



Industrial Plugs and Sockets Range Updates September 2013





range introduction

MK Commando offers a comprehensive range of industrial plugs, connectors, socket outlets, appliance inlets, Combi and Modular-Combi units.

From September 2013, MK Electric will be refreshing the MK Commando range in phases. This brochure features the new versions of the 40 most popular plugs and sockets along with the relevant technical specifications, that replace 40 products with the same Product Codes in the MK Electric Catalogue No. 48.

Both the old and new products are compatible with each other, and still meet all relevant European and British Standards, whilst offering an excellent choice of ingress protected ratings.

features and benefits

Reliability

Features like the calibrated contact sleeves with stainless steel springs and double earthing screws all mean that this plug or socket will perform better and longer in difficult conditions.

NEW nickel plated pins on all plugs also mean improved longevity, resistance to wear and high humidity.

Ergonomic design

All edges and corners are rounded to remove sharp edges. Cable protection is improved. **NEW** design offers a better and more comfortable grip for connection / disconnection.

NEW Quick Release Cable Clamp

Every product across the range has a **NEW** cable clamp with an improved locking mechanism that will apply pressure to the cable for the lifetime of the product.

Easy wiring

Terminals clearly marked for ease of identification. Terminal screws are backed out for rapid connection. Earth terminals have two screws to ensure integrity of connection.

