



Plugs, Sockets and Switches

Solutions for all domestic, commercial and industrial installations



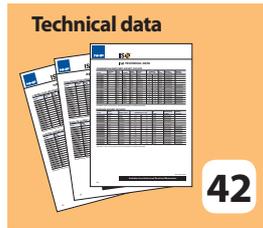
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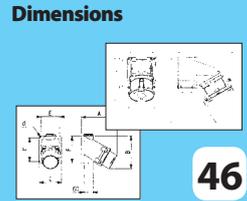
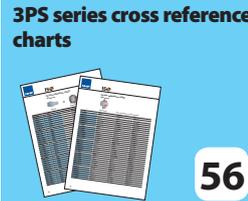


Want to know more about the new N-Line GPO? Simply scan the QR code or visit nhp.com.au/gpo for a short video

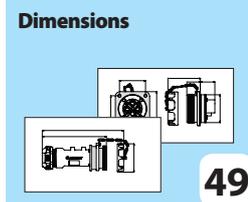
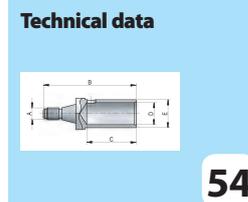
ISO Plugs and Sockets



Isolating Plugs and Sockets

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High current Plugs and Sockets

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Weather protected GPOs

The N-Line range of weather protected GPOs are available in 10 A and 15 A in single and double power outlets and double with extra switch. All switch knobs are slip resistant due to the integrated over moulded ribs and raised center for easy operation. A TPE injected membrane and gasket combined with stainless steel cover screws as standard provide increased ingress and corrosion protection, and all switches are fully tested and approved to AS/NZS3112 including certificate of approval.



Weather protected single power outlet - surface mount

Current Rating	Voltage rating	Pin arrangement	Cat. No.
10 A	250 VAC	3 flat pins	NLGPO10S
15 A	250 VAC	3 flat pins	NLGPO15S



Weather protected double power outlet - surface mount

Current Rating	Voltage rating	Pin arrangement	Cat. No.
10 A	250 VAC	3 flat pins	NLGPO10D
15 A	250 VAC	3 flat pins	NLGPO15D



Weather protected double power outlet with extra switch - surface mount

Current Rating	Voltage rating	Pin arrangement	Cat. No.
10 A	250 VAC	3 flat pins	NLGPO10DX
15 A	250 VAC	3 flat pins	NLGPO15DX

Weather protected GPOs technical data

Cat. No.	NLGPO10S	NLGPO15S	NLGPO10D	NLGPO15D	NLGPO10DX	NLGPO15DX
Pin arrangement	3 flat pins	3 flat pins				
GPOs	Single	Single	Double	Double	Double with extra switch	Double with extra switch
Current rating	10 A	15 A	10 A	15 A	10 A	15 A
Voltage rating	250 VAC	250 VAC				
IP rating - AS 60529	IP 53	IP 53				
M-rating - AS/NZS 3133	40 A	50 A	40 A	50 A	40 A	50 A
Conductor size (mm ²)						
Min*	2.5	2.5	2.5	2.5	2.5	2.5
Max	10 (3 x 2.5)	10 (3 x 2.5)				
Dimensions (mm)						
Height	85	85	85	85	85	85
Width	115	115	115	115	115	115
Depth	87	87	87	87	87	87
RCM certificate of approval	Yes	Yes	Yes	Yes	Yes	Yes

*Please note: 2.5 mm² single conductors must be twisted and doubled before being terminated due to terminal size.

Weatherproof switches

The N-Line range of weatherproof switches are available in 16 A in 1, 2 and 3 Gang and 20 A 1 gang arrangement. All switch knobs are slip resistant due to the integrated over moulded ribs and raised center for easy operation. A TPE injected membrane and gasket combined with stainless steel cover screws as standard provide increased ingress and corrosion protection, and the colour grey RAL7035 UV resistant polycarbonate material offers extended life in outdoor applications. All switches are fully tested and approved to AS/ NZS3133 including certificate of approval and M-rating.



Weatherproof switches - small

Switch gang No.	Current rating	Voltage rating	No. of switching poles	CAT. NO.
1 gang	16 A	250 VAC	1 (2 way)	NLSW116S
2 gang	16 A	250 VAC	1 (2 way)	NLSW216S
1 gang	20 A	250 VAC	2	NLSW120S



Weatherproof switches - large

Switch gang No.	Current rating	Voltage rating	No. of switching poles	CAT. NO.
1 gang	16 A	250 VAC	1 (2 way)	NLSW116L
2 gang	16 A	250 VAC	1 (2 way)	NLSW216L
3 gang	16 A	250 VAC	1 (2 way)	NLSW316L
1 gang	20 A	250 VAC	2	NLSW120L

Weatherproof switch technical data

Cat. No.	NLSW116S	NLSW216S	NLSW120S	NLSW116L	NLSW216L	NLSW316L	NLSW120L
Switch gang No.	1 gang	2 gang	1 gang	1 gang	2 gang	3 gang	1 gang
No. of switching poles	1 (2 way)	1 (2 way)	2	1 (2 way)	1 (2 way)	1 (2 way)	2
Looping terminal	Yes	Yes	No	Yes	Yes	Yes	No
Current rating	16 A	16 A	20 A	16 A	16 A	16 A	20 A
Voltage rating	250 VAC	250 VAC	250 VAC	250 VAC	250 VAC	250 VAC	250 VAC
IP rating - AS 60529	IP 66	IP 66	IP 66	IP 66	IP 66	IP 66	IP 66
M-rating - AS/NZS 3133	80 A	80 A	100 A	80 A	80 A	80 A	100 A
AX rating - AS/NZS 3133	16AX	16AX	20AX	16AX	16AX	16AX	20AX
Switch rating - AS/NZS60947.3							
AC21	10 A	10 A	20 A	10 A	10 A	10 A	20 A
AC22	8 A	8 A	20 A	8 A	8 A	8 A	20 A
AC23	8 A	8 A	12 A	8 A	8 A	8 A	12 A
Conductor size (mm ²)							
Min	1.5	1.5	2.5	1.5	1.5	1.5	2.5
Max	4	4	6	4	4	4	6
Dimensions (mm)	Small			Large			
Height	86	86	86	85	85	85	85
Width	86	86	86	115	115	115	115
Depth	65	65	65	65	65	65	65
RCM certificate of approval	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Weatherproof isolating switches

The N-Line range of weatherproof isolating switches are available in current ratings: 10 A, 20 A and 40 A. All feature a large isolator handle for easy operation and 2 pole switch mechanism as standard for single phase models 20 A and 40 A. A TPE injected gasket combined with stainless steel cover screws as standard provide increased ingress and corrosion protection, and the colour grey RAL7035 UV resistant polycarbonate material offers extended life in outdoor applications. All switches are fully tested and approved to AS/NZS3133 including certificate of approval and M-rating.



Weatherproof isolating switch - small

Current Rating	Voltage rating	No. of switching poles	Cat. No.
10 A	250 VAC	1 (2 way)	NL110S
20 A	250 VAC	2	NL120S



Weatherproof isolating switch - large

Current Rating	Voltage rating	No. of switching poles	Cat. No.
20 A	250 VAC	2	NL120L
20 A	500 VAC	3	NL320L
40 A	250 VAC	2	NL140L
40 A	500 VAC	3	NL340L

Weatherproof isolating switch technical data

Cat. No.	NL110S	NL120S	NL120L	NL320L	NL140L	NL340L
No. of switching poles	1 (2 Way)	2	2	3	2	3
Current rating	10 A	20 A	20 A	20A	40 A	40 A
Voltage rating	250 VAC	250 VAC	250 VAC	500 VAC	250 VAC	500 VAC
IP rating - AS 60529	IP 66	IP 66	IP66	IP 66	IP 66	IP 66
M-rating - AS/NZS 3133	80A	100 A	120A	120 A	180 A	180 A
AX rating - AS/NZS 3133	10AX	20AX	-	-	-	-
Switch rating - AS/NZS 60947.3						
AC21	10 A	20 A	20 A	20 A	40 A	40 A
AC22	8 A	20 A	20 A	20 A	40 A	40 A
AC23	8 A	12 A	12 A	12 A	16 A	16 A
Conductor size (mm ²)						
Min	1.5	2.5	2.5	2.5	6	6
Max	4	6	16	16	16	16
Dimensions (mm)	Small			Large		
Height	86	86	165	165	165	165
Width	86	86	95	95	95	95
Depth	91	91	91	91	91	91
RCM certificate of approval	Yes	Yes	Yes	Yes	Yes	Yes



Get switched on with NTU!

