



**ELECTRICAL INDUSTRIES**



2011 general catalogue 2012

**FPB Palazzoli**

# WEATHERTIGHT METAL CLAD RANGE



# **WEATHERTIGHT METAL CLAD RANGE**

When the going gets tough choose... Weathertight  
Designed & manufactured to withstand the most arduous conditions, & endure long operational life.

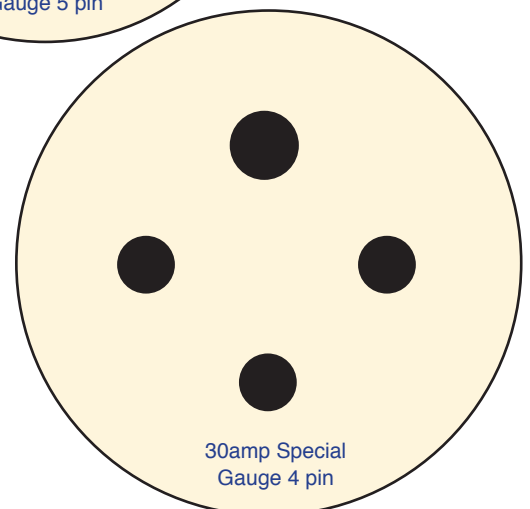
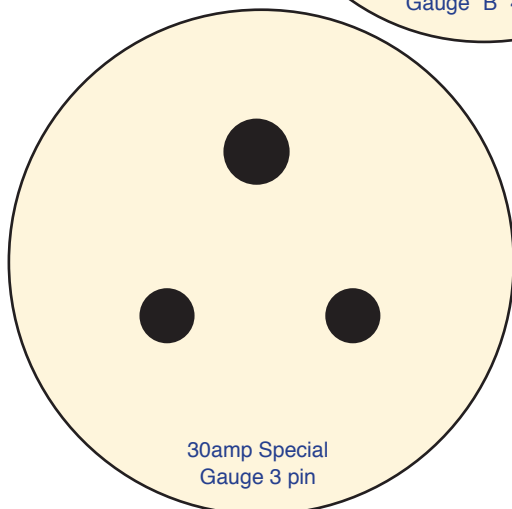
