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Solutions for all domestic, commercial and industrial installations



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# Plugs

The ISO range of plugs are available as a straight plug and an angled plug (three phase versions only). The range of straight plugs is also available in Resistant Orange (RO) material.

## Straight plugs



Current	Voltage Rating	Pin Arrangement	Colour	Catalogue No.
10 A	250 V	3 Flat pins	Electric Orange	ISOPS310P
			Resistant Orange	ISOPS310PRO
10 A	250 V	2 Flat pins 1 round earth	Electric Orange	ISOPS310LP
			Resistant Orange	ISOPS310LPRO
15 A	250 V	3 Flat pins	Electric Orange	ISOPS315P
			Resistant Orange	ISOPS315PRO
20 A	250 V	3 Flat pins	Electric Orange	ISOPS320FP
			Resistant Orange	ISOPS320FPRO
20 A	250 V	3 Round pins	Electric Orange	ISOPS320P
			Resistant Orange	ISOPS320PRO
32 A	250 V	3 Round pins	Electric Orange	ISOPS332P
			Resistant Orange	ISOPS332PRO
10 A	500 V	4 Round pins	Electric Orange	ISOPS410P
			Resistant Orange	ISOPS410PRO
20 A	500 V	4 Round pins	Electric Orange	ISOPS420P
			Resistant Orange	ISOPS420PRO
32 A	500 V	4 Round pins	Electric Orange	ISOPS432P
			Resistant Orange	ISOPS432PRO
40 A	500 V	4 Round pins	Electric Orange	ISOPS440P
			Resistant Orange	ISOPS440PRO
50 A	500 V	4 Round pins	Electric Orange	ISOPS450P
			Resistant Orange	ISOPS450PRO
10 A	500 V	5 Round pins	Electric Orange	ISOPS510P
			Resistant Orange	ISOPS510PRO
20 A	500 V	5 Round pins	Electric Orange	ISOPS520P
			Resistant Orange	ISOPS520PRO
32 A	500 V	5 Round pins	Electric Orange	ISOPS532P
			Resistant Orange	ISOPS532PRO
40 A	500 V	5 Round pins	Electric Orange	ISOPS540P
			Resistant Orange	ISOPS540PRO
50 A	500 V	5 Round pins	Electric Orange	ISOPS550P
			Resistant Orange	ISOPS550PRO

## Angled plugs



Current	Voltage Rating	Pin Arrangement	Colour	Catalogue No.
20 A	500 V	4 Round pins	Electric Orange	ISOPA420P
32 A	500 V	4 Round pins	Electric Orange	ISOPA432P
40 A	500 V	4 Round pins	Electric Orange	ISOPA440P
50 A	500 V	4 Round pins	Electric Orange	ISOPA450P
20 A	500 V	5 Round pins	Electric Orange	ISOPA520P
32 A	500 V	5 Round pins	Electric Orange	ISOPA532P
40 A	500 V	5 Round pins	Electric Orange	ISOPA540P
50 A	500 V	5 Round pins	Electric Orange	ISOPA550P

## Switched socket outlets

The ISO range of combination switched socket outlets are available in single phase and three phase versions. Covering a large current range 10 A to 50 A, the range is available in Grey (G) and Resistant Orange (RO) and Resistant White (RW) material.

### Switched Socket Outlets

Current	Voltage Rating	Pin Arrangement	Colour	Catalogue No.
10 A	250 V	3 Flat pins	Grey	ISOC310PG
			Grey (with 63mm base)	ISOC310PGDB
			Resistant Orange	ISOC310PRO
			Resistant White	ISOC310PRW
10 A	250 V	2 Flat pins. 1 Round earth	Grey	ISOC310LPG
			Resistant Orange	ISOC310LPRO
			Resistant White	ISOC310LPRW
15 A	250 V	3 Flat pins	Grey	ISOC315PG
			Grey (with 63mm base)	ISOC315PGDB
			Resistant Orange	ISOC315PRO
			Resistant White	ISOC315PRW
20 A	250 V	3 Flat pins	Grey	ISOC320FPG
			Resistant Orange	ISOC320FPRO
			Resistant White	ISOC320FPRW
20 A	250 V	3 Round pins	Grey	ISOC320PG
			Resistant Orange	ISOC320PRO
32 A	250 V	3 Round pins	Grey	ISOC332PG
			Resistant Orange	ISOC332PRO
10 A	500 V	4 Round pins	Grey	ISOC410PG
			Resistant Orange	ISOC410PRO
			Resistant White	ISOC410PRW
20 A	500 V	4 Round pins	Grey	ISOC420PG
			Resistant Orange	ISOC420PRO
			Resistant White	ISOC420PRW
32 A	500 V	4 Round pins	Grey	ISOC432PG
			Resistant Orange	ISOC432PRO
			Resistant White	ISOC432PRW
40 A	500 V	4 Round pins	Grey	ISOC440PG
			Resistant Orange	ISOC440PRO
50 A	500 V	4 Round pins	Grey	ISOC450PG
			Resistant Orange	ISOC450PRO
10 A	500 V	5 Round pins	Grey	ISOC510PG
			Resistant Orange	ISOC510PRO
			Resistant White	ISOC510PRW
20 A	500 V	5 Round pins	Grey	ISOC520PG
			Resistant Orange	ISOC520PRO
			Resistant White	ISOC520PRW
32 A	500 V	5 Round pins	Grey	ISOC532PG
			Resistant Orange	ISOC532PRO
			Resistant White	ISOC532PRW
40 A	500 V	5 Round pins	Grey	ISOC540PG
			Resistant Orange	ISOC540PRO
50 A	500 V	5 Round pins	Grey	ISOC550PG
			Resistant Orange	ISOC550PRO



## Switches

The ISO range of surface switches are available with or without a back box providing the user flexibility to mix and match units as required. All units have certified AC23 and M ratings and comply with protection rating IP 66 when used in conjunction with a back box. Switches are available with and without a back box in Grey (G) and without the back box in Resistant Orange (RO) and Resistant White (RW) material.

### Surface switches (Including back box)



Current	Voltage Rating	No. of Switching Poles	AC-23A Rating	M Rating	Colour	Catalogue No.
10 A	250 V	2	10 A	M100	Grey	ISOSW110PG
					Grey (with 63mm base)	ISOSW110PGDB
10 A	250 V	1 (2 way)	10 A	M100	Grey	ISOSW1102PG
					Grey	ISOSW115PG
15 A	250 V	2	15 A	M100	Grey	ISOSW115PG
					Grey (with 63mm base)	ISOSW115PGDB
20 A	250 V	2	20 A	M150	Grey	ISOSW120PG
32 A	250 V	2	32 A	M180	Grey	ISOSW132PG
10 A	500 V	3	10 A	M100	Grey	ISOSW310PG
					Grey	ISOSW320PG
20 A	500 V	3	20 A	M150	Grey	ISOSW320PG
					Grey	ISOSW332PG
32 A	500 V	3	32 A	M180	Grey	ISOSW332PG
					Grey	ISOSW340PG
40 A	500 V	3	40 A	M200	Grey	ISOSW340PG
					Grey	ISOSW350PG
50 A	500 V	3	50 A	M200	Grey	ISOSW350PG
					Grey	ISOSW420PG
20 A	500 V	4	20 A	M150	Grey	ISOSW420PG
					Grey	ISOSW432PG
32 A	500 V	4	32 A	M180	Grey	ISOSW432PG
					Grey	ISOSW440PG
40 A	500 V	4	40 A	M180	Grey	ISOSW440PG
					Grey	ISOSW440PG

# Switches

## Surface switches (Less back box)



Current	Voltage Rating	No. of Switching Poles	AC-23A Rating	M Rating	Colour	Catalogue No.
10 A	250 V	2	10 A	M100	Grey	ISOSW110PGLB
					Resistant Orange	ISOSW110PROLB
					Resistant White	ISOSW110PRWLB
10 A	250 V	1 (2 way)	10 A	M80	Grey	ISOSW1102PGLB
					Resistant Orange	ISOSW1102PRO
					Resistant White	ISOSW1102PRW
15 A	250 V	2	15 A	M100	Grey	ISOSW115PGLB
					Resistant Orange	ISOSW115PROLB
					Resistant White	ISOSW115PRWLB
20 A	250 V	2	20 A	M150	Grey	ISOSW120PGLB
					Resistant Orange	ISOSW120PROLB
32 A	250 V	2	32 A	M180	Grey	ISOSW132PGLB
					Resistant Orange	ISOSW132PROLB
10 A	500 V	3	10 A	M100	Grey	ISOSW310PGLB
					Resistant Orange	ISOSW310PROLB
					Resistant White	ISOSW310PRWLB
16 A	500 V	3	16 A	M100	Grey	ISOSW316PGLB
					Resistant Orange	ISOSW316PROLB
					Resistant White	ISOSW316PRWLB
20 A	500 V	3	20 A	M150	Grey	ISOSW320PGLB
					Resistant Orange	ISOSW320PROLB
					Resistant White	ISOSW320PRWLB
32 A	500 V	3	32 A	M180	Grey	ISOSW332PGLB
					Resistant Orange	ISOSW332PROLB
					Resistant White	ISOSW332PRWLB
40 A	500 V	3	40 A	M200	Grey	ISOSW340PGLB
					Resistant Orange	ISOSW340PROLB
50 A	500 V	3	50 A	M200	Grey	ISOSW350PGLB
					Resistant Orange	ISOSW350PROLB
20 A	500 V	4	20 A	M150	Grey	ISOSW420PGLB
					Resistant Orange	ISOSW420PROLB
					Resistant White	ISOSW420PRWLB
32 A	500 V	4	32 A	M180	Grey	ISOSW432PGLB
					Resistant Orange	ISOSW432PROLB
					Resistant White	ISOSW432PRWLB
40 A	500 V	4	40 A	M180	Grey	ISOSW440PGLB
					Resistant Orange	ISOSW440PROLB
					Resistant White	ISOSW440PRWLB



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## ISO Keyed Switches

The ISO key operated switches are available in 2 and 3 pole versions, covering a current range of 20-50A. The product range is available in two main colours, Standard Grey (G) and Resistant Orange (RO). Switch models include options with key retained in only the 'OFF' position and others where key is retained in both the ON/OFF positions.