If you want to increase your skill set but avoid lengthy lectures and the cost of further education, NHP Training University (NTU) is for you!

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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 and Voltage Rating	Pin Arrangement	Colour	Cat. 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 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 and Voltage Rating	Pin Arrangement	Colour	Cat. 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 and Voltage Rating		Pin Arrangement	Colour	Cat. 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 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 and Voltage Rating		No. of Switching Poles	AC 23 Rating	M Rating	Colour	Cat. No.
10 A 250 V	2	10 A	M80	Grey	ISOSW110PG	
				Grey (with 63mm base)	ISOSW110PGDB	
10A 250 V	1 (2 way)	10A	M80	Grey	ISOSW1102PG	
				Grey (with 63mm base)	ISOSW115PGDB	
15 A 250 V	2	15 A	M80	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	
20 A 500 V	3	20 A	M100	Grey	ISOSW320PG	
32 A 500 V	3	32 A	M100	Grey	ISOSW332PG	
40 A 500 V	3	40 A	M100	Grey	ISOSW340PG	
50 A 500 V	3	50 A	M200	Grey	ISOSW350PG	
20 A 500 V	4	20 A	M100	Grey	ISOSW420PG*	
32 A 500 V	4	32 A	M100	Grey	ISOSW432PG*	

SWITCH YOUR SOLAR WITH ISO!

When you've invested in a grid-connect solar system, why would you risk using anything but the best in switching? ISO solves that dilemma!

To complete your commercial or domestic solar solution, choose the ISO range of IP 66 rated plugs and sockets, designed and tested to suit Australian conditions!



Scan the QR code to download the NHP Solar Power Solutions Brochure



Switches

Surface switches (Less back box)



Current and Voltage Rating	No. of Switching Poles	AC 23 Rating	M Rating	Colour	Cat. No.
10 A 250 V	2	10 A	M80	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	M80	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
20 A 500 V	3	20 A	M100	Grey	ISOSW320PGLB
				Resistant Orange	ISOSW320PROLB
				Resistant White	ISOSW320PRWLB
32 A 500 V	3	32 A	M100	Grey	ISOSW332PGLB
				Resistant Orange	ISOSW332PROLB
				Resistant White	ISOSW332PRWLB
40 A 500 V	3	40 A	M100	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	M100	Grey	ISOSW420PGLB*
				Resistant Orange	ISOSW420PROLB*
				Resistant White	ISOSW420PRWLB*
32 A 500 V	4	32 A	M100	Grey	ISOSW432PGLB*
				Resistant Orange	ISOSW432PROLB*
				Resistant White	ISOSW432PRWLB*

* coming soon

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 and Voltage Rating	Pin Arrangement	Colour	Cat. 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 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

OPEN A NEW DOOR WITH NHP!

When it comes to industrial and commercial electrical applications, NHP's complete range of ISO Plugs and Sockets and N-Line Enclosures offer a quality economical solution!

Designed, engineered and tested in Australia for Australian and New Zealand conditions, make the switch to NHP today and experience the difference!



Socket outlets

Socket outlets (Less back box)



Current and Voltage Rating		Pin Arrangement	Colour	Cat. 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 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
			Resistant White	ISOSO410PRWLB
20 A	500 V	4 Round pins	Grey	ISOSO420PGLB
			Resistant Orange	ISOSO420PROLB
			Resistant White	ISOSO420PRWLB
32 A	500 V	4 Round pins	Grey	ISOSO432PGLB
			Resistant Orange	ISOSO432PROLB
			Resistant White	ISOSO432PRWLB
40 A	500 V	4 Round pins	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 10 A to 50 A 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 and Voltage Rating	Pin Arrangement	Colour	Cat. 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 19.

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 10 A to 50 A round pin sizes feature a Patented 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 and Voltage Rating	Pin Arrangement	Colour	Cat. 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 and Voltage Rating	Pin Arrangement	Colour	Cat. 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 and Voltage Rating	RCD Rating	Pin Arrangement	Colour	Cat. 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 and Voltage Rating	RCD Rating	Pin Arrangement	Colour	Cat. 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)

Switched Din-safe RCD protected outlets

The ISO range of Switched Din-Safe 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 Din-Safe RCCB safety switch and fully assembled and wired ready for installation.



Switched Din-safe RCD protected outlet

Current and Voltage Rating	RCD Rating	Pin Arrangement	Colour	Cat. No.
10 A 250 V	30 mA	3 Flat pins	Grey	ISOC310RCDTEPG (A)
			Resistant Orange	ISOC310RCDTEPRO (A)
			Resistant White	ISOC310RCDTEPRW (A)
10 A 250 V	30 mA	2 Flat pins 1 round earth	Grey	ISOC310LRCDTEPG (A)
			Resistant Orange	ISOC310LRCDTEPRO (A)
			Resistant White	ISOC310LRCDTEPRW (A)
15 A 250 V	30 mA	3 Flat pins	Grey	ISOC315RCDTEPG (A)
			Resistant Orange	ISOC315RCDTEPRO (A)
			Resistant White	ISOC315RCDTEPRW (A)
20 A 250 V	30 mA	3 round pins	Grey	ISOC320RCDTEPG (A)
			Resistant Orange	ISOC320RCDTEPRO (A)
32 A 250 V	30 mA	3 round pins	Grey	ISOC332RCDTEPG (A)
			Resistant Orange	ISOC332RCDTEPRO (A)
10 A 500 V	30 mA	4 Round pins	Grey	ISOC410RCDTEPG (A)
			Resistant Orange	ISOC410RCDTEPRO (A)
			Resistant White	ISOC410RCDTEPRW (A)
20 A 500 V	30 mA	4 Round pins	Grey	ISOC420RCDTEPG (A)
			Resistant Orange	ISOC420RCDTEPRO (A)
			Resistant White	ISOC420RCDTEPRW (A)
32 A 500 V	30 mA	4 Round pins	Grey	ISOC432RCDTEPG (A)
			Resistant Orange	ISOC432RCDTEPRO (A)
			Resistant White	ISOC432RCDTEPRW (A)
40 A 500 V	30 mA	4 Round pins	Grey	ISOC440RCDTEPG (A)
			Resistant Orange	ISOC440RCDTEPRO (A)
50 A 500 V	30 mA	4 Round pins	Grey	ISOC450RCDTEPG (A)
			Resistant Orange	ISOC450RCDTEPRO (A)
10 A 500 V	30 mA	5 Round pins	Grey	ISOC510RCDTEPG (A)
			Resistant Orange	ISOC510RCDTEPRO (A)
			Resistant White	ISOC510RCDTEPRW (A)
20 A 500 V	30 mA	5 Round pins	Grey	ISOC520RCDTEPG (A)
			Resistant Orange	ISOC520RCDTEPRO (A)
			Resistant White	ISOC520RCDTEPRW (A)
32 A 500 V	30 mA	5 Round pins	Grey	ISOC532RCDTEPG (A)
			Resistant Orange	ISOC532RCDTEPRO (A)
			Resistant White	ISOC532RCDTEPRW (A)
40 A 500 V	30 mA	5 Round pins	Grey	ISOC540RCDTEPG (A)
			Resistant Orange	ISOC540RCDTEPRO (A)
50 A 500 V	30 mA	5 Round pins	Grey	ISOC550RCDTEPG (A)
			Resistant Orange	ISOC550RCDTEPRO (A)

Note: (A) Assembled to customer order

Switched Din-safe RCD protected outlets - In line

The ISO range of Switched Din-Safe 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 Din-Safe RCCB safety switch and fully assembled and wired ready for installation.