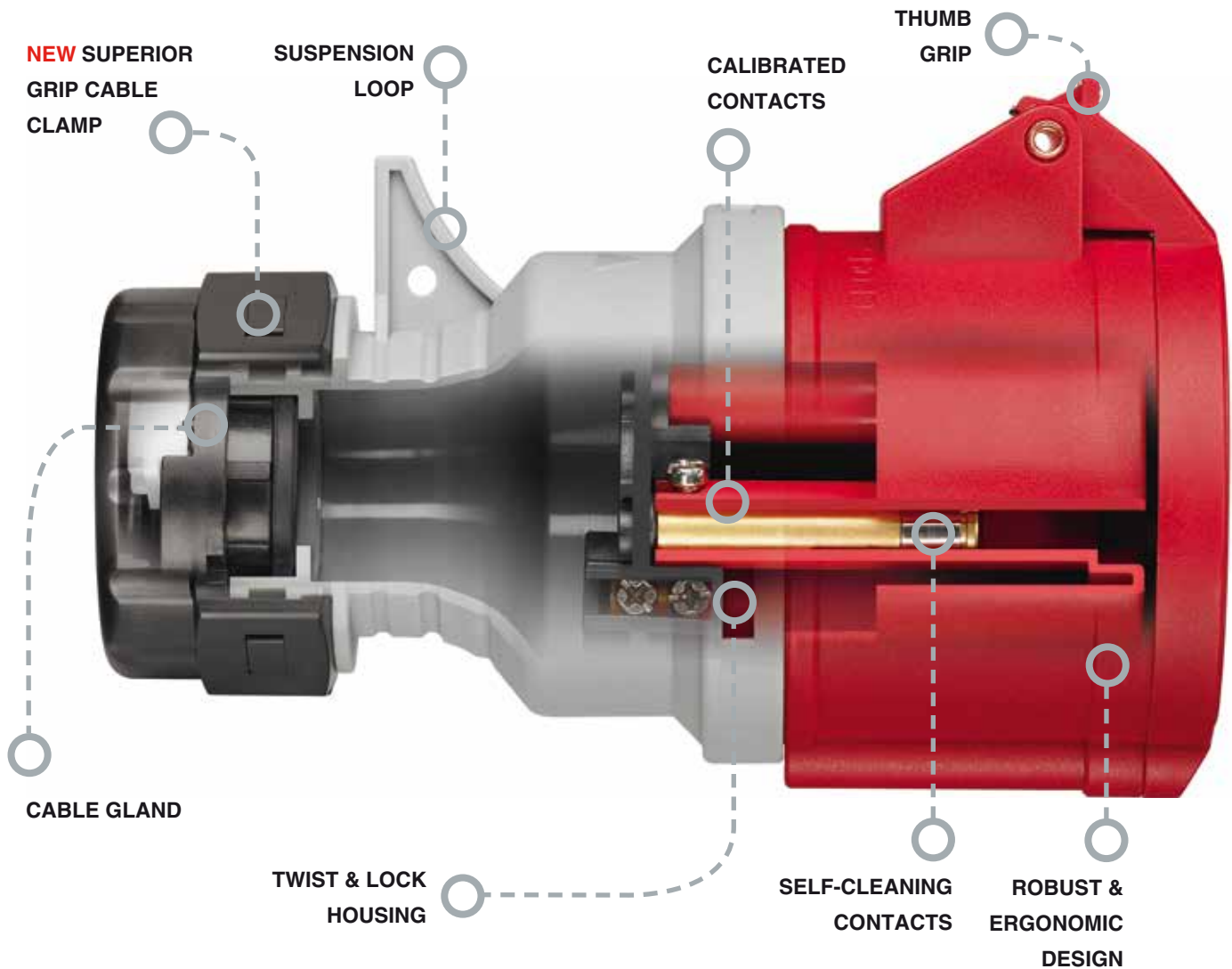
Outstanding Temperature Performance

Successful operation guaranteed between -25°C and 55°C.

10 Year Warranty

technical hotline +44 (0)1268 563720

ingress protected | wiring devices



• High Quality Materials

The Commando range offers remarkable impact strength

Outstanding temperature performance and good resistance to chemicals make it ideal for the arduous applications

NEW Nickel plated pins on all plugs provide improved resistance to humidity and wear.

• Connection Seal

Prevent accidental disconnection or theft of equipment.

• Tight and Secure

Every product across the range has a **NEW** cable clamp with an improved locking mechanism that will apply pressure to the cable for the lifetime of the product.

• Prolonged Earth Connection

The earth connection is specifically designed, so that in the unlikely event of failure of the cable gland and the wires detach from the terminals the earth terminal will be the last to disconnect.

For extra protection the earth terminal is provided with 2 connection screws.

• Suspension Loop

Products can be suspended above the floor, helping to keep the workspace in order.

• Quick and Easy to use

Backed out terminal screws

Clear markings and terminal identification

Clear instructions for cable strip length, tightening torque and opening of the product.

Current Model

PART NUMBER	PIN	DESCRIPTION	PRODUCT
K9032YEL	2P+E	IP44 32A PLUG 100-130V	
K9001BLU	2P+E	IP44 16A PLUG 200-250V	
K9006BLU	3P+E	IP44 16A PLUG 200-250V	
K9033BLU	2P+E	IP44 32A PLUG 200-250V	
K9007RED	3P+E	IP44 16A PLUG 380-415V	
K9015RED	3P+N+E	IP44 16A PLUG 380-415V	
K9037RED	3P+E	IP44 32A PLUG 380-415V	
K9045RED	3P+N+E	IP44 32A PLUG 380-415V	
K9292RED	3P+N+E	IP67 63A PLUG 380-415V	
K9100YEL	2P+E	IP44 16A CONNECTOR 100-130V	
K9132YEL	2P+E	IP44 32A CONNECTOR 100-130V	
K9133BLU	2P+E	IP44 32A CONNECTOR 200-250V	
K9101BLU	2P+E	IP44 16A CONNECTOR 200-250V	
K9107RED	3P+E	IP44 16A CONNECTOR 380-415V	
K9115RED	3P+N+E	IP44 16A CONNECTOR 380-415V	
K9144RED	3P+N+E	IP44 32A CONNECTOR 380-415V	
K9852RED	3P+N+E	IP67 63A CONNECTOR 380-415V	
K9200YEL	2P+E	IP44 16A SOCKET SURFACE SINGLE 100-130V	
K9232YEL	2P+E	IP44 32A SOCKET SURFACE SINGLE 100-130V	
K9201BLU	2P+E	IP44 16A SOCKET SURFACE SINGLE 200-250V	
K9206BLU	3P+E	IP44 16A SOCKET SURFACE SINGLE 200-250V	
K9233BLU	2P+E	IP44 32A SOCKET SURFACE SINGLE 200-250V	
K9236BLU	3P+E	IP44 32A SOCKET SURFACE SINGLE 200-250V	
K9207RED	3P+E	IP44 16A SOCKET SURFACE SINGLE 380-415V	
K9215RED	3P+N+E	IP44 16A SOCKET SURFACE SINGLE 380-415V	
K9237RED	3P+E	IP44 32A SOCKET SURFACE SINGLE 380-415V	
K9241RED	3P+N+E	IP44 32A SOCKET SURFACE SINGLE 380-415V	
K9400YEL	2P+E	IP44 16A SOCKET PANEL STRAIGHT 100-130V	
K9432YEL	2P+E	IP44 32A SOCKET PANEL STRAIGHT 100-130V	
K9401BLU	2P+E	IP44 16A SOCKET PANEL STRAIGHT 200-250V	
K9433BLU	2P+E	IP44 32A SOCKET PANEL STRAIGHT 200-250V	
K9445RED	3P+N+E	IP44 32A SOCKET PANEL STRAIGHT 400-415V	
K9771BLU	2P+E	IP44 16A PANEL MOUNT ANGLE SOCKET 200-250V	
K9701BLU	2P+E	IP44 16A APPLIANCE INLET 200-250V	
K9733BLU	2P+E	IP44 32A APPLIANCE INLET 200-250V	
K9193YEL	2P+E	IP67 16A SOCKET OUTLET SURFACE SINGLE 100-130V	
K9762BLU	2P+E	IP67 32A SOCKET OUTLET SURFACE SINGLE 200-250V	
K9764RED	3P+N+E	IP67 16A SOCKET OUTLET SURFACE SINGLE 380-415V	
K9765RED	3P+E	IP67 32A SOCKET OUTLET SURFACE SINGLE 380-415V	
K9766RED	3P+N+E	IP67 32A SOCKET OUTLET SURFACE SINGLE 380-415V	