For common key switches, replace **K** with **KC** in the part number. Please specify the part number, quantity and key combination via this order form.



### Keyed Surface switches (Including back box)

Current	Voltage Rating	AC-23A Rating	M Rating	Colour	Locking (Position)	Catalogue No.
20	250	20	M150	Grey	K1 = OFF Only	ISOK1SW120PG
32	250	32	M180	Grey	K1 = OFF Only	ISOK1SW132PG
20	250	20	M150	Grey	K2 = ON/OFF	ISOK2SW120PG
32	250	32	M180	Grey	K2 = ON/OFF	ISOK2SW132PG
20	500	20	M150	Grey	K1 = OFF Only	ISOK1SW320PG
20	500	20	M150	Grey	K2 = ON/OFF	ISOK2SW320PG
32	500	32	M180	Grey	K1 = OFF Only	ISOK1SW332PG
32	500	32	M180	Grey	K2 = ON/OFF	ISOK2SW332PG
50	500	50	M200	Grey	K1 = OFF Only	ISOK1SW350PG
50	500	50	M200	Grey	K2 = ON/OFF	ISOK2SW350PG

### Keyed Surface switches (Less back box)

Current	Voltage Rating	AC-23A Rating	M Rating	Colour	Locking (Position)	Catalogue No.
20	250	20	M150	Grey	K1 = OFF Only	ISOK1SW120PGLB
			M150	Resistant Orange	K1 = OFF Only	ISOK1SW120PROLB
32	250	32	M180	Grey	K1 = OFF Only	ISOK1SW132PGLB
			M180	Resistant Orange	K1 = OFF Only	ISOK1SW132PROLB
20	250	20	M150	Grey	K2 = ON/OFF	ISOK2SW120PGLB
			M150	Resistant Orange	K2 = ON/OFF	ISOK2SW120PROLB
32	250	32	M180	Grey	K2 = ON/OFF	ISOK2SW132PGLB
			M180	Resistant Orange	K2 = ON/OFF	ISOK2SW132PROLB
20	500	20	M150	Grey	K1 = OFF Only	ISOK1SW320PGLB
			M150	Resistant Orange	K1 = OFF Only	ISOK1SW320PROLB
20	500	20	M150	Grey	K2 = ON/OFF	ISOK2SW320PGLB
			M150	Resistant Orange	K2 = ON/OFF	ISOK2SW320PROLB
32	500	32	M180	Grey	K1 = OFF Only	ISOK1SW332PGLB
			M180	Resistant Orange	K1 = OFF Only	ISOK1SW332PROLB
32	500	32	M180	Grey	K2 = ON/OFF	ISOK2SW332PGLB
			M180	Resistant Orange	K2 = ON/OFF	ISOK2SW332PROLB
50	500	50	M200	Grey	K1 = OFF Only	ISOK1SW350PGLB
			M200	Resistant Orange	K1 = OFF Only	ISOK1SW350PROLB
50	500	50	M200	Grey	K2 = ON/OFF	ISOK2SW350PGLB
			M200	Resistant Orange	K2 = ON/OFF	ISOK2SW350PROLB



# Common Keyed Switch Order Form



## NHP ISO Key Operated Switch – Common key| Custom Order Form

CUSTOMER DETAILS		CUSTOMER SERVICE ONLY	
Company Name		Purchase Order Number	
Company Contact		NHP Sales Order Number	
Contact Number		NHP Sales Representative	
Email Address		Date	

### ORDERING INSTRUCTIONS

**Step 1:** Fill in the Catalogue No.

**Step 2:** Advise the quantity of common key switches required.

**Step 3:** Advise common key combination required (001-200) \*

*\*The common key refers to a universal key to suit all common key outlets. The key number is a three-digit number ranging from 001-200.*

1. CAT NO.	2. QUANTITY	3. KEY COMBO		
EXAMPLE ISOKC1SW120PG	2	0	5	1



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## Socket outlets

The ISO range of socket outlets are available with or without a back box providing the user with flexibility to mix and match units as required. Complies with protection rating IP 66 when used with a back box. Sockets are available with and without a back box in Grey (G) and without the back box in Resistant Orange (RO) and Resistant White (RW) material.



### Socket outlets (Including back box)

Current	Voltage Rating	Pin Arrangement	Colour	Catalogue No.
10 A	250 V	3 Flat pins	Grey	ISOSO310PG
15 A	250 V	3 Flat pins	Grey	ISOSO315PG
10 A	250 V	2 Flat pins 1 round earth	Grey	ISOSO310LPG
20 A	250 V	3 Flat pins	Grey	ISOSO320FPG
20 A	250 V	3 Round pins	Grey	ISOSO320PG
32 A	250 V	3 Round pins	Grey	ISOSO332PG
10 A	500 V	4 Round pins	Grey	ISOSO410PG
20 A	500 V	4 Round pins	Grey	ISOSO420PG
32 A	500 V	4 Round pins	Grey	ISOSO432PG
40 A	500 V	4 Round pins	Grey	ISOSO440PG
50 A	500 V	4 Round pins	Grey	ISOSO450PG
10 A	500 V	5 Round pins	Grey	ISOSO510PG
20 A	500 V	5 Round pins	Grey	ISOSO520PG
32 A	500 V	5 Round pins	Grey	ISOSO532PG
40 A	500 V	5 Round pins	Grey	ISOSO540PG
50 A	500 V	5 Round pins	Grey	ISOSO550PG

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# Socket outlets

## Socket Outlets (Less Back Box)



Current	Voltage Rating	Pin Arrangement	Colour	Catalogue No.
10 A	250 V	3 Flat pins	Grey	ISOSO310PGLB
			Resistant Orange	ISOSO310PROLB
			Resistant White	ISOSO310PRWLB
10 A	250 V	2 Flat pins 1 Round earth	Grey	ISOSO310LPGLB
			Resistant Orange	ISOSO310LPROLB
			Resistant White	ISOSO310LPRWLB
15 A	250 V	3 Flat pins	Grey	ISOSO315PGLB
			Resistant Orange	ISOSO315PROLB
			Resistant White	ISOSO315PRWLB
20 A	250 V	3 Flat pins	Grey	ISOSO320FPGLB
			Resistant Orange	ISOSO320FPROLB
			Resistant White	ISOSO320FPRWLB
20 A	250 V	3 Round pins	Grey	ISOSO320PGLB
			Resistant Orange	ISOSO320PROLB
32 A	250 V	3 Round pins	Grey	ISOSO332PGLB
			Resistant Orange	ISOSO332PROLB
10 A	500 V	4 Round pins	Grey	ISOSO410PGLB
			Resistant Orange	ISOSO410PROLB
20 A	500 V	4 Round pins	Resistant White	ISOSO410PRWLB
			Grey	ISOSO420PGLB
			Resistant Orange	ISOSO420PROLB
32 A	500 V	4 Round pins	Resistant White	ISOSO420PRWLB
			Grey	ISOSO432PGLB
			Resistant Orange	ISOSO432PROLB
40 A	500 V	4 Round pins	Resistant White	ISOSO432PRWLB
			Grey	ISOSO440PGLB
			Resistant Orange	ISOSO440PROLB
50 A	500 V	4 Round pins	Grey	ISOSO450PGLB
			Resistant Orange	ISOSO450PROLB
10 A	500 V	5 Round pins	Grey	ISOSO510PGLB
			Resistant Orange	ISOSO510PROLB
			Resistant White	ISOSO510PRWLB
20 A	500 V	5 Round pins	Grey	ISOSO520PGLB
			Resistant Orange	ISOSO520PROLB
			Resistant White	ISOSO520PRWLB
32 A	500 V	5 Round pins	Grey	ISOSO532PGLB
			Resistant Orange	ISOSO532PROLB
			Resistant White	ISOSO532PRWLB
40 A	500 V	5 Round pins	Grey	ISOSO540PGLB
			Resistant Orange	ISOSO540PROLB
50 A	500 V	5 Round pins	Grey	ISOSO550PGLB
			Resistant Orange	ISOSO550PROLB

# Extension sockets

The ISO range of Extension sockets are available in single phase and three phase versions. Covering a large current range from 10 A to 50 A, the range is available in Electric Orange and Resistant Orange (RO) material. The 10A to 50A round pin sizes feature a Patented Padlockable IP 66 hinged lid that suits all lock types. When connected with the matching Appliance Inlet the two can be Padlocked\* together stop an unauthorised disconnection.  
 (\*Suits Locking devices: 4.5mm to 6.0mm Ø only)

## Extension Sockets



Current	Voltage Rating	Pin Arrangement	Colour	Catalogue No.
10 A	250 V	3 Flat pins	Electric Orange	ISOEX310P
			Resistant Orange	ISOEX310PRO
15 A	250 V	3 Flat pins	Electric Orange	ISOEX315P
			Resistant Orange	ISOEX315PRO
20 A	250 V	3 Round pins	Electric Orange	ISOEX320P
			Resistant Orange	ISOEX320PRO
32 A	250 V	3 Round pins	Electric Orange	ISOEX332P
			Resistant Orange	ISOEX332PRO
10 A	500 V	4 Round pins	Electric Orange	ISOEX410P
			Resistant Orange	ISOEX410PRO
20 A	500 V	4 Round pins	Electric Orange	ISOEX420P
			Resistant Orange	ISOEX420PRO
32 A	500 V	4 Round pins	Electric Orange	ISOEX432P
			Resistant Orange	ISOEX432PRO
40 A	500 V	4 Round pins	Electric Orange	ISOEX440P
			Resistant Orange	ISOEX440PRO
50 A	500 V	4 Round pins	Electric Orange	ISOEX450P
			Resistant Orange	ISOEX450PRO
10 A	500 V	5 Round pins	Electric Orange	ISOEX510P
			Resistant Orange	ISOEX510PRO
20 A	500 V	5 Round pins	Electric Orange	ISOEX520P
			Resistant Orange	ISOEX520PRO
32 A	500 V	5 Round pins	Electric Orange	ISOEX532P
			Resistant Orange	ISOEX532PRO
40 A	500 V	5 Round pins	Electric Orange	ISOEX540P
			Resistant Orange	ISOEX540PRO
50 A	500 V	5 Round pins	Electric Orange	ISOEX550P
			Resistant Orange	ISOEX550PRO