Switched Din-safe RCD protected outlet - In line

Current and Voltage Rating	RCD Rating	Pin Arrangement	Colour	Cat. No.
10 A 250 V	30 mA	3 Flat pins	Grey	ISOC310RCDTEPVHG (A)
			Resistant Orange	ISOC310RCDTEPVHRO (A)
			Resistant White	ISOC310RCDTEPVHRW (A)
10 A 250 V	30 mA	2 Flat pins 1 round earth	Grey	ISOC310LRCDTEPVHG (A)
			Resistant Orange	ISOC310LRCDTEPVHRO (A)
			Resistant White	ISOC310LRCDTEPVHRW (A)
15 A 250 V	30 mA	3 Flat pins	Grey	ISOC315RCDTEPVHG (A)
			Resistant Orange	ISOC315RCDTEPVHRO (A)
			Resistant White	ISOC315RCDTEPVHRW
20 A 250 V	30 mA	3 round pins	Grey	ISOC320RCDTEPVHG (A)
			Resistant Orange	ISOC320RCDTEPVHRO (A)
32 A 250 V	30 mA	3 round pins	Grey	ISOC332RCDTEPVHG (A)
			Resistant Orange	ISOC332RCDTEPVHRO (A)
10 A 500 V	30 mA	4 Round pins	Grey	ISOC410RCDTEPVHG (A)
			Resistant Orange	ISOC410RCDTEPVHRO (A)
			Resistant White	ISOC410RCDTEPVHRW (A)
20 A 500 V	30 mA	4 Round pins	Grey	ISOC420RCDTEPVHG (A)
			Resistant Orange	ISOC420RCDTEPVHRO (A)
			Resistant White	ISOC420RCDTEPVHRW (A)
32 A 500 V	30 mA	4 Round pins	Grey	ISOC432RCDTEPVHG (A)
			Resistant Orange	ISOC432RCDTEPVHRO (A)
			Resistant White	ISOC432RCDTEPVHRW (A)
40 A 500 V	30 mA	4 Round pins	Grey	ISOC440RCDTEPVHG (A)
			Resistant Orange	ISOC440RCDTEPVHRO (A)
50 A 500 V	30 mA	4 Round pins	Grey	ISOC450RCDTEPVHG (A)
			Resistant Orange	ISOC450RCDTEPVHRO (A)
10 A 500 V	30 mA	5 Round pins	Grey	ISOC510RCDTEPVHG (A)
			Resistant Orange	ISOC510RCDTEPVHRO (A)
			Resistant White	ISOC510RCDTEPVHRW (A)
20 A 500 V	30 mA	5 Round pins	Grey	ISOC520RCDTEPVHG (A)
			Resistant Orange	ISOC520RCDTEPVHRO (A)
			Resistant White	ISOC520RCDTEPVHRW (A)
32 A 500 V	30 mA	5 Round pins	Grey	ISOC532RCDTEPVHG (A)
			Resistant Orange	ISOC532RCDTEPVHRO (A)
			Resistant White	ISOC532RCDTEPVHRW (A)
40 A 500 V	30 mA	5 Round pins	Grey	ISOC540RCDTEPVHG (A)
			Resistant Orange	ISOC540RCDTEPVHRO (A)
50 A 500 V	30 mA	5 Round pins	Grey	ISOC550RCDTEPVHG (A)
			Resistant Orange	ISOC550RCDTEPVHRO (A)

Note: (A) Assembled to customer order

Supplied fully assembled and wired complete with NHP safety switch (Din-Safe 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 and Voltage Rating	RCD Rating	Pin Arrangement	Colour	Cat. 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)
20 A 250 V	30 mA	3 round pins	Grey	ISOSO320RCDPG (A)
			Resistant Orange	ISOSO320RCDPRO (A)
32 A 250 V	30 mA	3 round pins	Grey	ISOSO332RCDPG (A)
			Resistant Orange	ISOSO332RCDPRO (A)
10 A 500 V	30 mA	4 Round pins	Grey	ISOSO410RCDPG
			Resistant Orange	ISOSO410RCDPRO
			Resistant White	ISOSO410RCDPRW (A)
20 A 500 V	30 mA	4 Round pins	Grey	ISOSO420RCDPG
			Resistant Orange	ISOSO420RCDPRO
			Resistant White	ISOSO420RCDPRW (A)
32 A 500 V	30 mA	4 Round pins	Grey	ISOSO432RCDPG
			Resistant Orange	ISOSO432RCDPRO
			Resistant White	ISOSO432RCDPRW (A)
40 A 500 V	30 mA	4 Round pins	Grey	ISOSO440RCDPG
			Resistant Orange	ISOSO440RCDPRO (A)
50 A 500 V	30 mA	4 Round pins	Grey	ISOSO450RCDPG (A)
			Resistant Orange	ISOSO450RCDPRO (A)
10 A 500 V	30 mA	5 Round pins	Grey	ISOSO510RCDPG
			Resistant Orange	ISOSO510RCDPRO
			Resistant White	ISOSO510RCDPRW (A)
20 A 500 V	30 mA	5 Round pins	Grey	ISOSO520RCDPG
			Resistant Orange	ISOSO520RCDPRO
			Resistant White	ISOSO520RCDPRW (A)
32 A 500 V	30 mA	5 Round pins	Grey	ISOSO532RCDPG
			Resistant Orange	ISOSO532RCDPRO
			Resistant White	ISOSO532RCDPRW (A)
40 A 500 V	30 mA	5 Round pins	Grey	ISOSO540RCDPG
			Resistant Orange	ISOSO540RCDPRO (A)
50 A 500 V	30 mA	5 Round pins	Grey	ISOSO550RCDPG (A)
			Resistant Orange	ISOSO550RCDPRO (A)

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

Din-Safe RCD protected outlets

The ISO range of Din-Safe 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 Din-Safe RCCB safety switch and fully assembled and wired ready for installation.



Din-Safe RCD protected outlets

Current and Voltage Rating	RCD Rating	Pin Arrangement	Colour	Cat. No.
10 A 250 V	30 mA	3 Flat pins	Grey	ISOSO310RCDTEPG (A)
			Resistant Orange	ISOSO310RCDTEPRO (A)
			Resistant White	ISOSO310RCDTEPRW (A)
10 A 250 V	30 mA	2 Flat pins 1 Round Earth	Grey	ISOSO310LRCDTEPG (A)
			Resistant Orange	ISOSO310LRCDTEPRO (A)
			Resistant White	ISOSO310LRCDTEPRW (A)
15 A 250 V	30 mA	3 Flat pins	Grey	ISOSO315RCDTEPG (A)
			Resistant Orange	ISOSO315RCDTEPRO (A)
20 A 250 V	30 mA	3 Round pins	Grey	ISOSO320RCDTEPG (A)
			Resistant Orange	ISOSO320RCDTEPRO (A)
32 A 250 V	30 mA	3 Round pins	Grey	ISOSO332RCDTEPG (A)
			Resistant Orange	ISOSO332RCDTEPRO (A)
10 A 500 V	30 mA	4 Round pins	Grey	ISOSO410RCDTEPG (A)
			Resistant Orange	ISOSO410RCDTEPRO (A)
			Resistant White	ISOSO410RCDTEPRW (A)
20 A 500 V	30 mA	4 Round pins	Grey	ISOSO420RCDTEPG (A)
			Resistant Orange	ISOSO420RCDTEPRO (A)
			Resistant White	ISOSO420RCDTEPRW (A)
32 A 500 V	30 mA	4 Round pins	Grey	ISOSO432RCDTEPG (A)
			Resistant Orange	ISOSO432RCDTEPRO (A)
40 A 500 V	30 mA	4 Round pins	Grey	ISOSO440RCDTEPG (A)
			Resistant Orange	ISOSO440RCDTEPRO (A)
50 A 500 V	30 mA	4 Round pins	Grey	ISOSO450RCDTEPG (A)
			Resistant Orange	ISOSO450RCDTEPRO (A)
10 A 500 V	30 mA	5 Round pins	Grey	ISOSO510RCDTEPG (A)
			Resistant Orange	ISOSO510RCDTEPRO (A)
			Resistant White	ISOSO510RCDTEPRW (A)
20 A 500 V	30 mA	5 Round pins	Grey	ISOSO520RCDTEPG (A)
			Resistant Orange	ISOSO520RCDTEPRO (A)
			Resistant White	ISOSO520RCDTEPRW (A)
32 A 500 V	30 mA	5 Round pins	Grey	ISOSO532RCDTEPG (A)
			Resistant Orange	ISOSO532RCDTEPRO (A)
			Resistant White	ISOSO532RCDTEPRW (A)
40 A 500 V	30 mA	5 Round pins	Grey	ISOSO540RCDTEPG (A)
			Resistant Orange	ISOSO540RCDTEPRO (A)
50 A 500 V	30 mA	5 Round pins	Grey	ISOSO550RCDTEPG (A)
			Resistant Orange	ISOSO550RCDTEPRO (A)