technical hotline +44 (0)1268 563720

ingress protected | wiring devices

New Model

PART NUMBER	PIN	DESCRIPTION	PRODUCT
K9032YEL	2P+E	IP44 32A PLUG 100-130V	
K9001BLU	2P+E	IP44 16A PLUG 200-250V	
K9006BLU	3P+E	IP44 16A PLUG 200-250V	
K9033BLU	2P+E	IP44 32A PLUG 200-250V	
K9007RED	3P+E	IP44 16A PLUG 380-415V	
K9015RED	3P+N+E	IP44 16A PLUG 380-415V	
K9037RED	3P+E	IP44 32A PLUG 380-415V	
K9045RED	3P+N+E	IP44 32A PLUG 380-415V	
K9292RED	3P+N+E	IP67 63A PLUG 380-415V	
K9100YEL	2P+E	IP44 16A CONNECTOR 100-130V	
K9132YEL	2P+E	IP44 32A CONNECTOR 100-130V	
K9133BLU	2P+E	IP44 32A CONNECTOR 200-250V	
K9101BLU	2P+E	IP44 16A CONNECTOR 200-250V	
K9107RED	3P+E	IP44 16A CONNECTOR 380-415V	
K9115RED	3P+N+E	IP44 16A CONNECTOR 380-415V	
K9144RED	3P+N+E	IP44 32A CONNECTOR 380-415V	
K9852RED	3P+N+E	IP67 63A CONNECTOR 380-415V	
K9200YEL	2P+E	IP44 16A SOCKET SURFACE SINGLE 100-130V	
K9232YEL	2P+E	IP44 32A SOCKET SURFACE SINGLE 100-130V	
K9201BLU	2P+E	IP44 16A SOCKET SURFACE SINGLE 200-250V	
K9206BLU	3P+E	IP44 16A SOCKET SURFACE SINGLE 200-250V	
K9233BLU	2P+E	IP44 32A SOCKET SURFACE SINGLE 200-250V	
K9236BLU	3P+E	IP44 32A SOCKET SURFACE SINGLE 200-250V	
K9207RED	3P+E	IP44 16A SOCKET SURFACE SINGLE 380-415V	
K9215RED	3P+N+E	IP44 16A SOCKET SURFACE SINGLE 380-415V	
K9237RED	3P+E	IP44 32A SOCKET SURFACE SINGLE 380-415V	
K9241RED	3P+N+E	IP44 32A SOCKET SURFACE SINGLE 380-415V	
K9400YEL	2P+E	IP44 16A SOCKET PANEL STRAIGHT 100-130V	
K9432YEL	2P+E	IP44 32A SOCKET PANEL STRAIGHT 100-130V	
K9401BLU	2P+E	IP44 16A SOCKET PANEL STRAIGHT 200-250V	
K9433BLU	2P+E	IP44 32A SOCKET PANEL STRAIGHT 200-250V	
K9445RED	3P+N+E	IP44 32A SOCKET PANEL STRAIGHT 400-415V	
K9771BLU	2P+E	IP44 16A PANEL MOUNT ANGLE SOCKET 200-250V	
K9701BLU	2P+E	IP44 16A APPLIANCE INLET 200-250V	
K9733BLU	2P+E	IP44 32A APPLIANCE INLET 200-250V	
K9193YEL	2P+E	IP67 16A SOCKET OUTLET SURFACE SINGLE 100-130V	
K9762BLU	2P+E	IP67 32A SOCKET OUTLET SURFACE SINGLE 200-250V	
K9764RED	3P+N+E	IP67 16A SOCKET OUTLET SURFACE SINGLE 380-415V	
K9765RED	3P+E	IP67 32A SOCKET OUTLET SURFACE SINGLE 380-415V	
K9766RED	3P+N+E	IP67 32A SOCKET OUTLET SURFACE SINGLE 380-415V	