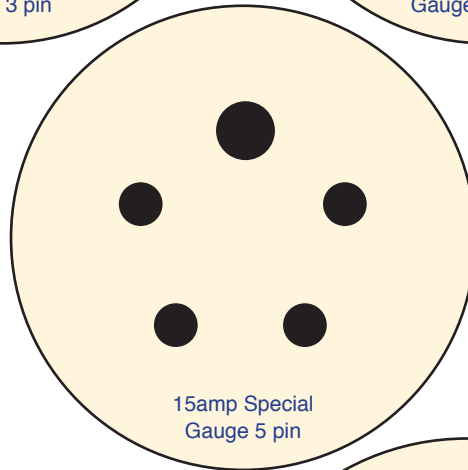
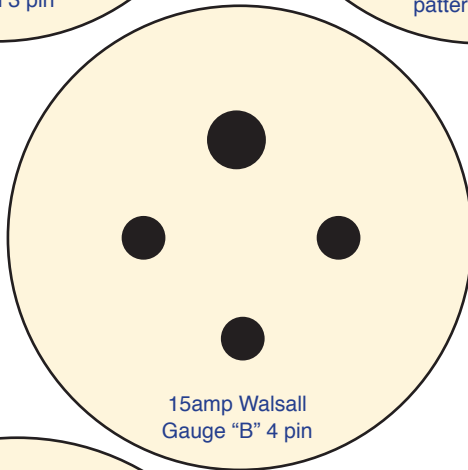
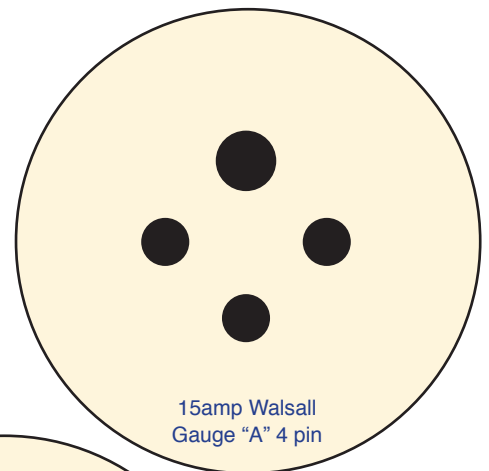
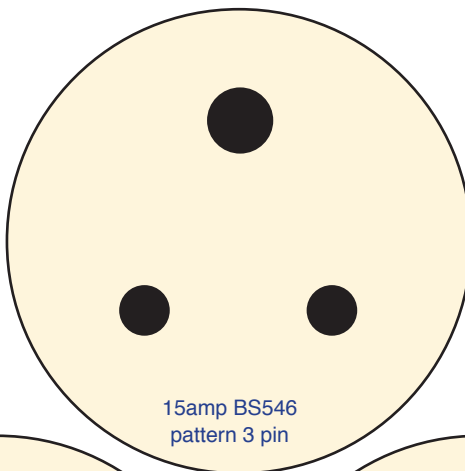
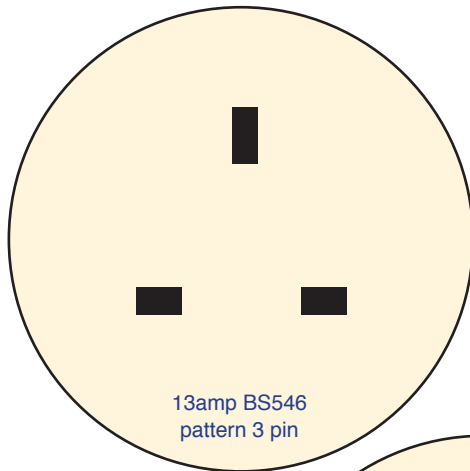
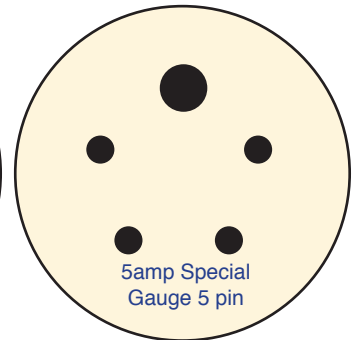
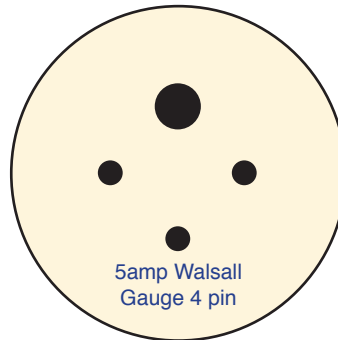
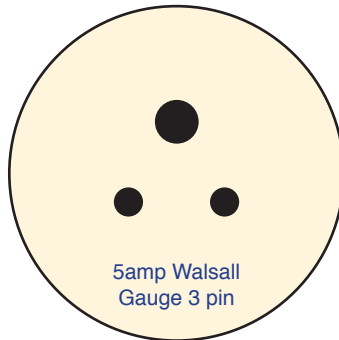
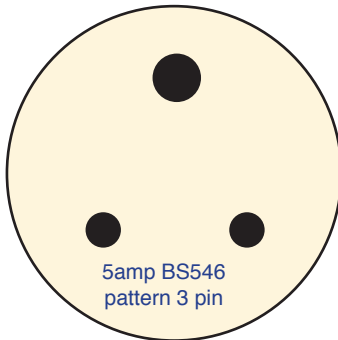
## **METAL WEATHERTIGHT RANGE**