Note: (A) Assembled to customer order

Supplied fully assembled and wired complete with NHP safety switch (Terasaki Din-Safe RCCB)

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	Cat. No.
1	Shallow	101 x 101 x 38	Grey	ISOBBS1G
			Grey	ISOBB1G
1	Standard	101 x 101 x 63	Resistant Orange	ISOBB1RO
			Resistant White	ISOBB1RW
			Grey	ISOBBS2G
2	Shallow	198 x 101 x 38	Grey	ISOBBS2G
			Grey	ISOBB2G
			Resistant Orange	ISOBB2RO
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
			Resistant Orange	ISOBB3RO
3	Standard	294 x 101 x 63	Resistant White	ISOBB3RW
			Grey	ISOBB4G
			Resistant Orange	ISOBB4RO
4	Standard	198 x 198 x 63	Resistant White	ISOBB4RW
			Grey	ISOBB4VHG
			Resistant Orange	ISOBB4VHRO
4	In Line	391 x 101 x 63	Resistant White	ISOBB4VHRW
			Grey	ISOBB6G
			Resistant Orange	ISOBB6RO
6	Standard	294 x 198 x 63	Grey	ISOBB9G
			Resistant Orange	ISOBB9RO
			Resistant White	ISOBB9RW
9	Standard	294 x 294 x 63	Grey	ISOBB9G
			Resistant Orange	ISOBB9RO



RCD covers (For back boxes)

No. of Gangs	Dimensions (mm)	Colour	Cat. No.
2	198 x 101 x 45	Grey	ISORCDNPG
		Resistant Orange	ISORCDNPRO
		Resistant White	ISORCDNPRW



Brass earthing plates (To suit SWA glands)

Suits Gangs	Depth	Suits gland type	Material	Cat. No.
1, 2 & 3	Standard	2 x M25 x 1.5 mm	Brass	ISOSWAGLAND
1 & 2	Shallow	2 x M20 x 1.5 mm	Brass	ISOSWAGLANDSH



Pendant brackets

Suits	Cat. No.
10 A & 15 A Extension sockets. 10 A & 15 A plugs and back boxes with 32 mm entries.	ISOBKS
10-50 A Round pin extension sockets and 32-50 A PS plugs	ISOBKL
Back box pendant bracket (Suits 2 X ISOC series)	ISOBKBB



Lids (for back boxes)

No. of Gangs	Dimensions (mm)	Colour	Cat. 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. 22.5mm hole	Dimensions (mm)	Colour	Cat. 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	Cat. 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	Cat. No. ¹⁾
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	Cat. 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	Cat. No.
2 position rotary switch 60° - maintained	1 N/O 10 A 240 V AC	Black	D7PSM22PX10
2 position rotary switch 60° Key lockable in the '0' position	1 N/O 10 A 240 V AC	Black	D7PKM21PX10



Cam switches	Current (AC21) / Voltage Rating	Colour	Cat. No. ¹⁾ ²⁾
Cam switch - isolator 2 pole "OFF/ON"	25 A 240 V AC	Black / silver	V2NA220C
Cam switch - isolator 4 pole "OFF/ON"	25 A 415 V AC	Black / silver	V2NA420C
Cam switch - changeover with off 2 pole "MAN/OFF/AUTO"	25 A 240 V AC	Black / silver	V2NU220C
Cam switch - changeover with off 4 pole "MAN/OFF/AUTO"	25 A 415 V AC	Black / silver	V2NU420C ³⁾
Cam switch - reversing switch "FOR/OFF/REV"	25 A 415 V AC	Black / silver	V2NW320C

Notes: ¹⁾ Not suitable for 1 Gang 2 x hole lid (ISOL1H2xx)

²⁾ Not suitable for shallow back box (38 mm) (ISOBSxx)

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



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.

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Isolating plugs and sockets

3PS Series - Deconnector™

Proconnect is a world leader in the manufacture of isolating plugs and sockets for the mining, food processing, commercial, rail and marine industries.

The 3PS isolating plugs from Proconnect are available in five sizes: 30 A, 50 A, 90 A, 150 A and 250 A.

The benefits of the isolating plugs are that it eliminates the need for a switch and ensures that power is available where and when it is required with complete safety to the operator. The socket outlet and appliance inlet are interlocked and then switched when engaged, making the connection and disconnection under load, safe and reliable.

The connector also discriminates so connection of the same voltage, amperage and number of poles can only be mated, making the 3PS isolating plugs the complete answer for industrial safety, without the need for specialised personnel when operating portable tools and equipment.

Main items



Socket outlet



Appliance inlet

Accessories



Angled wall box



Handle

Assemblies



Angled wall box
& socket outlet



Handle & socket outlet



Angled wall box
& appliance inlet



Handle & appliance inlet

30 A Isolating plugs and sockets

3PS16 Series - Deconnector™

Maximum cable sizes:	6 mm ² flexible	Rated current:	AC23 16 A/440 V AC (AS/NZ 3947-3 IEC60947-3) 30 A maximum rated current (IEC60309-1) M-Rating M200 (AS3133)
3PS1G Cable outside diameter:	Minimum 9 mm Maximum 18 mm	Housing material:	Polyamide 6
3PS1GFP Cable outside diameter:	Minimum 17 mm Maximum 25 mm	Screw and fastening material:	Stainless steel
Stripping length:	Sheathing 33 mm Insulation 13 mm	Terminal tightening torque:	1.6 Nm
IP and IK rating:	Socket outlet IP 66 Outlet and inlet IP 66 IK 08		
Temperature range:	-30 °C to +60 °C		



Contacts	Voltage rating	Socket outlet Cat. No.	Appliance inlet Cat. No.
1P+N+E	220-240 V AC	3PS1D1NE01	3PS1A1NE01
3P+E	380-440 V AC	3PS1D30E01	3PS1A30E01
3P+N+E	380-440 V AC	3PS1D3NE01	3PS1A3NE01
1P+N+E+2p	220-240 V AC	3PS16D1NE01P ¹⁾	3PS16A1NE01P ¹⁾
3P+E+2p	380-440 V AC	3PS16D30E01P ¹⁾	3PS16A30E01P ¹⁾
3P+N+E+2p	380-440 V AC	3PS16D3NE01P ¹⁾	3PS16A3NE01P ¹⁾

Accessories



Description	Cat. No.
Angled wall box 30° M20X1.5 (without cable gland)	3PS1WAS
Handle – outside cable diameter Min. 9 mm Max. 18 mm	3PS1G
Handle with 32 mm thread with cable gland	3PS1GFP
30° incline sleeve	3PS1LB
Appliance inlet plug cap	3PS1PC

Note: ¹⁾ Includes 2 x 16 A pilot pins.