IP44
SPLASHPROOF
100 - 130V
50 - 60 Hz

Plugs

Connectors

Socket Outlets

ANGLED
SURFACE

STRAIGHT
PANEL MOUNTING

IP67 WATERTIGHT
100 - 130V
50 - 60 Hz

Socket Outlets

ANGLED
SURFACE

Amps Pin.
Config-
uration

Earth
Hour
Pos



16 2P+E
32 2P+E

4
4

K9032YEL

K9100YEL
K9132YEL

K9200YEL
K9232YEL

K9400YEL
K9432YEL

K9193YEL

Fitted with
cable entry gland.
BS EN 60309

Fitted with
cable entry gland.
BS EN 60309

16A Top conduit (M20) or
rear cable entry, complete with
blanking plug.
32A Top conduit (M25) or
rear cable entry, complete with
blanking plug.
BS EN 60309

All flanges have the same fixing
centres and outside dimensions
to assist panel builders.
BS EN 60309

Suitable for top entry 2 x Ø25
or bottom entry 2 x Ø20.
BS EN 60309

IP44
SPLASHPROOF
200 - 250V
50 - 60 Hz

Plugs

Connectors

Socket Outlets

ANGLED
SURFACE

STRAIGHT
PANEL
MOUNTING

Amps Pin.
Config-
uration

Earth
Hour
Pos



16 2P+E
16 3P+E
32 2P+E
32 3P+E

6
9
6
9

K9001BLU
K9006BLU
K9033BLU

K9101BLU
K9133BLU

K9201BLU
K9206BLU
K9233BLU
K9236BLU

K9401BLU
K9433BLU

16A/32A Fitted with cable
entry gland.
Thread size M48.
BS EN 60309

16A/32A Fitted with cable
entry gland.
Thread size M48.
BS EN 60309

16A Top conduit (M20) or
rear cable entry, complete with
blanking plug.
32A Top conduit (M25) or
rear cable entry, complete with
blanking plug.
BS EN 60309

16/32A All flanges have
the same fixing centres and
outside dimensions to assist
panel builders.
BS EN 60309

Photographs feature the most representative products.
Design changes may occur (over different current
ratings) from one product to another.

technical hotline +44 (0)1268 563720

ingress protected | wiring devices

IP44
SPLASHPROOF
200 - 250V
50 - 60 Hz

Socket Outlets
ANGLED
PANEL MOUNTING



Appliance Inlets
ANGLED SURFACE



IP67
WATERTIGHT
200 - 250V
50 - 60 Hz

Socket Outlets
ANGLED
SURFACE



IP44
SPLASHPROOF
380 - 415V
50 - 60 Hz

Plugs



Connectors



Amps Pin. Config-uration Earth Hour Pos

16	2P+E	6	K9771BLU	K9701BLU			
16	3P+E	6				K9007RED	K9107RED
16	3P+N+E	6				K9015RED	K9115RED
32	2P+E	6		K9733BLU	K9762BLU		
32	3P+E	6				K9037RED	
32	3P+N+E	6				K9045RED	K9144RED

16/32A new range has different fixing centres to old range.
Old range is available for limited period. See technical section for details.
BS EN 60309

16A Top conduit (M20) or rear cable entry, complete with blanking plug.
32A Top conduit (M25) or rear cable entry, complete with blanking plug.
BS EN 60309

32A Top conduit (M25) or rear cable entry, complete with blanking plug. BS EN 60309

16A/32A Fitted with cable entry gland.
Thread size M48..