**Note:** See accessories for pendant brackets page 20.

## Appliance inlets

The ISO range of Appliance Inlets are available in single phase and three phase versions. Covering a large current range from 10 A to 50 A, the range is available in Grey (G) and Resistant Orange (RO) material. The 10A to 50A round pin sizes feature a Padlockable\* IP 66 Cap. When connected with the matching ISO Extension Socket the two can be Padlocked\* together to prevent an unauthorised disconnection. (\*Suits Locking devices: 4.5mm to 6.5mm Ø only)

### Appliance inlets (Including back boxes)



Current	Voltage Rating	Pin Arrangement	Colour	Catalogue No.
10 A	250 V	3 Flat pins	Grey	ISOAI310PG
15 A	250 V	3 Flat pins	Grey	ISOAI315PG
20 A	250 V	3 Round pins	Grey	ISOAI320PG
32 A	250 V	3 Round pins	Grey	ISOAI332PG
10 A	500 V	4 Round pins	Grey	ISOAI410PG
20 A	500 V	4 Round pins	Grey	ISOAI420PG
32 A	500 V	4 Round pins	Grey	ISOAI432PG
40 A	500 V	4 Round pins	Grey	ISOAI440PG
50 A	500 V	4 Round pins	Grey	ISOAI450PG
10 A	500 V	5 Round pins	Grey	ISOAI510PG
20 A	500 V	5 Round pins	Grey	ISOAI520PG
32 A	500 V	5 Round pins	Grey	ISOAI532PG
40 A	500 V	5 Round pins	Grey	ISOAI540PG
50 A	500 V	5 Round pins	Grey	ISOAI550PG

### Appliance inlets (Less back box)

Current	Voltage Rating	Pin Arrangement	Colour	Catalogue No.
10 A	250 V	3 Flat pins	Grey	ISOAI310PGLB
			Resistant Orange	ISOAI310PROLB
15 A	250 V	3 Flat pins	Grey	ISOAI315PGLB
			Resistant Orange	ISOAI315PROLB
20 A	250 V	3 Round pins	Grey	ISOAI320PGLB
			Resistant Orange	ISOAI320PROLB
32 A	250 V	3 Round pins	Grey	ISOAI332PGLB
			Resistant Orange	ISOAI332PROLB
10 A	500 V	4 Round pins	Grey	ISOAI410PGLB
			Resistant Orange	ISOAI410PROLB
20 A	500 V	4 Round pins	Grey	ISOAI420PGLB
			Resistant Orange	ISOAI420PROLB
32 A	500 V	4 Round pins	Grey	ISOAI432PGLB
			Resistant Orange	ISOAI432PROLB
40 A	500 V	4 Round pins	Grey	ISOAI440PGLB
			Resistant Orange	ISOAI440PROLB
50 A	500 V	4 Round pins	Grey	ISOAI450PGLB
			Resistant Orange	ISOAI450PROLB
10 A	500 V	5 Round pins	Grey	ISOAI510PGLB
			Resistant Orange	ISOAI510PROLB
20 A	500 V	5 Round pins	Grey	ISOAI520PGLB
			Resistant Orange	ISOAI520PROLB
32 A	500 V	5 Round pins	Grey	ISOAI532PGLB
			Resistant Orange	ISOAI532PROLB
40 A	500 V	5 Round pins	Grey	ISOAI540PGLB
			Resistant Orange	ISOAI540PROLB
50 A	500 V	5 Round pins	Grey	ISOAI550PGLB
			Resistant Orange	ISOAI550PROLB

## Switched MOD6 RCD protected outlets

The ISO range of Switched MOD6 RCD Protected Outlets with standard 4 gang back box are available in Grey (G), Resistant Orange (RO) and Resistant White (RW) material, all units come supplied with a 30mA MOD6 RCCB safety switch and are fully assembled and wired ready for installation.

### Switched MOD6 RCD protected outlet



Current	Voltage Rating	RCD Rating	Pin Arrangement	Colour	Catalogue No.
10 A	250 V	30 mA	3 Flat pins	Grey	ISOC310RCDPG
				Resistant Orange	ISOC310RCDPRO
				Resistant White	ISOC310RCDPRW
10 A	250 V	30 mA	2 Flat pins 1 round earth	Grey	ISOC310LRCDPG
				Resistant Orange	ISOC310LRCDPRO
				Resistant White	ISOC310LRCDPRW
15 A	250 V	30 mA	3 Flat pins	Grey	ISOC315RCDPG
				Resistant Orange	ISOC315RCDPRO
				Resistant White	ISOC315RCDPRW
20 A	250 V	30 mA	3 round pins	Grey	ISOC320RCDPG (A)
				Resistant Orange	ISOC320RCDPRO (A)
32 A	250 V	30 mA	3 round pins	Grey	ISOC332RCDPG (A)
				Resistant Orange	ISOC332RCDPRO (A)
10 A	500 V	30 mA	4 Round pins	Grey	ISOC410RCDPG
				Resistant Orange	ISOC410RCDPRO
				Resistant White	ISOC410RCDPRW
20 A	500 V	30 mA	4 Round pins	Grey	ISOC420RCDPG
				Resistant Orange	ISOC420RCDPRO
				Resistant White	ISOC420RCDPRW
32 A	500 V	30 mA	4 Round pins	Grey	ISOC432RCDPG
				Resistant Orange	ISOC432RCDPRO
				Resistant White	ISOC432RCDPRW
40 A	500 V	30 mA	4 Round pins	Grey	ISOC440RCDPG
				Resistant Orange	ISOC440RCDPRO (A)
50 A	500 V	30 mA	4 Round pins	Grey	ISOC450RCDPG (A)
				Resistant Orange	ISOC450RCDPRO (A)
10 A	500 V	30 mA	5 Round pins	Grey	ISOC510RCDPG
				Resistant Orange	ISOC510RCDPRO
				Resistant White	ISOC510RCDPRW
20 A	500 V	30 mA	5 Round pins	Grey	ISOC520RCDPG
				Resistant Orange	ISOC520RCDPRO
				Resistant White	ISOC520RCDPRW
32 A	500 V	30 mA	5 Round pins	Grey	ISOC532RCDPG
				Resistant Orange	ISOC532RCDPRO (A)
				Resistant White	ISOC532RCDPRW (A)
40 A	500 V	30 mA	5 Round pins	Grey	ISOC540RCDPG
				Resistant Orange	ISOC540RCDPRO (A)
50 A	500 V	30 mA	5 Round pins	Grey	ISOC550RCDPG (A)
				Resistant Orange	ISOC550RCDPRO (A)

**Note:** (A) Assembled to customer order. Supplied fully assembled and wired complete with NHP safety switch (MOD6 RCCB)



## Switched MOD6 RCD protected outlet - In line

The ISO range of Switched MOD6 RCD Protected Outlets with In-line 4 gang back box are available in Grey (G), Resistant Orange (RO) and Resistant White (RW) material, all units come supplied with a 30mA MOD6 RCCB safety switch and fully assembled and wired ready for installation.



### Switched MOD6 RCD protected outlet - In line

Current	Voltage Rating	RCD Rating	Pin Arrangement	Colour	Catalogue No.
10 A	250 V	30 mA	3 Flat pins	Grey	ISOC310RCDPVHG (A)
				Resistant Orange	ISOC310RCDPVHRO (A)
				Resistant White	ISOC310RCDPVHRW (A)
10 A	250 V	30 mA	2 Flat pins 1 round earth	Grey	ISOC310LRCDPVHG (A)
				Resistant Orange	ISOC310LRCDPVHRO (A)
				Resistant White	ISOC310LRCDPVHRW (A)
15 A	250 V	30 mA	3 Flat pins	Grey	ISOC315RCDPVHG (A)
				Resistant Orange	ISOC315RCDPVHRO (A)
				Resistant White	ISOC315RCDPVHRW
20 A	250 V	30 mA	3 round pins	Grey	ISOC320RCDPVHG (A)
				Resistant Orange	ISOC320RCDPVHRO (A)
32 A	250 V	30 mA	3 round pins	Grey	ISOC332RCDPVHG (A)
				Resistant Orange	ISOC332RCDPVHRO (A)
10 A	500 V	30 mA	4 Round pins	Grey	ISOC410RCDPVHG (A)
				Resistant Orange	ISOC410RCDPVHRO (A)
				Resistant White	ISOC410RCDPVHRW (A)
20 A	500 V	30 mA	4 Round pins	Grey	ISOC420RCDPVHG (A)
				Resistant Orange	ISOC420RCDPVHRO (A)
				Resistant White	ISOC420RCDPVHRW (A)
32 A	500 V	30 mA	4 Round pins	Grey	ISOC432RCDPVHG (A)
				Resistant Orange	ISOC432RCDPVHRO (A)
				Resistant White	ISOC432RCDPVHRW (A)
40 A	500 V	30 mA	4 Round pins	Grey	ISOC440RCDPVHG (A)
				Resistant Orange	ISOC440RCDPVHRO (A)
50 A	500 V	30 mA	4 Round pins	Grey	ISOC450RCDPVHG (A)
				Resistant Orange	ISOC450RCDPVHRO (A)
10 A	500 V	30 mA	5 Round pins	Grey	ISOC510RCDPVHG (A)
				Resistant Orange	ISOC510RCDPVHRO (A)
				Resistant White	ISOC510RCDPVHRW (A)
20 A	500 V	30 mA	5 Round pins	Grey	ISOC520RCDPVHG (A)
				Resistant Orange	ISOC520RCDPVHRO (A)
				Resistant White	ISOC520RCDPVHRW (A)
32 A	500 V	30 mA	5 Round pins	Grey	ISOC532RCDPVHG (A)
				Resistant Orange	ISOC532RCDPVHRO (A)
				Resistant White	ISOC532RCDPVHRW (A)
40 A	500 V	30 mA	5 Round pins	Grey	ISOC540RCDPVHG (A)
				Resistant Orange	ISOC540RCDPVHRO (A)
50 A	500 V	30 mA	5 Round pins	Grey	ISOC550RCDPVHG (A)
				Resistant Orange	ISOC550RCDPVHRO (A)

**Note:** (A) Assembled to customer order. Supplied fully assembled and wired complete with NHP safety switch (MOD6 RCCB)

# MOD6 RCD protected outlets

The ISO range of MOD6 RCD Protected Outlets with standard 3 gang back box are available in Grey (G), Resistant Orange (RO) and Resistant White (RW) material, all units come supplied with a 30mA MOD6 RCCB safety switch and fully assembled and wired ready for installation.