50 A Isolating plugs and sockets

3PS32 Series - Deconnector™

Maximum cable sizes:	10 mm ² flexible	Rated current:	AC23 32 A/440 V AC (AS/NZ 3947-3 / IEC609473) 50 A maximum rated current (IEC60309-1) M-Rating M250 (AS3133)
3PS3G Cable outside diameter:	Minimum 8 mm Maximum 22 mm	Housing material:	Polyamide 6
3PS3GFP Cable outside diameter:	Minimum 22 mm Maximum 32 mm	Screw and fastening material:	Stainless steel
Stripping length:	Sheathing 37 mm Insulation 17 mm	Terminal tightening torque:	2.72 Nm
IP and IK rating:	Socket outlet IP 66 Outlet and inlet IP 66 IK 08		
Temperature range:	-30 °C to +60 °C		



Contacts	Voltage rating	Socket outlet Cat. No.	Appliance inlet Cat. No.
1P+N+E	220-240 V AC	3PS3D1NE01	3PS3A1NE01
3P+E	380-440 V AC	3PS3D30E01	3PS3A30E01
3P+N+E	380-440 V AC	3PS3D3NE01	3PS3A3NE01

1P+N+E+2p	220-240 V AC	3PS32D1NE01P ¹⁾	3PS32A1NE01P ¹⁾
3P+E+2p	380-440 V AC	3PS32D30E01P ¹⁾	3PS32A30E01P ¹⁾
3P+N+E+2p	380-440 V AC	3PS32D3NE01P ¹⁾	3PS32A3NE01P ¹⁾

Accessories



Description	Cat. No.
Angled wall box 30° M25X1.5 (without cable gland)	3PS3WAS
Handle – outside cable diameter Min. 8 mm Max. 22 mm	3PS3G
Handle with 40 mm thread with cable gland	3PS3GFP
30° incline sleeve	3PS3LB
Appliance inlet plug cap	3PS3PC

Note: ¹⁾ Includes 2 x 16 A pilot pins.

90 A Isolating plugs and sockets

3PS63 Series - Deconnector™

Maximum cable sizes:	35 mm ² flexible	Temperature range:	-30 °C to +60 °C
3PS6G Cable outside diameter:	Minimum 9 mm Maximum 29 mm	Rated current:	AC23 63 A/440 V AC (AS/NZ 3947-3 / IEC60947-3) 90 A maximum rated current (IEC60309-1) M-Rating M250 (AS3133)
3PS6GFP Cable outside diameter:	Minimum 28 mm Maximum 38 mm		
Stripping length:	Sheathing 60 mm Insulation 30 mm	Housing material:	Polyamide 6
IP rating:	Socket outlet IP 66	Screw and fastening material:	Stainless steel
	Outlet and inlet IP 66 IK 08	Terminal tightening torque:	4 Nm



Contacts	Voltage rating	Socket outlet Cat. No.	Appliance inlet Cat. No.
1P+N+E	220-240 V AC	3PS6D1NE01	3PS6A1NE01
3P+E	380-440 V AC	3PS6D30E01	3PS6A30E01
3P+N+E	380-440 V AC	3PS6D3NE01	3PS6A3NE01
1P+N+E+2p	220-240 V AC	3PS63D1NE01P ¹⁾	3PS63A1NE01P ¹⁾
3P+E+2p	380-440 V AC	3PS63D30E01P ¹⁾	3PS63A30E01P ¹⁾
3P+N+E+2p	380-440 V AC	3PS63D3NE01P ¹⁾	3PS63A3NE01P ¹⁾

Accessories



Description	Cat. No.
Angled wall box 30° M40X1.5 (without cable gland)	3PS6WAS
Handle – outside cable diameter Min. 9 mm Max. 29 mm	3PS6G
Handle with 50 mm thread with cable gland	3PS6GFP
30° incline sleeve	3PS6LB
Appliance inlet plug cap	3PS6PC

Note: ¹⁾ Includes 2 x 16 A pilot pins.

150 A Isolating plugs and sockets

3PS125 Series - Deconnector™

Maximum cable sizes:	50 mm ² flexible		Rated current:	AC23 100 A/440 V AC (AS/NZ 3947-3 / IEC60947-3) 150 A maximum rated current (IEC60309-1) M-Rating M500 (AS3133)
3PS6G Cable outside diameter:	Minimum 22 mm Maximum 39 mm			
3PS9GFP Cable outside diameter:	Minimum 21 mm Maximum 44 mm			
Stripping length:	Sheathing 90 mm Insulation 37 mm			
IP rating:	Socket outlet IP 66 Outlet and inlet IP 66 IK 08			
Temperature range:	-30 °C to +60 °C		Housing material:	Polyamide 6
			Screw and fastening material:	Stainless steel
			Terminal tightening torque:	6 Nm



Contacts	Voltage rating	Socket outlet Cat. No.	Appliance inlet Cat. No.
1P+N+E	220-240 V AC	3PS9D1NE01 i	3PS9A1NE01 i
3P+E	380-440 V AC	3PS9D30E01	3PS9A30E01
3P+N+E	380-440 V AC	3PS9D3NE01	3PS9A3NE01
1P+N+E+2p	220-240 V AC	3PS9D1NE01P ¹⁾ i	3PS9A1NE01P ¹⁾ i
3P+E+2p	380-440 V AC	3PS9D30E01P ¹⁾	3PS9A30E01P ¹⁾
3P+N+E+2p	380-440 V AC	3PS9D3NE01P ¹⁾	3PS9A3NE01P ¹⁾

Accessories



Description	Cat. No.
Angled wall box 60° M50X1.5 (without cable gland)	3PS9WAS
Handle – outside cable diameter Min. 22 mm Max. 39 mm	3PS9G
60° incline sleeve	3PS9LB
Handle with 63 mm thread with cable gland	3PS9G-FP
Appliance inlet plug cap	3PS9PC
Spare locking levers	3PSBFR

Note: ¹⁾ Includes 2 x 16 A pilot pins
i Available on indent only.

250 A Isolating plugs and sockets

3PS200 Series - Deconnector™

Maximum cable sizes:	95 mm ² flexible	Rated current:	AC23 160 A/440 V AC (AS/NZ 3947-3 / IEC60947-3)
3PS2G Cable outside diameter:	Minimum 22 mm Maximum 50 mm		250 A maximum rated current (IEC60309-1)
Stripping length:	Sheathing 155 mm Insulation 38 mm		M-Rating M670 (AS3133)
IP rating:	Socket outlet IP 66 Outlet and inlet IP 66 IK 08		Housing material:
Temperature range:	-30 °C to +60 °C	Screw and fastening material:	Stainless steel
		Terminal tightening torque:	10 Nm



Contacts	Voltage rating	Socket outlet Cat. No.	Appliance inlet Cat. No.
1P+N+E	220-240 V AC	3PS2D1NE01 i	3PS2A1NE01 i
3P+E	380-440 V AC	3PS2D30E01	3PS2A30E01
3P+N+E	380-440 V AC	3PS2D3NE01	3PS2A3NE01
1P+N+E+2p	220-240 V AC	3PS2D1NE01P ¹⁾ i	3PS2A1NE01P ¹⁾ i
3P+E+2p	380-440 V AC	3PS2D30E01P ¹⁾	3PS2A30E01P ¹⁾
3P+N+E+2p	380-440 V AC	3PS2D3NE01P ¹⁾	3PS2A3NE01P ¹⁾

Accessories



Description	Cat. No.
Angled wall box 60° M63X1.5 (without cable gland)	3PS2WAS
Handle – outside cable diameter Min. 22 mm Max. 50 mm	3PS2G
60° incline sleeve	3PS2LB
Appliance inlet plug cap	3PS2PC
Spare locking levers	3PSBFR

Note: ¹⁾ Includes 2 x 16 A pilot pins
i Available on indent only.