16A/32A Fitted with cable entry gland.
Thread size M48..

IP44
SPLASHPROOF
380 - 415V
50 - 60 Hz

Socket Outlets
ANGLED
SURFACE



STRAIGHT
PANEL MOUNTING



IP67
WATERTIGHT
380 - 415V
50 - 60 Hz

Plugs



Connectors



Socket Outlets
ANGLED
SURFACE



Amps Pin. Config-uration Earth Hour Pos

16	3P+E	6	K9207RED				
16	3P+N+E	6	K9215RED				K9764RED
32	3P+E	6	K9237RED				K9765RED
32	3P+N+E	6	K9241RED	K9445RED			K9766RED
63	3P+N+E	6			K9292RED	K9852RED	

16A Top conduit (M20) or rear cable entry, complete with blanking plug.
32A Top conduit (M25) or rear cable entry, complete with blanking plug.

16/32A All flanges have the same fixing centres and outside dimensions to assist panel builders.

Suitable for flexible cable only. 63A and 125A have external clamp.

Suitable for flexible cable only. 63A and 125A have external clamp.

16A Top conduit (M20) or rear cable entry, complete with blanking plug.

32A Top conduit (M25) or rear cable entry, complete with blanking plug.

Photographs feature the most representative products.
Design changes may occur (over different current ratings) from one product to another.

Commando Industrial Plugs and Sockets



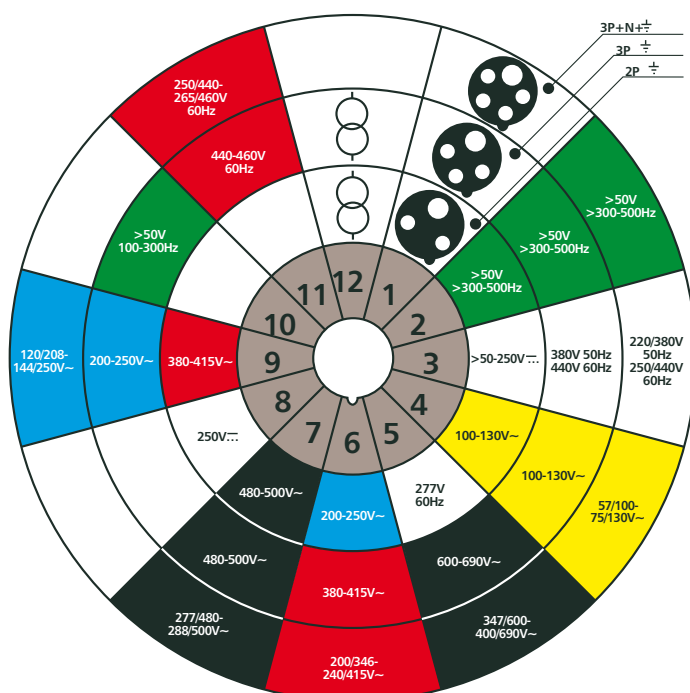
By referring to the chart below, it can be seen that there can be no interchangeability of products as the earth socket tube is placed in a different 'clock' position according to the voltage and frequency. This clock position is determined by looking into a socket-outlet from the front with the key-way at the bottom.

Unless otherwise stated all frequencies are 50-60Hz.

Rating Code

The rating code which is found on the rating label of each accessory gives details of rated current, rated (operating) voltage (or range of voltages), rated frequency (if not 50/60Hz) and a symbol to indicate the position of the earth contact.

(i) For all products the position given is that of the earth pin when a socket-outlet/connector is viewed from the front with the key-way at the bottom. When viewing a plug/appliance inlet from the front with the key at the bottom, the position of the earth pin is reversed, i.e., a 10 o'clock will appear at 2 o'clock and other positions are relative.