## MOD6 RCD protected outlets



Current	Voltage Rating	RCD Rating	Pin Arrangement	Colour	Catalogue No.
10 A	250 V	30 mA	3 Flat pins	Grey	ISOSO310RCDPG
				Resistant Orange	ISOSO310RCDPRO
				Resistant White	ISOSO310RCDPRW (A)
10 A	250 V	30 mA	2 Flat pins 1 Round Earth	Grey	ISOSO310LRCDPG (A)
				Resistant Orange	ISOSO310LRCDPRO (A)
				Resistant White	ISOSO310LRCDPRW (A)
15 A	250 V	30 mA	3 Flat pins	Grey	ISOSO315RCDPG
				Resistant Orange	ISOSO315RCDPRO
				Resistant White	ISOSO315RCDPRW (A)
				Grey	ISOSO320RCDPG (A)
20 A	250 V	30 mA	3 round pins	Resistant Orange	ISOSO320RCDPRO (A)
				Grey	ISOSO332RCDPG (A)
32 A	250 V	30 mA	3 round pins	Resistant Orange	ISOSO332RCDPRO (A)
				Grey	ISOSO410RCDPG
10 A	500 V	30 mA	4 Round pins	Resistant Orange	ISOSO410RCDPRO
				Resistant White	ISOSO410RCDPRW (A)
				Grey	ISOSO420RCDPG
20 A	500 V	30 mA	4 Round pins	Resistant Orange	ISOSO420RCDPRO
				Resistant White	ISOSO420RCDPRW (A)
				Grey	ISOSO432RCDPG
32 A	500 V	30 mA	4 Round pins	Resistant Orange	ISOSO432RCDPRO
				Resistant White	ISOSO432RCDPRW (A)
				Grey	ISOSO440RCDPG
40 A	500 V	30 mA	4 Round pins	Resistant Orange	ISOSO440RCDPRO (A)
				Grey	ISOSO450RCDPG (A)
50 A	500 V	30 mA	4 Round pins	Resistant Orange	ISOSO450RCDPRO (A)
				Grey	ISOSO510RCDPG
10 A	500 V	30 mA	5 Round pins	Resistant Orange	ISOSO510RCDPRO
				Resistant White	ISOSO510RCDPRW (A)
				Grey	ISOSO520RCDPG
20 A	500 V	30 mA	5 Round pins	Resistant Orange	ISOSO520RCDPRO
				Resistant White	ISOSO520RCDPRW (A)
				Grey	ISOSO532RCDPG
32 A	500 V	30 mA	5 Round pins	Resistant Orange	ISOSO532RCDPRO
				Resistant White	ISOSO532RCDPRW (A)
				Grey	ISOSO540RCDPG
40 A	500 V	30 mA	5 Round pins	Resistant Orange	ISOSO540RCDPRO (A)
				Grey	ISOSO550RCDPG (A)
50 A	500 V	30 mA	5 Round pins	Resistant Orange	ISOSO550RCDPRO (A)

**Note:** (A) Assembled to customer order. Supplied fully assembled and wired complete with NHP safety switch (MOD6 Series)

## Back boxes, RCD covers and accessories

The ISO Back Box range is available in a 1 gang to 9 gang in Grey (G), Resistant Orange (RO) and Resistant White (RW) PVC material.

The ISO MCB/RCD cover is suitable for any 2 gang back box and above in the ISO range. Available in Grey (G), Resistant Orange (RO) and Resistant White (RW) material, the 2 gang cover will accept any 4 pole width device and is supplied with mounting rail (35mm DIN Rail) and mounting kit.



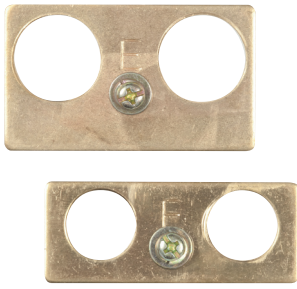
### Back boxes

No. of Gangs	Type	Dimensions (mm)	Colour	Catalogue No.
1	Shallow	101 x 101 x 38	Grey	ISOBB51G
			Grey	ISOBB1G
1	Standard	101 x 101 x 63	Resistant Orange	ISOBB1RO
			Resistant White	ISOBB1RW
2	Shallow	198 x 101 x 38	Grey	ISOBB52G
			Grey	ISOBB2G
2	Standard	198 x 101 x 63	Resistant Orange	ISOBB2RO
			Resistant White	ISOBB2RW
			Grey	ISOBB2PENG
2	Pendent	196 x 101 x 60	Resistant Orange	ISOBB2PENRO
			Resistant White	ISOBB2PENRW
			Grey	ISOBB2EDG
2	Extra Deep	198 x 101 x 100	Resistant Orange	ISOBB2EDRO
			Grey	ISOBB3G
3	Standard	294 x 101 x 63	Resistant Orange	ISOBB3RO
			Resistant White	ISOBB3RW
			Grey	ISOBB4G
4	Standard	198 x 198 x 63	Resistant Orange	ISOBB4RO
			Resistant White	ISOBB4RW
			Grey	ISOBB4VHG
4	In Line	391 x 101 x 63	Resistant Orange	ISOBB4VHRO
			Resistant White	ISOBB4VHRW
			Grey	ISOBB6G
6	Standard	294 x 198 x 63	Resistant Orange	ISOBB6RO
			Grey	ISOBB9G
9	Standard	294 x 294 x 63	Resistant Orange	ISOBB9RO

### RCD covers (For back boxes)



No. of Gangs	Type	Dimensions (mm)	Colour	Catalogue No.
1	Standard	101 x 101 x 63	Grey	ISOBB1G
			Resistant Orange	ISOBB1RO
			Resistant White	ISOBB1RW



### Brass earthing plates (to suit SWA glands)

Suits gangs	Depth	Suits gland type	Material	Catalogue No.
1, 2 and 3	Standard	2 x M25 x 1.5 mm	Brass	ISOSWAGLAND
1 and 2	Shallow	2 x M20 x 1.5 mm	Brass	ISOSWAGLANDSH



### Pendant brackets and cover screw caps

Suits	Catalogue No.
Pendant bracket SS suits EX-socket/plugs 10-20A flat pin	ISOBKS1
Pendant bracket SS suits back boxes with 32mm entries	ISOBKS
Pendant bracket SS suits EX-socket/plugs 10-20A round pin	ISOBKM
Pendant bracket SS suits EX-socket/plugs 32-50A round pin	ISOBKL
SS pendant bracket suits 2 x 1 gang wide back boxes	ISOBKBB
Adaptor module M25 suits ISOPS/PA/EX 10-20A round pin EO	ISOAM25P
Cover screw stainless (QTY 100)	ISOCS
Cover screw caps grey (QTY 200)	ISOCAPG
Cover screw caps RO (QTY 200)	ISOCAPRO
Cover screw caps RW (QTY 200)	ISOCAPRW



### Lids (for back boxes)

No. of gangs	Dimensions (mm)	Colour	Catalogue No.
1	101 x 101 x 38	Grey	ISOBBL1G
		Resistant Orange	ISOBBL1RO
		Resistant White	ISOBBL1RW
2	198 x 101 x 38	Grey	ISOBBL2G
		Resistant Orange	ISOBBL2RO

## Lids with 22.5 mm cut-outs and devices to suit

### For back boxes



No. of gangs	No. 22.5 mm hole	Dimensions (mm)	Colour	Catalogue No.
1	1	94 x 94 x 28 mm	Grey	ISOL1H1G
			Resistant Orange	ISOL1H1RO
			Resistant White	ISOL1H1RW
1	2	94 x 94 x 28 mm	Grey	ISOL1H2G
			Resistant Orange	ISOL1H2RO
			Resistant White	ISOL1H2RW
2	2	190 x 94 x 28 mm	Grey	ISOL2H2G
			Resistant Orange	ISOL2H2RO
2	3	190 x 94 x 28 mm	Grey	ISOL2H3G
			Resistant Orange	ISOL2H3RO

### 22.5 mm devices to suit



Flush Pushbuttons (Plastic body)	Contact	Current (AC1)	Voltage Rating	Colour	Catalogue No.
Flush Non-illuminated momentary pushbutton labeled "START"	1 N/O	10 A	240 V AC	Green	D7PF301PX10
Flush Non-illuminated momentary pushbutton labeled "STOP"	1 N/C	10 A	240 V AC	Red	D7PF402PX01
Extended Non-illuminated momentary pushbutton labeled "STOP"	1 N/C	10 A	240 V AC	Red	D7PE402PX01
Flush Economical Non-illuminated momentary pushbutton - Green	1 N/O	5 A	240 V AC	Green	D7DF3X10
Flush Economical Non-illuminated momentary pushbutton - Red	1 N/C	5 A	240 V AC	Red	D7DF4X01
Flush illuminated momentary pushbutton - Green Insert	1 N/O	10 A	240 V AC	Green	D7PLF3PN7GX10
Flush illuminated momentary pushbutton - Red Insert	1 N/C	10 A	240 V AC	Red	D7PLF4PN7RX01
Flush illuminated momentary pushbutton - Blue Insert	1 N/O	10 A	240 V AC	Blue	D7PLF6PN7WX10



