 9001 : 2008	ISO 9001 : 2008	ISO 9001 : 2008	ISO 9001 : 2008

* Satellite sockets can be used for CATV and MATV installations.

* Maximum pull force of 8.5 newton to be applied on telephone and RJ45 accessories.