- A selection of metal clad plugs & socket outlets ranging from 5 to 30A ratings
- Suitable for operating voltages up to 415VAC
- Heavy duty die cast mazak construction offered in either painted or self colour finishes, & suitable for use in arduous environmental conditions
- Varying product designs in compliance with either BS1363, BS546, or Walsall type A & B pin configurations
- IP66 ingress protection rating
- Designed primarily for installation with metal conduit systems

# WEATHERTIGHT METAL CLAD RANGE

## TEMPLATE OF GAUGES

These drawings are a 1:1 scale representation of the contact positions & layout for each gauge type



# WEATHERTIGHT METAL CLAD RANGE

## 13A PLUGS & SOCKETS

<b>Conformity to Standards:</b>	BS 1363	BS1362 (FUSE)	<b>Temperature resistance:</b>	Operating	-25 to +50°C
	IEC 60947-3			Storage	-30 to +70°C
Plug and sockets:	BS EN 60529	IEC 60529	<b>Cable entry</b>	Plug and Switch & Socket: M25 Threaded entry	
	BSI - Lic. No. KM 38043; Mod. Doc. 1097			Socket: M20 Threaded entry	
<b>Impact resistance:</b>	>IK 06 (see note)		<b>Connecting sections of the wires</b>	Plug:	min: 0.5 max: 1.5mm <sup>2</sup>
<b>Glow wire test:</b>	850°C insert			Socket:	up to 3x2.5mm <sup>2</sup> stranded/solid or 2x4mm <sup>2</sup> stranded
<b>Breaker category:</b>	AC21A/AC22A				

## METAL/MOULDED - 13A BS1363 PLUGS

IP66 Watertight plug - Cable entry - angled

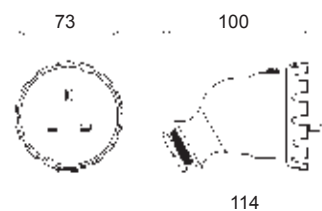


A	TYPE	FINISH	GAUGE	 1P+N+E
13	Plug	Painted metallic	BS1363	PD1327PN

This product incorporates a metal body shell with a plastic moulded locking ring & cable gland



Approved by BSI  
Licence No. KM: 38043  
Pending



## ALL METAL CONSTRUCTION - 13A BS1363 PLUGS

IP66 Watertight plug - Cable entry - angled

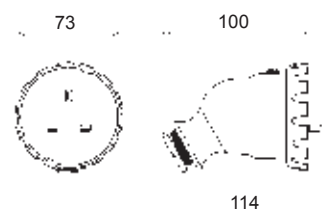


A	TYPE	FINISH	GAUGE	 1P+N+E
13	Plug	Painted metallic	BS1363	PD1327PAM

This product is of all metal construction, including the locking ring & cable gland



Approved by BSI  
Licence No. KM: 38043  
Pending




# WEATHERTIGHT METAL CLAD RANGE

## METAL - 13A BS1363 SOCKETS AND SWITCHED SOCKETS


IP66 Watertight - Round surface socket terminal/through

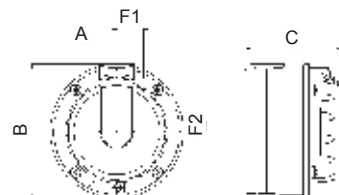


Metal body with a plastic moulded socket cap & cable entry and blanking plug

A	TYPE	FINISH	GAUGE	 1P+N+E
13	Socket	Painted metallic	BS1363	PD1322SN

All metal construction including socket cap and cable entry blanking plug


A	TYPE	FINISH	GAUGE	 1P+N+E
13	Socket	Painted metallic	BS1363	PD1322SAM



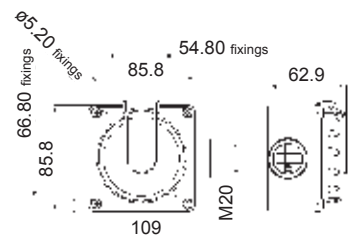
IP66 Watertight – Square surface socket terminal/through



All metal construction

A	TYPE	FINISH	GAUGE	 1P+N+E
13	Socket	Painted metallic	BS1363	PDSQ1322SAM

Surface mounted box can be installed vertically or horizontally



IP66 Watertight - Switch and socket outlet



Metal body with a plastic moulded socket cap, switch handle & cable entry blanking plug

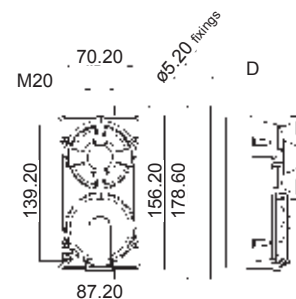
A	TYPE	FINISH	GAUGE	 1P+N+E
13	Switch & Socket	Painted metallic	BS1363	PD1327N

Surface mounted box can be installed vertically or horizontally

All metal construction including socket cap, switch handle & cable entry blanking plug