10 A Multi-pin plugs and sockets

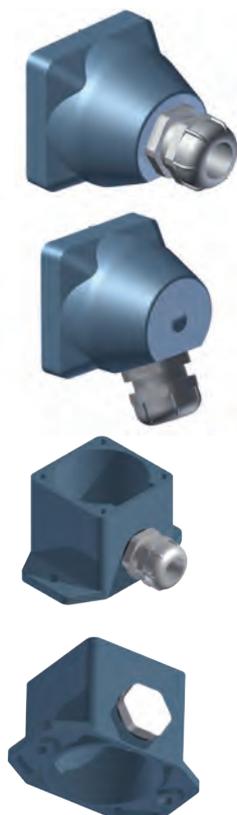
3PSS Series

Maximum cable sizes:	1.5 mm ² flexible	Temperature range:	-30°C to +60°C
Cable outside diameter:	Minimum 7 mm Maximum 13 mm	Housing material:	Polyamide
Stripping length (sheathing):	40 mm	Insert material:	Co-polyamide
Stripping length (insulation):	12 mm	Contact material:	Silver plated copper alloy
Nominal Voltage:	500 V	Screw and fastenings material:	Stainless steel
IP and IK rating:	Outlet IP 66 Outlet and inlet IP 66 IK 7	Seal type:	Neoprene
		Terminal type:	Soldered



Contacts	Nominal Voltage	Socket outlet Cat. No.	Appliance inlet Cat. No.
12	500 V AC	3PSS12DE12A	3PSS12AR12A

Accessories



Description	Cat. No.
Straight handle - Outside cable diameter Min. 7 mm. Max. 13 mm	3PSSGS
Angled handle - Outside cable diameter Min. 7 mm. Max. 13 mm	3PSSGA
Wall box	3PSSW
Panel mounting box	3PSSLB

3PV/3PX High current plugs and sockets

Used in heavy duty applications, the 3PV and 3PX ranges of industrial plugs and sockets suits a variety of industries including marine, mining and railways.

The 3PV range is connected using a simple screw ring system whereas the more rugged 3PX range uses a push pull system, recommended for use in cases where there may be regular connection/ disconnection or vibrations.

The contact between pin and socket is made thanks to a silver-plated self-cleaning slotted sleeve which guarantees a solid contact every time. Pilot pins as standard on all 3PV/3PX connectors ensure that no disconnection can be made under load.



Main items



3PV Appliance Inlet



3PV Plug



3PV Socket Outlet



3PV Extension Socket



3PX Angled Plug



3PX Straight Plug



3PX Socket Outlet



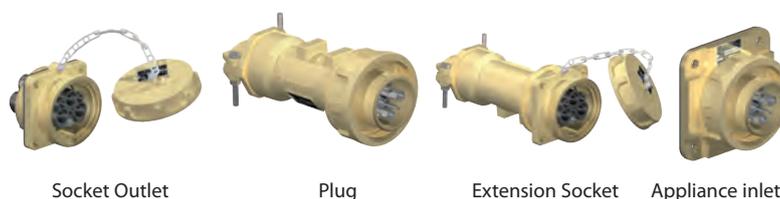
3PX Extension Socket

250 A High current plugs and sockets

3PV4 Series

Cable outside diameter:	Minimum 32 mm Maximum 62 mm
Stripping length (sheathing):	Sheathing (phases) 125mm Sheathing (earth) 130 mm
Stripping length (insulation):	See dimension C in 'Cable connection' table, page 51
Nominal Voltage:	3.3 kV
IP and IK rating:	Outlet IP 67 Outlet and inlet IP 67 IK 10
Temperature range:	-30°C to +60°C

Housing material:	Corrosion proof tempered cast aluminium
Insert material:	Thermo-hardening moulded plastic
Contact material:	Silver plated copper alloy
Screw and fastenings material:	Stainless steel
Seal type:	Neoprene
Contact assembly tightening torque:	4 Nm



Contacts	Max. Amp Rating	Cable Size mm ²	Terminal Type*	Socket Outlet ⁱ	Plug ⁱ	Extension Socket ⁱ	Appliance Inlet ⁱ
4 pole + 2 pilot pin	160	16-35	Screw	V4DE335V	V4PR335V	V4CE335V	V4AR335V
	160	35	Crimp	V4DE335	V4PR335	V4CE335	V4AR335
	250	50-70	Screw	V4DE350V	V4PR350V	V4CE350V	V4AR350V
	200	50	Crimp	V4DE350	V4PR350	V4CE350	V4AR350
	250	70	Crimp	V4DE370	V4PR370	V4CE370	V4AR370
	250	95	Crimp	V4DE395	V4PR395	V4CE395	V4AR395
5 pole + 2 pilot pins	160	16-35	Screw	V4DE435V	V4PR435V	V4CE435V	V4AR435V
	160	35	Crimp	V4DE435	V4PR435	V4CE435	V4AR435
	250	50-70	Screw	V4DE450V	V4PR450V	V4CE450V	V4AR450V
	200	50	Crimp	V4DE450	V4PR450	V4CE450	V4AR450
	250	70	Crimp	V4DE470	V4PR470	VRCE470	VRAR470

Note: *Screw type requires no special tools. Crimp type requires hexagonal crimping tool with a jaw adapted to the cable section. See page 51 for more information

Note:

ⁱ Available on indent.

570 A High current plugs and sockets

3PV5 Series

Cable outside diameter:	Minimum 45 mm Maximum 80 mm	Housing material:	Corrosion proof tempered cast aluminium
Stripping length (sheathing):	Sheathing (phases) 150 mm Sheathing (earth) 165 mm	Insert material:	Thermo-hardening moulded plastic
Stripping length (insulation):	See dimension C in 'Cable connection' table, page 51	Contact material:	Silver plated copper alloy
Nominal Voltage:	3.3 kV	Screw and fastenings material:	Stainless steel
IP and IK rating:	Outlet IP 67 Outlet and inlet IP 67 IK 10	Seal type:	Neoprene
Temperature range:	-30°C to +60°C	Contact assembly tightening torque:	20 Nm



Socket Outlet

Plug

Extension Socket

Appliance inlet

Contacts	Max. Amp Rating	Cable Size* mm ²	Socket Outlet ⁱ	Extension Socket ⁱ	Plug ⁱ	Appliance Inlet ⁱ
4 pole + 2 pilot pins	250	70	V5DE370	V5CE370	V5PR370	V5AR370
	320	95	V5DE395	V5CE395	V5PR395	V5AR395
	370	120	V5DE312	V5CE312	V5PR312	V5AR312
	420	150	V5DE315	V5CE315	V5PR315	V5AR315
	500	185	V5DE31816	V5CE31816	V5PR31816	V5AR31816
	570	240	V5DE32418	V5CE32418	V5PR32418	V5AR32418
5 pole + 2 pilot pins	250	70	V5DE470	V5CE470	V5PR470	V5AR470
	320	95	V5DE495	V5CE495	V5PR495	V5AR495
	320	120	V5DE412	V5CE412	V5PR412	V5AR412
	420	150	V5DE41516	V5CE41516	V5PR41516	V5AR41516
	500	185	V5DE41816	V5CE41816	V5PR41816	V5AR41816

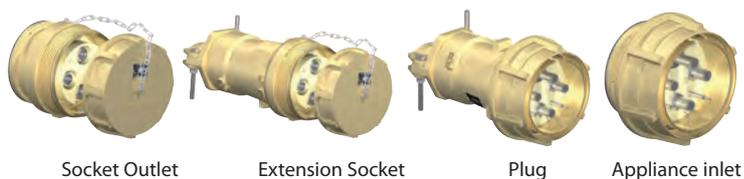
Note: * Crimp type requires hexagonal crimping tool with a jaw adapted to the cable section.
See page 51 for more information

Note:

ⁱ Available on indent.