## 22.5 mm devices to suit



Emergency Stop	Contact	Current (AC1)	Voltage Rating	Colour	Catalogue No. <sup>1)</sup>
30 mm emergency stop operator with contact	1 N/C	10 A	240 V AC	Red	D7PMT34PX01
Emergency stop label - Self adhesive (60 mm diameter)	-	-	-	Yellow	D715YE112
Protective yellow guard 85mm for emergency stop operators	-	-	-	Yellow	D7A6PR5



Pilot Lights	Voltage Rating	Colour	Catalogue No.
Green pilot light - Green LED	240 V AC	Green	D7PP3PN7G
Red pilot light - Red LED	240 V AC	Red	D7PP4PN7R
Blue pilot light - White LED	240 V AC	Blue	D7PP6PN7W



Rotary Switches	Contact	Current (AC1)	Voltage Rating	Colour	Catalogue No.
2 position rotary switch 60° - maintained	1 N/O	10A	240 V AC	Black	D7PSM22PX10
2 position rotary switch 60° Key lockable in the '0' position	1 N/O	10A	240 V AC	Black	D7PKM21PX10



Cam Switches	Rated Operating Current I <sub>a</sub> (AC-1/AC21A) @690V	Colour	Switch Body	Switch Handle Assembly
Cam switch - Isolator 2 pole "OFF/ON"	25 A	Black / silver	LE2251782	LFS2A4178I
Cam switch - Isolator 4 pole "OFF/ON"	25 A	Black / silver	LE2251784	LFS2A4178I (3)
Cam switch - Changeover with off 2 pole "M-O-A"	25 A	Black / silver	LE2253252	LFS2A4325R
Cam switch - Changeover with off 4 pole "M-O-A"	25 A	Black / silver	LE2253254	LFS2A4325R (3)
Cam switch - Reversing switch "1-0-2"	25 A	Black / silver	LE2257303	LFS2A4325

### Note

- 1) Not suitable for 1 Gang 2 x hole lid (ISOL1H2xx)
- 2) Not suitable for shallow back box (38 mm) (ISOBB5xx)
- 3) Use on extra deep back box (100 mm) only (ISOBB2EDxx).  
For the complete range of 22.5 mm Sprecher + Schuh pushbuttons, pilot lights Elektra cam switches and rotary switches see: NHP Price List Catalogue
- 4) Ensure 4 holes are drilled with a spacing of 48mm apart to form a square, in order to mount the LE2 Cam Switches.



NHP's CUSTOMISING MILLING MACHINE IN ACTION

NHP NATIONAL MANUFACTURING AND DISTRIBUTION CENTRE



# NHP CUSTOMISED SOLUTIONS WITH ISO

**When it comes to customised plug and socket solutions, look no further than NHP.**

With the expanded range of ISO back boxes and accessories now available, NHP can offer fully customisable, built and tested solutions. The NHP ISO solution enables you to integrate all type of components such as a mixture of ISO products, cam switches, indicators and pushbuttons into one quality and reliable unit to suit your specific requirements.



Pushbuttons



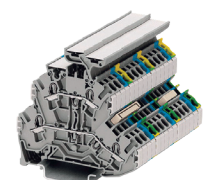
Timers and relays



Circuit Protection



Cam switch



Terminals

# ISO Plugs and sockets technical data

## Switched socket outlets

Catalogue No.	Switching Poles	AC 23 Rating	M Rating	Rated Current	Number of Pins	Conductor Terminal Size in mm <sup>2</sup>		IP Rating	Base depth	Matching Plug Straight	Matching Plug Angle
						Min.	Max.				
ISOC310xx	2	10 A	M80	10 A	3 Flat	1.5	6	IP 66	38mm	ISOPS310P	-
ISOC310xxDB	2	10 A	M80	10 A	3 Flat	1.5	6	IP 66	63mm	ISOPS310P	-
ISOC310Lxx	2	10 A	M80	10 A	2 Flat 1 round earth	1.5	6	IP 66	38mm	ISOPS310LP	-
ISOC315xx	2	15 A	M80	15 A	3 Flat	1.5	6	IP 66	38mm	ISOPS315P	-
ISOC315xxDB	2	15 A	M80	15 A	3 Flat	1.5	6	IP 66	63mm	ISOPS315P	-
ISOC320Fxx	2	20 A	M150	20 A	3 Flat	2.5	6	IP 66	63mm	ISOPS320FP	-
ISOC320xx	2	20 A	M150	20 A	3 Round	2.5	6	IP 66	63mm	ISOPS320P	-
ISOC332XX	2	32 A	M180	32 A	3 Round	4	16	IP 66	63mm	ISOPS332P	-
ISOC410xx	3	10 A	M100	10 A	4 Round	1.5	6	IP 66	63mm	ISOPS410P	-
ISOC420xx	3	20 A	M100	20 A	4 Round	2.5	6	IP 66	63mm	ISOPS420P	ISOPA420P
ISOC432xx	3	32 A	M100	32 A	4 Round	4	16	IP 66	63mm	ISOPS432P	ISOPA432P
ISOC440xx	3	40 A	M100	40 A	4 Round	10	16	IP 66	63mm	ISOPS440P	ISOPA440P
ISOC450xx	3	50 A	M200	50 A	4 Round	10	16	IP 66	63mm	ISOPS450P	ISOPA450P
ISOC510xx	3	10 A	M100	10 A	5 Round	1.5	6	IP 66	63mm	ISOPS510P	-
ISOC520xx	3	20 A	M100	20 A	5 Round	2.5	6	IP 66	63mm	ISOPS520P	ISOPA520P
ISOC532xx	3	32 A	M100	32 A	5 Round	4	16	IP 66	63mm	ISOPS532P	ISOPA532P
ISOC540xx	3	40 A	M100	40 A	5 Round	10	16	IP 66	63mm	ISOPS540P	ISOPA540P
ISOC550xx	3	50 A	M200	50 A	5 Round	10	16	IP 66	63mm	ISOPS550P	ISOPA550P

Substitute xx with colour; grey (G), resistant orange (RO) or resistant white (RW).

## Socket outlets

Catalogue No.	Rated Current	Number of Pins	Conductor Terminal Size in mm <sup>2</sup>		IP Rating	Base depth	Matching Plug Straight	Matching Plug Angle
			Min.	Max.				
ISOSO310xx	10 A	3 Flat	1.5	6	IP 66	38mm	ISOPS310P	-
ISOSO310Lxx	10 A	2 Flat 1 Round earth	1.5	6	IP 66	38mm	ISOPS310LP	-
ISOSO315xx	15 A	3 Flat	1.5	6	IP 66	38mm	ISOPS315P	-
ISOSO320Fxx	20 A	3 Flat	2.5	6	IP 66	63mm	ISOPS320FP	-
ISOSO320xx	20 A	3 Round	2.5	6	IP 66	63mm	ISOPS320P	-
ISOSO332xx	32 A	3 Round	4	16	IP 66	63mm	ISOPS332P	-
ISOSO410xx	10 A	4 Round	1.5	6	IP 66	63mm	ISOPS410P	-
ISOSO420xx	20 A	4 Round	2.5	6	IP 66	63mm	ISOPS420P	ISOPA420P
ISOSO432xx	32 A	4 Round	4	16	IP 66	63mm	ISOPS432P	ISOPA432P
ISOSO440xx	40 A	4 Round	10	16	IP 66	63mm	ISOPS440P	ISOPA440P
ISOSO450xx	50 A	4 Round	10	16	IP 66	63mm	ISOPS450P	ISOPA450P
ISOSO510xx	10 A	5 Round	1.5	6	IP 66	63mm	ISOPS510P	-
ISOSO520xx	20 A	5 Round	2.5	6	IP 66	63mm	ISOPS520P	ISOPA520P
ISOSO532xx	32 A	5 Round	4	16	IP 66	63mm	ISOPS532P	ISOPA532P
ISOSO540xx	40 A	5 Round	10	16	IP 66	63mm	ISOPS540P	ISOPA540P
ISOSO550xx	50 A	5 Round	10	16	IP 66	63mm	ISOPS550P	ISOPA550P

Substitute xx with colour; grey (G), resistant orange (RO) or resistant white (RW).



# ISO Plugs and sockets technical data

## Surface switches

Catalogue No.	Switching Poles	AC-23A Rating	M Rating	Rated Current	Conductor Terminal Size in mm <sup>2</sup>		IP Rating	Base depth
					Min.	Max.		
ISOSW110xx	2	10 A	M100	10A	1.5	6	IP 66	38mm
ISOSW110xxDB	2	10 A	M100	10A	1.5	6	IP 66	63mm
ISOSW110/2xx	1 (2 Way)	8 A	M80	10A	1.5	4	IP66	38mm
ISOSW115xx	2	15 A	M100	15A	1.5	6	IP 66	38mm
ISOSW115xxDB	2	15 A	M100	15A	1.5	6	IP 66	63mm
ISOSW120xx	2	20 A	M150	20A	2.5	6	IP 66	63mm
ISOSW132xx	2	32 A	M180	32A	4	16	IP 66	63mm
ISOSW310xx	3	10 A	M100	10A	1.5	6	IP 66	63mm
ISOSW320xx	3	20 A	M150	20A	2.5	6	IP 66	63mm
ISOSW332xx	3	32 A	M180	32A	4	16	IP 66	63mm
ISOSW340xx	3	40 A	M200	40A	10	16	IP 66	63mm
ISOSW350xx	3	50 A	M200	50A	10	16	IP 66	63mm
ISOSW420xx	4	20 A	M150	20A	2.5	16	IP 66	63mm
ISOSW432xx	4	32 A	M180	32A	4	16	IP 66	63mm

Substitute xx with colour; Grey (G), Resistant Orange (RO) or Resistant White (RW).