A	TYPE	FINISH	GAUGE	 1P+N+E
13	Switch & Socket	Painted metallic	BS1363	PD1327SAM

Switch type - 2 pole supplied unwired between switch & socket  
Switch handle arranged to mechanically prevent the plug from being inserted or withdrawn in the 'on' position  
All products feature a bayonet style socket cap with 180° opening  
Switch knob can be padlocked



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Pending

# WEATHERTIGHT METAL CLAD RANGE

## ROUND PIN PLUGS & SOCKETS

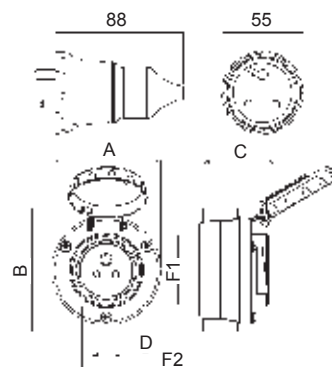
<b>Conformity to Standards:</b>	BS546 / Walsall / Special	IEC 60529	<b>Temperature resistance:</b>	Operating	-25 to +50°C
	BS EN 60529		Storage	-30 to +70°C	
	BS EN 60947-3 (15A)				
<b>Protection Rating:</b>	IP66		<b>Cable entry</b>	5A Plug:	M20 Threaded entry
<b>Impact resistance:</b>	>IK 06			15 & 30A Plugs & Switch Sockets:	M25 Threaded entry
<b>Glow wire test:</b>	850°C insert		<b>Connecting sections of the wires</b>	Unswitched Sockets:	M20 Threaded entry
<b>Breaker category:</b>	AC21A/AC22A			5A & 15A:	max: 4mm <sup>2</sup>
				30A:	max: 6mm <sup>2</sup>

IP66 Watertight round surface socket terminal/ through & plugs to suit



All metal construction

A	SOCKET ARR.	GAUGE	PLUG	SOCKET
5	2P+E	BS546	PD213/3PAM	PD213/3SAM
	2P+E	Walsall	PD84/3PAM	PD84/3SAM
	3P+E	Walsall	PD84/4PAM	PD84/4SAM
	3P+N+E	Special	PD84/5PAM	PD84/5SAM

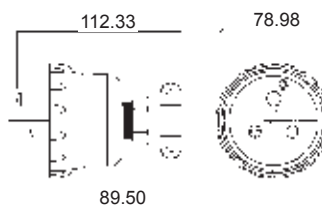


A	SOCKET ARR.	GAUGE	PLUG	SOCKET
15	2P+E	BS546	PD160/3PAM	PD160/3SAM
	3P+E	Walsall B	PD160/4BPAM	PD160/4BSAM
	3P+N+E	Special	PD160/5PAM	PD160/5SAM

(A)	mm.				
	A	B	C	F1	F2
5	77	87.5	55	34	24.5
15	95	95	68	70	16.5
30	95	95	76.5	70	16.5



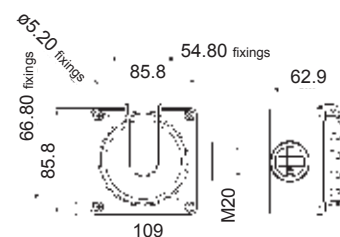
A	SOCKET ARR.	GAUGE	PLUG	SOCKET
30	2P+E	Special	PD930/3PAM	PD930/3SAM
	3P+E	Special	PD930/4PAM	PD930/4SAM



IP66 Watertight square surface socket terminal/ through & plug to suit



A	SOCKET ARR.	GAUGE	PLUG	SOCKET
15	2P+E	BS546	PDSQ160/3PAM	PDSQ160/3SAM



# WEATHERTIGHT METAL CLAD RANGE

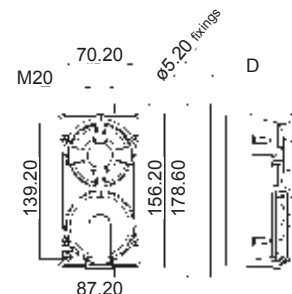
## METAL - ROUND PIN SWITCH SOCKETS

IP66 Watertight switch and socket



Metal body with moulded socket cap, switch handle & cable entry blanking plug

A	SOCKET ARR.	GAUGE	PLUG	SOCKET
15	2P+E	BS546	PD230PN	PD230SN



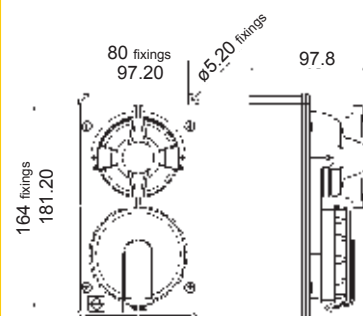
IP66 Watertight switch and socket outlet