660 A High current plugs and sockets 3PV6 Series

Cable outside diameter:	Minimum (short) 45 mm Maximum (short) 80 mm Minimum (long) 52 mm Maximum (long) 100 mm	Temperature range:	-30°C to +60°C
Stripping length (sheathing):	Sheathing (long) 220 mm Sheathing (short) 145 mm	Housing material:	Corrosion proof tempered cast aluminium
Stripping length (insulation):	See dimension C in 'Cable connection' table, page 51	Insert material:	Thermo-hardening moulded plastic
Nominal Voltage:	3.3 kV	Contact material:	Silver plated copper alloy
IP and IK rating:	Outlet IP 67 Outlet and inlet IP 67 IK 10	Screw and fastenings material:	Stainless steel
		Seal type:	Neoprene
		Contact assembly tightening torque:	25 Nm



Contacts	Max. Amp Rating	Cable Size* mm ²	Socket Outlet ⁱ	Extension Socket ⁱ	Plug ⁱ	Appliance Inlet ⁱ
4 pole + 2 pilot pins	500	185	V6DF318	V6CF318	V6PM318	V6AM318
	570	240	V6DF324	V6CF324	V6PM324	V6AM324
	660	300	V6DF330	V6CF330	V6PM330	V6AM330
5 pole + 2 pilot pins	500	185	V6DF418	V6CF418	V6PM418	V6AM418
	570	240	V6DF424	V6CF424	V6PM424	V6AM424
	660	300	V6DF430	V6CF430	V6PM430	V6AM430

Note* Crimp type requires hexagonal crimping tool with a jaw adapted to the cable section. See page 51 for more information

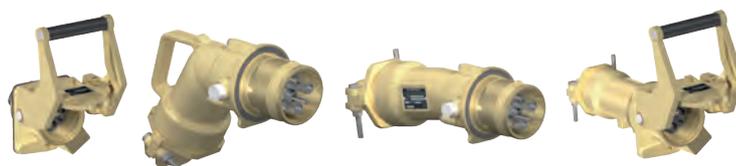
Note:

ⁱ Available on indent.

250 A High current plugs and sockets 3PX4 Series

Cable outside diameter:	Minimum 32 mm Maximum 60 mm
Stripping length (sheathing):	Sheathing (phases) 110 mm Sheathing (earth) 150 mm
Stripping length (insulation):	See dimension C in 'Cable connection' table, page 51
Nominal Voltage:	3.3 kV
IP and IK rating:	Outlet IP 67 Outlet and inlet IP 67 IK 10

Temperature range:	-30°C to +60°C
Housing material:	Corrosion proof tempered cast aluminium
Insert material:	Thermo-hardening moulded plastic
Contact material:	Silver plated copper alloy
Screw and fastenings material:	Stainless steel
Seal type:	Neoprene
Contact assembly tightening torque:	4 Nm



Socket Outlet Angled plug Straight Plug Extension Socket

Contacts	Max. Amp Rating	Terminal Type *	Cable Size mm ²	Socket Outlet ⁱ	Angled Plug (60°) ⁱ	Straight Plug (10°) ⁱ	Extension Socket ⁱ
4 pole + 2 pilot pin	160	Screw	16-35	X4DE335V	X4PR335V	X4PR335VS	X4CE335VS
	160	Crimp	35	X4DE335	X4PR335	X4PR335S	X4CE335S
	250	Screw	50-70	X4DE350V	X4PR350V	X4PR350VS	X4CE350VS
	200	Crimp	50	X4DE350	X4PR350	X4PR350S	X4CE350S
	250	Crimp	70	X4DE370	X4PR370	X4PR370S	X4CE370S
	250	Crimp	95	X4DE395	X4PR395	X4PR395S	X4CE395S
5 pole + 2 pilot pins	160	Screw	16-35	X4DE435V	X4PR435V	X4PR435VS	X4CE435VS
	160	Crimp	35	X4DE435	X4PR435	X4PR435S	X4CE435S
	250	Screw	50-70	X4DE450V	X4PR450V	X4PR450VS	X4CE450VS
	200	Crimp	50	X4DE450	X4PR450	X4PR450S	X4CE450S
	250	Crimp	70	X4DE470	X4PR470	X4PR470S	X4CE470S

Note: *Screw type requires no special tools. Crimp type requires hexagonal crimping tool with a jaw adapted to the cable section. See page 51 for more information

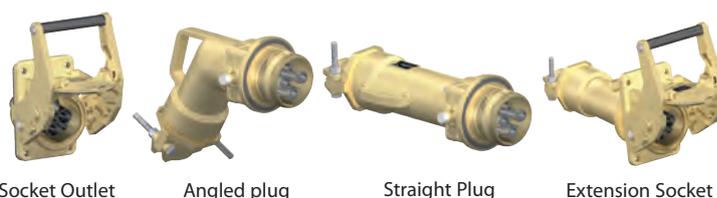
Note:

ⁱ Available on indent.

570 A High current plugs and sockets

3PX5 Series

Cable outside diameter:	Minimum 45 mm Maximum 80 mm	Temperature range:	-30°C to +60°C
Stripping length (sheathing):	Sheathing (60° - phases) 160 mm Sheathing (60° - earth) 120 mm Sheathing (Straight - phases) 200 mm Sheathing (Straight - earth) 210 mm	Housing material:	Corrosion proof tempered cast aluminium
Stripping length (insulation):	See dimension C in 'Cable connection' table, page 51	Insert material:	Thermo-hardening moulded plastic
Nominal Voltage:	3.3 kV	Contact material:	Silver plated copper alloy
IP and IK rating:	Outlet IP 67 Outlet and inlet IP 67 IK 10	Screw and fastenings material:	Stainless steel
		Seal type:	Neoprene
		Contact assembly tightening torque:	20 Nm



Contacts	Max. Amp Rating	Cable Size* mm ²	Socket Outlet ⁱ	Angled Plug (60°) ⁱ	Straight Plug ⁱ	Extension Socket ⁱ
4 pole + 2 pilot pins	250	70	X5DE370	X5PR370	X5PR370S	X5CE370S
	320	95	X5DE395	X5PR395	X5PR395S	X5CE395S
	370	120	X5DE312	X5PR312	X5PR312S	X5CE312S
	420	150	X5DE315	X5PR315	X5PR315S	X5CE315S
	500	185	X5DE31816	X5PR31816	X5PR318S16	X5CE318S16
	570	240	X5DE32418	X5PR32418	X5PR324S18	X5CE324S18
5 pole + 2 pilot pins	250	70	X5DE470	X5PR470	X5PR470S	X5CE470S
	320	95	X5DE495	X5PR495	X5PR495S	X5CE495S
	320	120	X5DE412	X5PR412	X5PR412S	X5CE412S
	420	150	X5DE41516	X5PR41516	X5PR415S16	X5CE415S16
	500	185	X5DE41816	X5PR41816	X5PR418S16	X5CE418S16

Note: *Crimp type requires hexagonal crimping tool with a jaw adapted to the cable section.
See page 51 for more information

Note:

ⁱ Available on indent.

660 A High current plugs and sockets

3PX6 Series

Cable outside diameter:	Minimum (long) 45 mm Maximum (long) 80 mm Minimum (short) 52 mm Maximum (short) 100 mm	Housing material:	Corrosion proof tempered cast aluminium
Stripping length (sheathing):	Sheathing (long) 220 mm Sheathing (short) 145 mm	Insert material:	Thermo-hardening moulded plastic
Stripping length (insulation):	See dimension C in 'Cable connection' table, page 51	Contact material:	Silver plated copper alloy
Nominal Voltage:	3.3 kV	Screw and fastenings material:	Stainless steel
IP and IK rating:	Outlet IP 67 Outlet and inlet IP 67 IK 10	Seal type:	Neoprene
Temperature range:	-30°C to +60°C	Contact assembly tightening torque:	25 Nm



Socket Outlet

Straight Plug

Extension Socket

Contacts	Max. Amp Rating	Cable Size* mm ²	Socket Outlet ⁱ	Straight Plug ⁱ	Extension Socket ⁱ
4 pole + 2 pilot pins	500	185	X6DF318	X6PM318S	X6CF318S
	570	240	X6DF324	X6PM324S	X6CF324S
	660	300	X6DF330	X6PM330S	X6CF330S
5 pole + 2 pilot pins	500	185	X6DF418	X6PM418S	X6CF418S
	570	240	X6DF424	X6PM424S	X6CF424S
	660	300	X6DF430	X6PM430S	X6CF430S

Note: *Crimp type requires hexagonal crimping tool with a jaw adapted to the cable section. See page 51 for more information.