## Plugs

Plug straight	Plug angle	Rated current	Number of pins	Conductor Terminal Size in mm <sup>2</sup>		Cable Nominal Diameter in mm		IP Rating
				Min.	Max.	Min.	Max.	
ISOPS310Pxx	-	10 A	3 Flat	1	2.5	7.4	10.6	66
ISOPS310LPxx	-	10 A	2 Flat 1 round earth	1	2.5	7.4	10.6	66
ISOPS315Pxx	-	15 A	3 Flat	1.5	2.5	7.4	10.6	66
ISOPS320FPxx	-	20 A	3 Flat	2.5	6	9	13	66
ISOPS320Pxx	-	20 A	3 Round	2.5	6	9	13	66
ISOPS332Pxx	-	32 A	3 Round	6	16	6	28	66
ISOPS410Pxx	-	10 A	4 Round	2.5	6	9	13	66
ISOPS420Pxx	ISOPA420P	20 A	4 Round	2.5	6	9	13	66
ISOPS432Pxx	ISOPA432P	32 A	4 Round	6	16	6	28	66
ISOPS440Pxx	ISOPA440P	40 A	4 Round	10	16	6	28	66
ISOPS450Pxx	ISOPA450P	50 A	4 Round	10	16	6	28	66
ISOPS510Pxx	-	10 A	5 Round	2.5	6	9	13	66
ISOPS520Pxx	ISOPA520P	20 A	5 Round	2.5	6	9	13	66
ISOPS532Pxx	ISOPA532P	32 A	5 Round	6	16	6	28	66
ISOPS540Pxx	ISOPA540P	40 A	5 Round	10	16	6	28	66
ISOPS550Pxx	ISOPA550P	50 A	5 Round	10	16	6	28	66

Substitute xx with colour; Electric Orange (P) Resistant Orange (RO)



# Add value to your project with a solution from NHP.

At NHP we understand that as the nature of individual projects change, so to do the needs of their stakeholders. Working together to drive long-term results, NHP promises to meet these requirements on time and on budget.

Our consistent and coordinated approach has the experience to add value to your business through engineered product solutions that meet diverse applications and reduce risk. With locally based and expert staff, the NHP Major Projects team promises to provide active support before and during the lifetime of the project.

By their very nature, major projects can often mean various technical challenges that require varied approaches.

Combat the scale, complexity and lengthy development times of major projects with a partner you can trust.



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# ISO Plugs and sockets technical data

## Extension Sockets

Catalogue No.	Rated Current	Number of Pins	Conductor Terminal Size in mm <sup>2</sup>		Cable Nominal Diameter in mm		IP Rating	Matching Plug	Matching Plug Angle	Matching Appliance Inlet
			Min.	Max.	Min.	Max.				
ISOEX310Pxx	10 A	3 Flat	1	2.5	7.4	10.6	66	ISOPS310Pxx		ISOAI310Pxx
ISOEX315Pxx	15 A	3 Flat	1.5	2.5	7.4	10.6	66	ISOPS315Pxx	-	ISOAI315Pxx
ISOEX320Pxx	20 A	3 Round	2.5	6	7.4	10.6	66	ISOPS320Pxx	-	ISOAI320Pxx
ISOEX332Pxx	32 A	3 Round	6	16	6	28	66	ISOPS332Pxx	-	ISOAI332Pxx
ISOEX410Pxx	10 A	4 Round	2.5	6	6	28	66	ISOPS410Pxx	-	ISOAI410Pxx
ISOEX420Pxx	20 A	4 Round	2.5	6	6	28	66	ISOPS420Pxx	ISOPA420Pxx	ISOAI420Pxx
ISOEX432Pxx	32 A	4 Round	6	6	6	28	66	ISOPS432Pxx	ISOPA432Pxx	ISOAI432Pxx
ISOEX440Pxx	40 A	4 Round	10	16	6	28	66	ISOPS440Pxx	ISOPA440Pxx	ISOAI440Pxx
ISOEX450Pxx	50 A	4 Round	10	16	6	28	66	ISOPS450Pxx	ISOPA450Pxx	ISOAI450Pxx
ISOEX510Pxx	10 A	5 Round	2.5	6	6	28	66	ISOPS510Pxx	-	ISOAI510Pxx
ISOEX520Pxx	20 A	5 Round	2.5	6	6	28	66	ISOPS520Pxx	ISOPA520Pxx	ISOAI520Pxx
ISOEX532Pxx	32 A	5 Round	6	16	6	28	66	ISOPS532Pxx	ISOPA532Pxx	ISOAI532Pxx
ISOEX540Pxx	40 A	5 Round	10	16	6	28	66	ISOPS540Pxx	ISOPA540Pxx	ISOAI540Pxx
ISOEX550Pxx	50 A	5 Round	10	16	6	28	66	ISOPS550Pxx	ISOPA550Pxx	ISOAI550Pxx

Substitute xx with colour; Electric Orange (P) Resistant Orange (RO)

## Appliance inlets

Catalogue No.	Rated Current	Number of pins	Conductor Terminal Size in mm <sup>2</sup>		IP Rating	Matching Extension Socket	Base depth
			Min.	Max.			
ISOAI310Pxx	10 A	3 Flat	1.5	6	66	ISOEX310Pxx	38mm
ISOAI315Pxx	15 A	3 Flat	2.5	6	66	ISOEX315Pxx	38mm
ISOAI320Pxx	20 A	3 Round	2.5	6	66	ISOEX320Pxx	38mm
ISOAI332Pxx	32 A	3 Round	6	16	66	ISOEX332Pxx	63mm
ISOAI410Pxx	10 A	4 Round	1.5	6	66	ISOEX410Pxx	38mm
ISOAI420Pxx	20 A	4 Round	2.5	6	66	ISOEX420Pxx	38mm
ISOAI432Pxx	32 A	4 Round	6	6	66	ISOEX432Pxx	63mm
ISOAI440Pxx	40 A	4 Round	10	16	66	ISOEX440Pxx	63mm
ISOAI450Pxx	50 A	4 Round	10	16	66	ISOEX450Pxx	63mm
ISOAI510Pxx	10 A	5 Round	1.5	6	66	ISOEX510Pxx	38mm
ISOAI520Pxx	20 A	5 Round	2.5	6	66	ISOEX520Pxx	38mm
ISOAI532Pxx	32 A	5 Round	6	16	66	ISOEX532Pxx	63mm
ISOAI540Pxx	40 A	5 Round	10	16	66	ISOEX540Pxx	63mm
ISOAI550Pxx	50 A	5 Round	10	16	66	ISOEX550Pxx	63mm

Substitute xx with colour; Electric Orange (P) Resistant Orange (RO)

# ISO Plugs and sockets technical data

## RCD Protected Outlets

Catalogue No.	Rated Current	Number of Pins	Conductor Terminal Size in mm <sup>2</sup>		RCD Rating	IP Rating	Matching Plug Straight	Matching Plug Angle
			Min.	Max.				
ISOSO310RCDxxx	10 A	3 Flat	1.5	6	30 mA	IP 66	ISOPS310P	ISOPS310P
ISOSO310LRCDxxx	10 A	2 Flat 1 round earth	1.5	6	30 mA	IP 66	ISOPS310LP	ISOPS310LP
ISOSO315RCDxxx	15 A	3 Flat	1.5	6	30 mA	IP 66	ISOPS315P	ISOPS315P
ISOSO320RCDxxx	20 A	3 Round	2.5	6	30 mA	IP 66	ISOPS320P	ISOPS320P
ISOSO332RCDxxx	32 A	3 Round	4	16	30 mA	IP 66	ISOPS332P	ISOPS332P
ISOSO410RCDxxx	10 A	4 Round	1.5	6	30 mA	IP 66	ISOPS410P	ISOPS410P
ISOSO420RCDxxx	20 A	4 Round	2.5	6	30 mA	IP 66	ISOPS420P	ISOPS420P
ISOSO432RCDxxx	32 A	4 Round	4	16	30 mA	IP 66	ISOPS432P	ISOPS432P
ISOSO450RCDxxx	40 A	4 Round	10	16	30 mA	IP 66	ISOPS440P	ISOPS440P
ISOSO440RCDxxx	50 A	4 Round	10	16	30 mA	IP 66	ISOPS450P	ISOPS450P
ISOSO510RCDxxx	10 A	5 Round	1.5	6	30 mA	IP 66	ISOPS510P	ISOPS510P
ISOSO520RCDxxx	20 A	5 Round	2.5	6	30 mA	IP 66	ISOPS520P	ISOPS520P
ISOSO532RCDxxx	32 A	5 Round	4	16	30 mA	IP 66	ISOPS532P	ISOPS532P
ISOSO540RCDxxx	40 A	5 Round	10	16	30 mA	IP 66	ISOPS540P	ISOPS540P
ISOSO550RCDxxx	50 A	5 Round	10	16	30 mA	IP 66	ISOPS550P	ISOPS550P

Substitute xxx with colour and safety switch type; Grey MOD6 (PG), Resistant Orange MOD6 (PRO).

## RCD Protected Outlets

Catalogue No.	Rated Current	Number of Pins	Conductor Terminal Size in mm <sup>2</sup>		RCD Rating	IP Rating	Matching Plug Straight	Matching Plug Angle
			Min.	Max.				
ISOC310RCDxxx	10 A	3 Flat	1.5	6	30 mA	IP 66	ISOPS310P	-
ISOC310LRCDxxx	10 A	2 Flat 1 round earth	1.5	6	30 mA	IP 66	ISOPS310LP	-
ISOC315RCDxxx	15 A	3 Flat	1.5	6	30 mA	IP 66	ISOPS315P	-
ISOC320RCDxxx	20 A	3 Round	2.5	6	30 mA	IP 66	ISOPS320P	-
ISOC332RCDxxx	32 A	3 Round	4	16	30 mA	IP 66	ISOPS332P	-
ISOC410RCDxxx	10 A	4 Round	1.5	6	30 mA	IP 66	ISOPS410P	-
ISOC420RCDxxx	20 A	4 Round	2.5	6	30 mA	IP 66	ISOPS420P	ISOPA420P
ISOC432RCDxxx	32 A	4 Round	4	16	30 mA	IP 66	ISOPS432P	ISOPA432P
ISOC440RCDxxx	40 A	4 Round	10	16	30 mA	IP 66	ISOPS440P	ISOPA440P
ISOC450RCDxxx	50 A	4 Round	10	16	30 mA	IP 66	ISOPS450P	ISOPA450P
ISOC510RCDxxx	10 A	5 Round	1.5	6	30 mA	IP 66	ISOPS510P	-
ISOC520RCDxxx	20 A	5 Round	2.5	6	30 mA	IP 66	ISOPS520P	ISOPA520P
ISOC532RCDxxx	32 A	5 Round	4	16	30 mA	IP 66	ISOPS532P	ISOPA532P
ISOC540RCDxxx	40 A	5 Round	10	16	30 mA	IP 66	ISOPS540P	ISOPA540P
ISOC550RCDxxx	50 A	5 Round	10	16	30 mA	IP 66	ISOPS550P	ISOPA550P

Substitute xxx with colour and safety switch type; Grey MOD6 (PG), Resistant Orange MOD6 (PRO).