All metal construction, including socket cap, switch handle & cable entry blanking plug

A	SOCKET ARR.	GAUGE	PLUG	SOCKET
15	2P+E	BS546	PD230PAM	PD230SAM
	3P+E	Walsall B	PD998BPAM	PD998HBSAM
	3P+N+E	Special	PD999PAM	PD999SAM

A	SOCKET ARR.	GAUGE	PLUG	SOCKET
30	2P+E	Special	PD30/3PAM	PD30/3SAM
	3P+E	Special	PD30/4PAM	PD30/4SAM



Notes for all products:

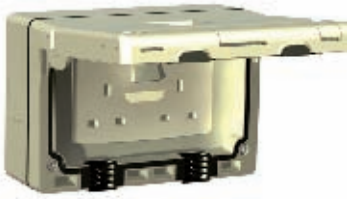
- Switch handle is mechanically arranged to prevent the plug from being inserted or withdrawn in the 'on' position
- Supplied unwired between switch & socket
- All products feature a bayonet style socket cap with 180° opening
- 2P+E products feature a 2pole switch
- 3P+E & 3P+N+E products feature a 4pole switch

# WEATHERTIGHT METAL CLAD RANGE

## MIGHTYSEAL

### IP66 Watertight switch socket

- Heavy duty metal construction
- Plain undrilled sides
- Lid can be locked by lever operation, featuring 2 padlocking points
- IP66 ingress protection with or without plug inserted

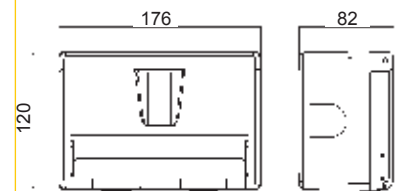


TYPE	SOCKET ARRANGEMENT	CODE
13A 2gang switched socket 230VAC	BS1363	PD1366DS
13A 2gang switched socket with 230VAC neons	BS1363	PD1366DS-NEON
13A 2gang socket with 30mA RCD protection 230VAC	BS1363	PDRCD1366DS
13A 1gang socket with 45A 2pole switch & neon 230VAC	BS1363	PD1366/45SWT-NEON



- Type X switches are fully rated for fluorescent load operation
- Switches comply to BS EN 60669-1

TYPE	SOCKET ARRANGEMENT	CODE
4gang 10A switch 230VAC	1way type X	PDSWT1366/4
6gang 10A switch 230VAC	1way type X	PDSWT1366/6



Further combinations available, contact Custom Build for more information

# WEATHERTIGHT METAL CLAD RANGE

## SWITCHES

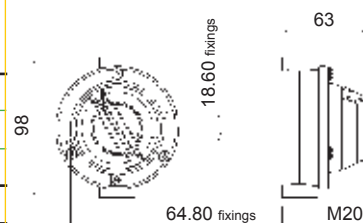
<b>Conformity to Standards:</b>	IEC 60669-1 (Sw. 10A)	IEC60947-3 (Sw. 20A+)	<b>Breaking Capacity:</b>	10A X-rated	20 & 30A: AC21A / AC22A
	BS60947-5 (Bell Sw.)	IEC 60529	<b>Temperature resistance:</b>	Operating	- 25 to +50°C
<b>Protection rating:</b>	IP66			Storage	-30 to +70°C
<b>Impact resistance:</b>	>IK 06 (See note)		<b>Cable entry</b>	M20 threaded entry	
<b>Glow wire test:</b>	850°C insert		<b>Connecting sections of the wires</b>	10A	min: 1 max: 1.5mm <sup>2</sup>
<b>Self extinguishing:</b>	n/a			20A	min: 1.5 max: 4 mm <sup>2</sup>