Voltage

25
50
100 - 130
200 - 250
346 - 460
500 - 750
>50, 100 - 500Hz

Colour code

Key for symbols

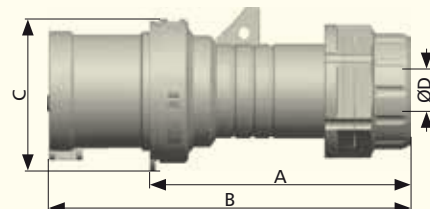
	a.c.
	d.c.
	isolating transformer

technical hotline +44 (0)1268 563720

ingress protected | wiring devices

Plugs 16 and 32 amp

IP44 SPLASHPROOF



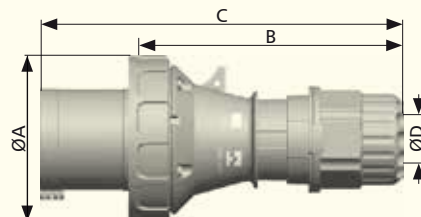
Amps	Pin. Confiuration	100-130V 50-60HZ	200-250V 50-60HZ	380-415V 50-60HZ	Cable Diameter D mm		Terminal Capacity* / mm ²	Dimensions in mm		
		List No 	List No 	List No 	min	max		A	B	C
16A	2P+E		K9001BLU 		8.2	13	1-2.5	132.3	95.5	55.5
16A	3P+E		K9006BLU 	K9007RED 	8.9	15.5	1-2.5	132.3	95.5	61.5
16A	3P+N+E			K9015RED 	10.1	17	1-2.5	132.3	95.5	67.5
32A	2P+E	K9032YEL 	K9033BLU 		11.7	18	2.5-6	135.8	90	72.5
32A	3P+E			K9037RED 	11.7	22	2.5-6	135.8	90	72.5
32A	3P+N+E			K9045RED 	11.1	22	2.5-6	141.8	95.8	79.7

 Earth Hour Position

*Flexible conductors

Plugs 63 and 125 amp

IP67 WATERTIGHT



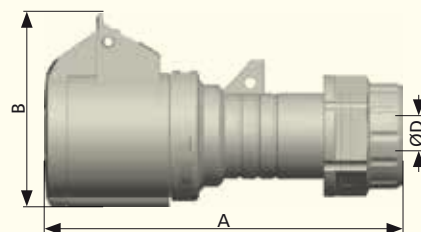
Amps	Pin. Confiuration	100-130V 50-60HZ	200-250V 50-60HZ	380-415V 50-60HZ	Cable Diameter D mm		Terminal Capacity* / mm ²	Dimensions in mm		
		List No 	List No 	List No 	min	max		A	B	C
63A	3P+N+E			K9292RED 	16.5	36	4-16	113	180.8	247.3

 Earth Hour Position

*Flexible conductors

Connectors 16 and 32 amp

IP44 SPLASHPROOF



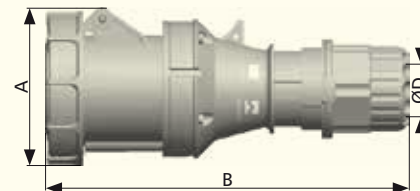
Amps	Pin. Confiuration	100-130V 50-60HZ	200-250V 50-60HZ	380-415V 50-60HZ	Cable Diameter D mm		Terminal Capacity* / mm ²	Dimensions in mm	
		List No 	List No 	List No 	min	max		A	B
16A	2P+E	K9100YEL 	K9101BLU 		8.2	13	1-2.5	142	77.3
16A	3P+E			K9107RED 	8.9	15.5	1-2.5	142	80.8
16A	3P+N+E			K9115RED 	10.1	17	1-2.5	142	90
32A	2P+E	K9132YEL 	K9133BLU 		11.7	18	2.5-6	148	92
32A	3P+N+E			K9144RED 	11.1	22	2.5-6	154	98.5

 Earth Hour Position

*Flexible conductors

Connectors 63 and 125 amp

IP67 WATERTIGHT



Amps	Pin. Configuration	100-130V 50-60HZ	200-250V 50-60HZ	380-415V 50-60HZ	200/346-240/415V 50-60HZ	Cable Diameter D mm		Terminal Capacity* /mm ²	Dimensions in mm		
		List No 	List No 	List No 	List No 	min	max		A	B	C
63A	3P+N+E			K9852RED 		16.5	36	4-16	115.4	266.1	36.4