## Chemical Resistance Chart

This chart is to be used as a reference guide only. NHP recommend independent testing to verify the selection of any ISO material for use within a specific chemical environment.

Reagent	All back boxes (PVC)	Grey covers and transparent plugs (PC)	RO and RW covers and plugs (PC/PET)
Acetic Acid	C	B	A
Acetone	D	D	C
Actaldehyde	D	D	-
Aluminium Hydroxide	C	-	-
Ammonia	-	-	D
Ammonium Chloride	C	A	-
Ammonium Hydroxide	A	C	-
Ammonium Nitrate	-	-	A
Amyl Chloride	-	D	-
Aniline	D	C	-
Banzaldehyde	C	D	-
Benzene	D	D	C
Benzine	-	-	A
Boric Acid	A	A	-
Bromine	D	B	-
Bromoform	-	C	-
Butadiene	A	D	-
Butyl Acetate	-	D	D
Butyl Alcohol	A	A	-
Butyric Acid	A	D	-
Calcium Hydroxide	-	D	-
Calcium Hypochloride	A	A	-
Carbon Disulphide	D	D	-
Carbon Tetrachloride	D	D	C
Cellosolve	-	C	-
Chlorine (in air)	C	A	-
Chlorine (moist)	D	A	-
Chloroform	-	D	D
Citric Acid	A	C	A
Cresol	C	D	-
Cyclohexane	-	C	-
Dibutyl Phthalate	-	-	D
Dichlorobenzene	-	D	-
Diethyl Ether	-	-	D
Diethylene Glycol	-	A	-
Dimethyl Formamide	-	-	D
Diethyl Phthalate	-	-	D
Dioxane	-	B	D
Ethanol	-	-	A
Ethyl Acetate	D	C	C
Ethyl Alcohol	A	A	-
Ethylamine	-	-	D
Ethyl Chloride	-	D	C
Ethylene Chloride	D	D	C
Ethylene Glycol	-	-	A
Ethylene Oxide	-	D	-
Ethyl Ether	-	D	-
Formic Acid	-	D	-
Gasoline	A	B	-
Glycerine	-	-	B

RO – Resistant Orange  
RW – Resistant White

A = excellent  
B = good  
C = fair  
D = not resistant

# Chemical Resistance Chart

Reagent	All back boxes (PVC)	Grey covers and transparent plugs (PC)	RO and RW covers and plugs (PC/PET)
Hexane	D	A	A
Hydrochloric Acid	A	B	A
Hydrofluoric acid	A	A	-
Hydrogen peroxide	A	A	A
Iron Chloride	-	-	A
Isooctane	-	-	A
Isopropanol	-	-	A
Kerosene	C	A	-
Lactic acid	A	A	-
Methanol	-	-	D
Methyl Alcohol	A	A	-
Methyl Ethyl Ketone	-	D	C
Methyl Isobutyl Ketone	-	D	-
Methylamine	-	-	B
Methylene Chloride	D	D	D
Nitric Acid (1-10%)	A	A	A
Nitric Acid (40%)	A	B	-
Nitric Acid (65%)	C	C	-
Nitrobenzene	D	D	-
Ozone	-	-	D
Propanol	-	-	D
Paraffin, Paraffin Oil	-	-	A
Perchloric Acid	A	C	-
Petroleum Ether	A	A	-
Phenol	-	D	-
Phosphoric Acid	A	A	A
Potassium Bichromate	A	A	-
Potassium Hydroxide	A	D	D
Potassium Permanganate	A	A	-
Propane	A	A	A
Propylene Glycol	A	A	-
Silicone Oil	-	-	A
Silver Nitrate	A	A	-
Sodium Carbonate	-	-	A
Sodium Chloride	-	-	A
Sodium Hypochlorite (5%)	A	A	A
Sodium Hydroxide (10%)	A	D	-
Sodium hydroxide (5%)	A	D	B
Sodium Nitrate	-	-	A
Styrene	-	-	D
Sulphuric Acid	-	A	A
Tetrachloroethane	-	-	C
Tetrachloroethylene	-	-	D
Tetrahydrofuran	D	D	-
Trichloroethylene	-	-	C
Tricresyl Phosphate D	-	-	D
Triethylene Glycol	-	-	A
Toluene	D	D	-
Trichloroacetic Acid	C	A	-
Trichloroethylene	D	D	-
Turpentine	C	C	-
Urea	A	C	-
Xylene	-	D	C

RO – Resistant Orange  
RW – Resistant White

A = excellent  
B = good  
C = fair  
D = not resistant

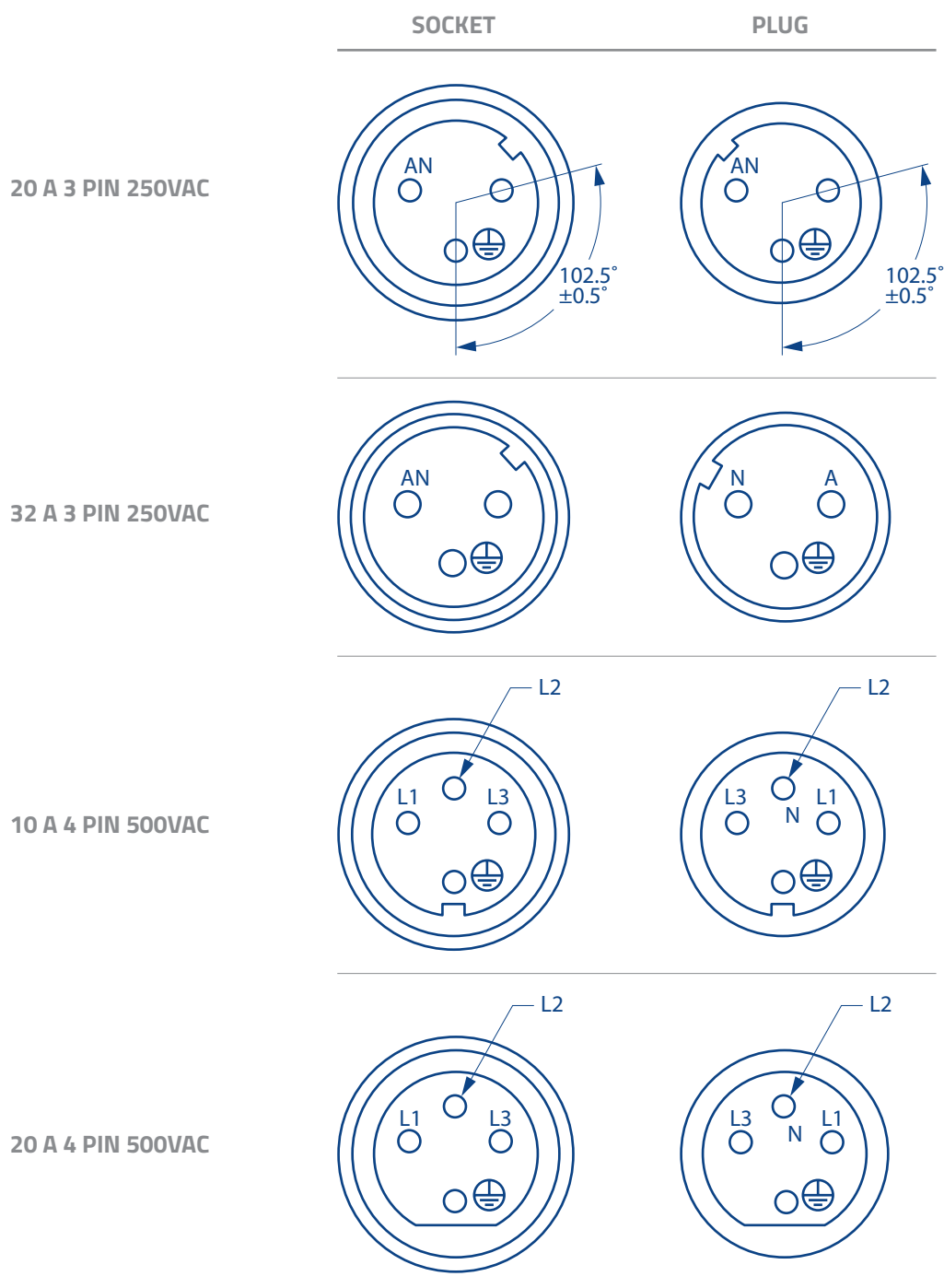
# Plugs and Sockets Compatibility Chart

AS/NZS 3123:2005

## Approval and test specification - Plugs, socket-outlets and couplers for general industrial use

### Protection against improper connections

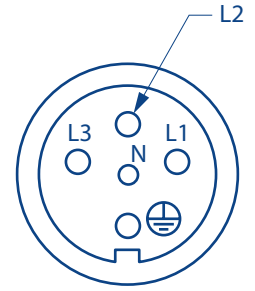
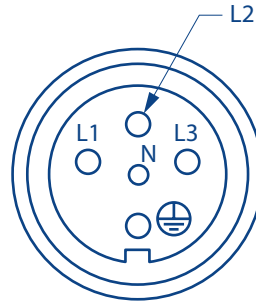
It shall not be possible to engage plugs with socket-outlets or connectors having lower ratings, or having fewer contact combinations. In addition, it shall not be possible to engage appliance connectors with appliance inlets having higher ratings, or having a larger number of contact combinations.  
NOTE: Keyways may be used for this purpose.