## METAL - SWITCHES & BELL PUSH

IP66 Watertight metal clad switches - round body – 1 Gang



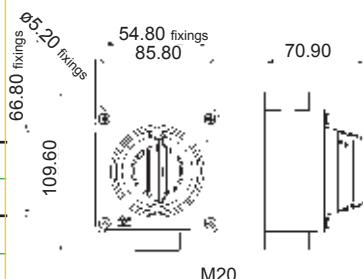
A	GANGS	WAYS	CONDUIT ARRANGEMENT	TYPE 1	TYPE 2
10	1	1	Terminal/ Thru	PD145/NP	PD145/K
	1	2	Terminal/ Thru	PD145/2NP	PD145/2K
	1	Intermediate	Terminal/ Thru	PD236NP	PD236K
20	1	2	Terminal/ Thru	PD219/2NP	PD219/2AM
30	1	1	Terminal/ Thru	PD319NP	PD319AM



IP66 Watertight metal clad switches – square body – all metal construction – 1 Gang



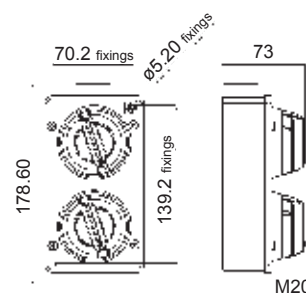
A	GANGS	WAYS	CONDUIT ARRANGEMENT	CODE
10	1	1	Terminal/ Thru	PDSQ145AM
	1	2	Terminal/ Thru	PDSQ145/2AM
20	1	1	Terminal/ Thru	PDSQ219AM
	1	2	Terminal/ Thru	PDSQ219/2AM



IP66 Watertight metal clad switches - rectangular body – 2 Gang



A	GANGS	WAYS	CONDUIT ARRANGEMENT	TYPE 1	TYPE 2
10	2	1	Terminal/ Thru	PD173NP	PD173K
	2	2	Terminal/ Thru	PD173/2NP	PD173/2K
20	2	1	Terminal/ Thru	PD229N	PD229AM
	2	2	Terminal/ Thru	PD229/2NP	PD229/2AM
30	2	1	Terminal/ Thru	PD329NP	PD329AM



- Type 1 switches feature a metal body shell with a plastic moulded switch handle & cable entry blanking plug
- Type 2 switches are of all metal construction
- All switches are single pole
- Finish is painted metallic

# WEATHERTIGHT METAL CLAD RANGE

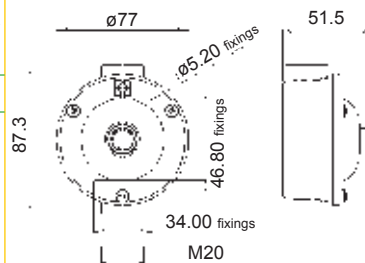
## IP66 Watertight bell push



All metal construction with plastic moulded operating knob & cable entry blanking plug

CODE	PD1383NN
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This bell push is designed for use on A.C mains supply only. It incorporates a rubber diaphragm which moves with the operating knob & is firmly secured between the box & the lid. Contacts are rated 10amps at 600V ac & are momentary.

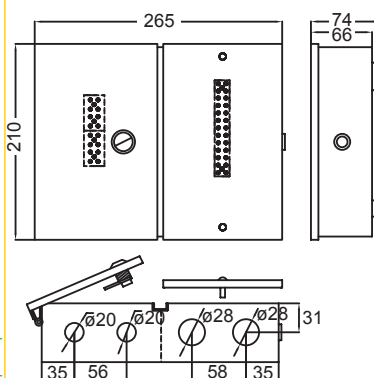


## Marshalling box

- Enclosure manufactured from galvanised steel plate with dark grey hammer finish
- Featuring two separate terminal compartments with interconnecting cable routing channel
- The left hand compartment is equipped with an 8 pole screw clamp terminal block rated at 32A 400V, and accepting 4mmsq conductors. This compartment is arranged with a key lockable hinged cover with sealing gasket
- The right hand compartment is equipped with a 16 pole screw clamp terminal block rated at 24A 400V, and accepting 2.5mmsq conductors. This compartment is arranged with a screwed detachable cover with sealing gasket
- The right hand compartment is also furnished with a 3 way chassis mount jack socket 6.35mm (1/4 inch)



Marshalling box with Jack socket	MO3346
Marshalling box without Jack socket	MO5965





Dealer's stamp



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