 Earth Hour Position

*Flexible conductors

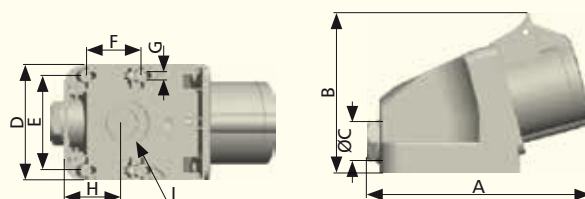
Socket Outlets

Angled Surface Mounting

16 and 32 Amp

TOP CONDUIT OR REAR CABLE ENTRY, COMPLETE WITH BLANKING PLUG

IP44 SPLASHPROOF



Amps	Pin. Configuration	100-130V 50-60HZ	200-250V 50-60HZ	380-415V 50-60HZ	Cable Diameter D mm		Terminal Capacity* /mm ²	Dimensions in mm								
		List No 	List No 	List No 	min	max		A	B	C	D	E	F	G	H	I
16A	2P+E	K9200YEL 	K9201BLU 		8.2	13	1-2.5	138.7	99	20	71	58	34	5	35	Ø19/26
16A	3P+E		K9206BLU 	K9207RED 	8.9	15.5	1-2.5	138.7	101	20	71	58	34	5	35	Ø19/26
16A	3P+N+E			K9215RED 	10.1	17	1-2.5	139.7	105	20	71	58	34	5	35	Ø19/26
32A	2P+E	K9232YEL 	K9233BLU 		11.7	18	2.5-6	150.6	107	25	71	58	34	5	35	Ø19/26
32A	3P+E		K9236BLU 	K9237RED 	11.7	22	2.5-6	150.6	107	25	71	58	34	5	35	Ø19/26
32A	3P+N+E			K9241RED 	11.1	22	2.5-6	151.6	110	25	71	58	34	5	35	Ø19/26

 Earth Hour Position

*Solid or Stranded conductors

Socket Outlets

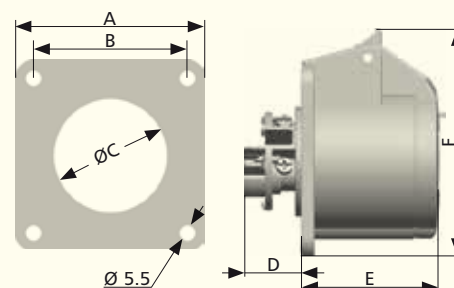
Straight Panel Mounting

16 and 32 Amp

ALL FLANGES HAVE THE SAME FIXING CENTRES AND OUTSIDE DIMENSIONS TO ASSIST PANEL BUILDING. SEE BELOW FOR MINIMISED FLANGE OPTION.

IP44 SPLASHPROOF

Note: Fixing centres differ from old range



Amps	Pin. Configuration	100-130V 50-60HZ	200-250V 50-60HZ	380-415V 50-60HZ	Cable Diameter D mm		Terminal Capacity* /mm ²	Dimensions in mm					
		List No 	List No 	List No 	min	max		A	B	C	D	E	F
16A	2P+E	K9400YEL 	K9401BLU 		8.2	13	1-2.5	70	56	41	20.9	50	83
32A	2P+E	K9432YEL 	K9433BLU 		11.7	18	2.5-6	70	56	55	26.5	60.4	92
32A	3P+N+E			K9445RED 	11.1	22	2.5-6	70	56	55	26.5	60.4	98.5

 Earth Hour Position

*Solid or Stranded conductors

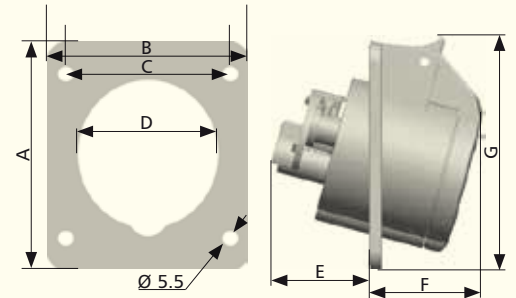
technical hotline +44 (0)1268 563720

ingress protected | wiring devices

Socket Outlets Angled Panel Mounting 16 and 32 amp

IP44 SPLASHPROOF

Note: Fixing centres differ from old range



Amps	Pin. Configuration	100-130V 50-60HZ	200-250V 50-60HZ	380-415V 50-60HZ	Cable Diameter D mm		Terminal Capacity* /mm ²	Dimensions in mm						
		List No 	List No 	List No 	min	max		A	B	C	D	E	F	G
16A	2P+E		K9771BLU 6		8.2	13	1-2.5	84	74	60	51.2	36	41	85.6