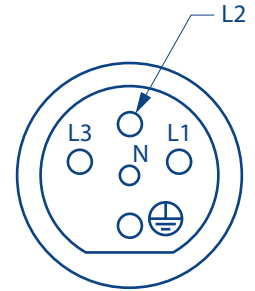
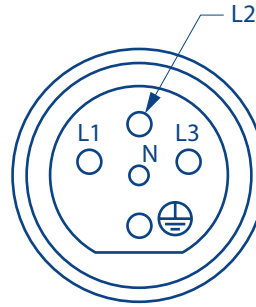
SOCKET

PLUG

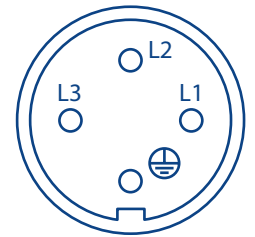
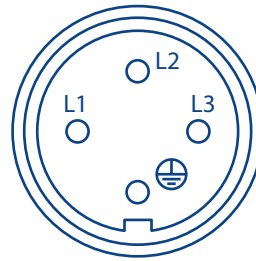
10 A 5 PIN 500VAC



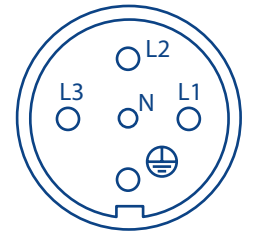
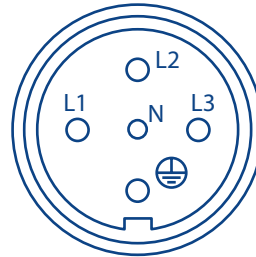
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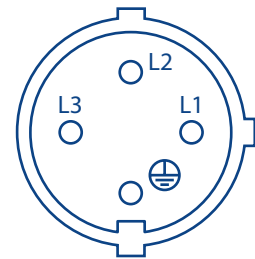
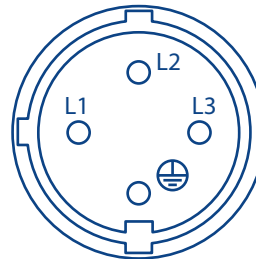
32 A 4 PIN 500VAC  
1 KEY



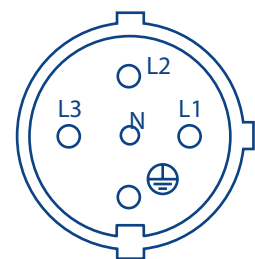
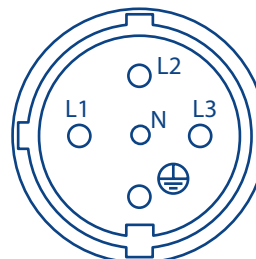
32 A 5 PIN 500VAC  
1 KEY



40 A 4 PIN 500VAC  
4 KEYS



40 A 5 PIN 500VAC  
4 KEYS

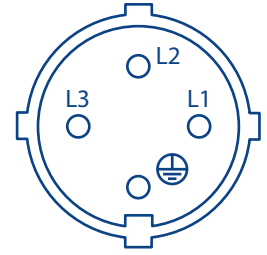
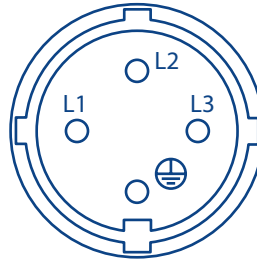




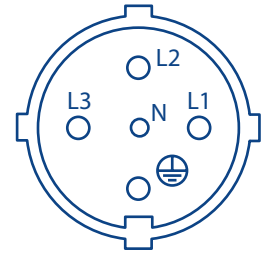
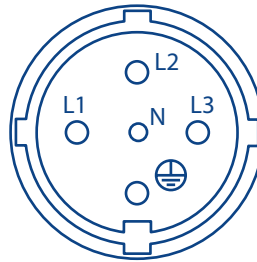
SOCKET

PLUG

**50 A 4 PIN 500VAC**  
5 KEYS



**50 A 5 PIN 500VAC**  
5 KEYS



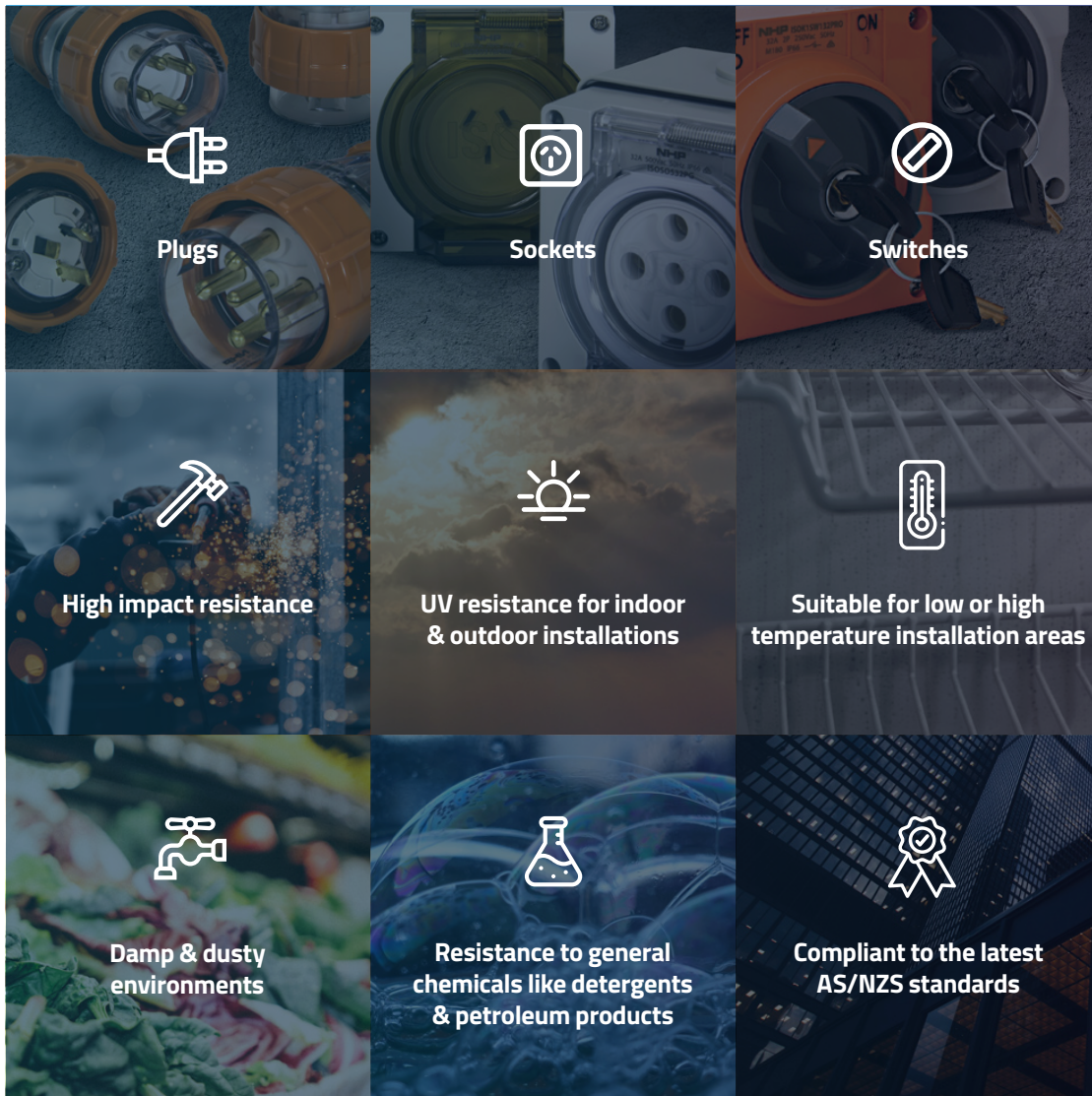
**SOCKET /  
EXTENSION  
OUTLET TYPE**

**APPLIANCE INLET/PLUG TYPE**

			10 Amp 250 V 3 Flat	10 Amp 250 V 1 Flat 1 Round	15 Amp 250 V 3 Flat	20 Amp 250 V 3 Round	32 Amp 250 V 3 Round	10 Amp 500 V 4 Round	20 Amp 500 V 4 Round	32 Amp 500 V 4 Round	40 Amp 500 V 4 Round	50 Amp 500 V 4 Round	10 Amp 500 V 5 Round	20 Amp 500 V 5 Round	32 Amp 500 V 5 Round	40 Amp 500 V 5 Round	50 Amp 500 V 5 Round
10 Amp	250 V	3 Flat	Compatible														
10 Amp	250 V	2 Flat - 1 Round		Compatible													
15 Amp	250 V	3 Flat	Compatible		Compatible												
20 Amp	250 V	3 Round				Compatible											
32 Amp	250 V	3 Round					Compatible										
10 Amp	500 V	4 Round						Compatible									
20 Amp	500 V	4 Round						Compatible	Compatible								
32 Amp	500 V	4 Round						Compatible	Compatible	Compatible							
40 Amp	500 V	4 Round						Compatible	Compatible	Compatible	Compatible						
50 Amp	500 V	4 Round						Compatible	Compatible	Compatible	Compatible	Compatible					
10 Amp	500 V	5 Round											Compatible				
20 Amp	500 V	5 Round											Compatible	Compatible			
32 Amp	500 V	5 Round											Compatible	Compatible	Compatible		
40 Amp	500 V	5 Round											Compatible	Compatible	Compatible	Compatible	
50 Amp	500 V	5 Round											Compatible	Compatible	Compatible	Compatible	Compatible

■ = Compatible

□ = Not Compatible



**IP66 rated.  
Designed for  
all conditions.**





## Ideal for

- Data centres
- Residential indoor & outdoor
- Institutional
- Food & beverage processing environments
- Infrastructure applications
- Construction sites
- Automotive & workshop environments
- For rugged applications with requirements for UV resistance, chemical resistance & mechanical resistance

**IP66 rated.  
Designed for  
all conditions.**



The NHP logo consists of the letters 'NHP' in a bold, white, sans-serif font, centered within a dark blue square background.

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