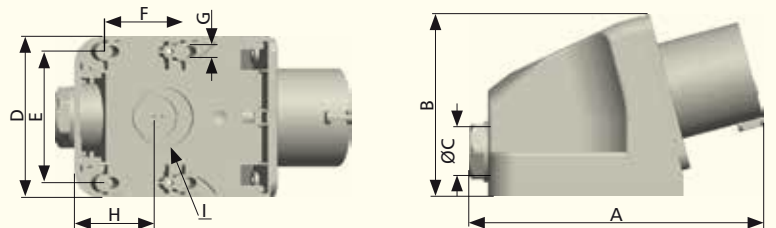
 Earth Hour Position

*Solid or Stranded conductors

Splashproof Appliance Inlets Angled Surface Mounting 16 and 32 Amp

TOP CONDUIT OR REAR CABLE ENTRY, COMPLETE WITH BLANKING PLUG

IP44 SPLASHPROOF



Amps	Pin. Configuration	100-130V 50-60HZ	200-250V 50-60HZ	380-415V 50-60HZ	Cable Diameter D mm		Terminal Capacity* /mm ²	Dimensions in mm								
		List No 	List No 	List No 	min	max		A	B	C	D	E	F	G	H	I
16A	2P+E		K9701BLU 6		8.2	13	1-2.5	130.8	80	20	71	58	34	5	35	Ø19/26
32A	2P+E		K9733BLU 6		11.7	18	2.5-6	142.3	86	25	71	58	34	5	35	Ø19/26

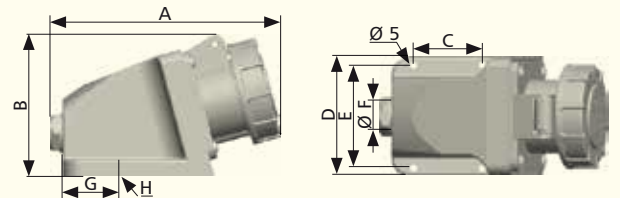
 Earth Hour Position

*Solid or Stranded conductors

Socket Outlets Surface Mounting 16 and 32 Amp

SUITABLE FOR TOP ENTRY

IP67 WATERTIGHT



Amps	Pin. Configuration	100-130V 50-60HZ	200-250V 50-60HZ	380-415V 50-60HZ	Cable Diameter D mm		Terminal Capacity* /mm ²	Dimensions in mm							
		List No 	List No 	List No 	min	max		A	B	C	D	E	F	G	H
16A	2P+E	K9193YEL 4			8.2	13	1-2.5	158.5	96.5	47	81	70	20	40	Ø23
16A	3P+N+E			K9764RED 6	10.1	17	1-2.5	161	101.6	47	81	70	20	40	Ø23
32A	2P+E		K9762BLU 6		11.7	18	2.5-6	172.9	108	47	81	70	25	40	Ø23
32A	3P+E			K9765RED 6	11.7	22	2.5-6	172.9	108	47	81	70	25	40	Ø23
32A	3P+N+E			K9766RED 6	11.1	22	2.5-6	173.8	111.5	47	51	70	25	40	Ø23

 Earth Hour Position

*Solid or Stranded conductors

MK Electric

UK

The Arnold Centre, Paycocke Road, Basildon,
Essex, SS14 3EA, United Kingdom

Customer Service Tel +44 (0)1268 563404

Customer Service Fax +44 (0)1268 563405

E-mail mkorderenquiries@honeywell.com

Technical

Tech Helpline Tel +44 (0)1268 563720

Tech E-mail mk.technical@honeywell.com

Ireland

Sales Telephone +353 1 429 6530

Sales Fax +353 1 429 6501

E-mail mkirelandorders@honeywell.com

www.mkelectric.co.uk



Download the new
App from MK Electric.