Note:

ⁱ Available on indent.



NHP's CUSTOMISING MILLING MACHINE IN ACTION

NHP NATIONAL MANUFACTURING AND DISTRIBUTION CENTRE

NHP CUSTOMISED SOLUTIONS WITH ISO

With the expanded range of ISO back boxes & accessories now available, NHP can offer fully customisable, built & 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.

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



Pushbuttons



Timers & relays



Circuit Protection



Cam switch



Terminals

ISO Plugs and sockets technical data

Switched socket outlets

Cat. No.	Switching Poles	AC 23 Rating	M Rating	Rated Current	Number of Pins	Conductor Terminal Size in mm ²		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	-
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

Cat. No.	Rated Current	Number of Pins	Conductor Terminal Size in mm ²		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	-
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

Cat. No.	Switching Poles	AC 23 Rating	M Rating	Rated Current	Conductor Size in mm ²		IP Rating	Base depth
					Min.	Max.		
ISOSW110xx	2	10 A	M80	10A	1.5	6	IP 66	38mm
ISOSW110xxDB	2	10 A	M80	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	M80	15A	1.5	6	IP 66	38mm
ISOSW115xxDB	2	15 A	M80	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	M100	20A	2.5	6	IP 66	63mm
ISOSW332xx	3	32 A	M100	32A	4	16	IP 66	63mm
ISOSW340xx	3	40 A	M100	40A	10	16	IP 66	63mm
ISOSW350xx	3	50 A	M200	50A	10	16	IP 66	63mm
ISOSW420xx	4	20 A	M100	20A	2.5	16	IP 66	63mm
ISOSW432xx	4	32 A	M100	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 ²		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
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)

ISO Plugs and sockets technical data

Extension Sockets

Cat. No.	Rated Current	Number of pins	Conductor Terminal Size in mm ²		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

Cat. No.	Rated Current	Number of pins	Conductor Terminal Size in mm ²		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; grey (G), resistant orange (RO)

ISO Plugs and sockets technical data

RCD Protected Outlets

Cat. No.	Rated Current	Number of pins	Conductor Terminal Size in mm ²		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	-
ISOSO310LRCDxxx	10 A	2 Flat 1 round earth	1.5	6	30 mA	IP 66	ISOPS310LP	-
ISOSO315RCDxxx	15 A	3 Flat	1.5	6	30 mA	IP 66	ISOPS315P	-
ISOSO320RCDxxx	20 A	3 Round	2.5	6	30 mA	IP 66	ISOPS320P	-
ISOSO332RCDxxx	32 A	3 Round	4	16	30 mA	IP 66	ISOPS332P	-
ISOSO410RCDxxx	10 A	4 Round	1.5	6	30 mA	IP 66	ISOPS410P	-
ISOSO420RCDxxx	20 A	4 Round	2.5	6	30 mA	IP 66	ISOPS420P	ISOPA420P
ISOSO432RCDxxx	32 A	4 Round	4	16	30 mA	IP 66	ISOPS432P	ISOPA432P
ISOSO450RCDxxx	40 A	4 Round	10	16	30 mA	IP 66	ISOPS440P	ISOPA440P
ISOSO440RCDxxx	50 A	4 Round	10	16	30 mA	IP 66	ISOPS450P	ISOPA540P
ISOSO510RCDxxx	10 A	5 Round	1.5	6	30 mA	IP 66	ISOPS510P	-
ISOSO520RCDxxx	20 A	5 Round	2.5	6	30 mA	IP 66	ISOPS520P	ISOPA520P
ISOSO532RCDxxx	32 A	5 Round	4	16	30 mA	IP 66	ISOPS532P	ISOPA532P
ISOSO540RCDxxx	40 A	5 Round	10	16	30 mA	IP 66	ISOPS540P	ISOPA540P
ISOSO550RCDxxx	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), Grey NHP Din-Safe (TEPG) or Resistant Orange NHP Din-Safe (TERO).

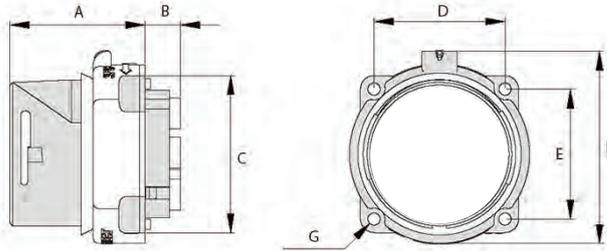
Switched RCD Protected Outlet

Cat. No.	Rated Current	Number of pins	Conductor Terminal Size in mm ²		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), Grey NHP Din-Safe (TEPG) or Resistant Orange NHP Din-Safe (TERO).

Isolating plugs and sockets dimensions (mm)

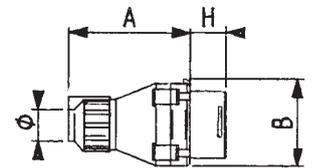
Appliance Inlet



Series	A	B	C θ	D	E	F	G θ	kg
3PS16	49.5	13	57	48	48	71	4.5	0.14
3PS32	54.5	16	69	55	55	82.4	4.5	0.23
3PS63	62.5	25.5	80	66	66	96.4	5.5	0.39
3PS125	77	24	99.5	81	81	122.5	5.5	0.75
3PS200	82	37	116	98	98	137	5.5	1.48

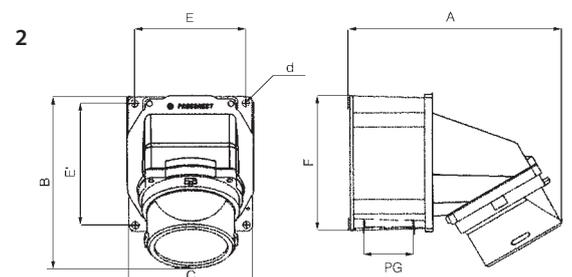
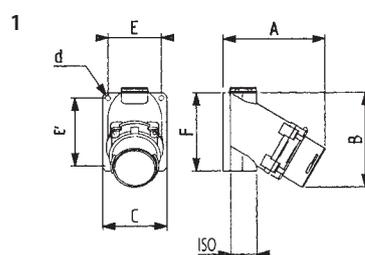
Appliance inlet with handle

Series	A	B	C	Diam.	kg
3PS16	100	71	30.5	18	0.22
3PS32	115	82	34	22	0.33
3PS63	133	96	40	29	0.56
3PS125	167	125	48	39	1.20
3PS200	260	143	54	50	2.60



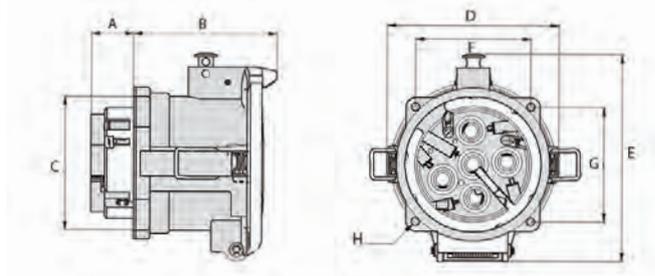
Angled wall box with appliance inlet

Series	A	B	C	D	E	E'	F	kg	Draw No.	ISO
3PS16	114	108	82	6	69	69	82	0.22	1	M20x1.5
3PS32	134	128	91	7	78	88	101	0.36	1	M25x1.5
3PS63	169	156	106	8	88	111	129	0.64	1	M40x1.5
3PS125	223	204	155	9	139	154	170	2.85	2	M50x1.5
3PS200	266	216	155	9	139	154	170	3.64	2	M63x1.5



Isolating plugs and sockets dimensions (mm)

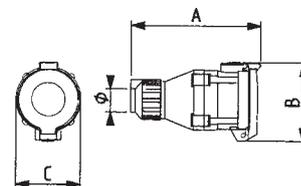
Socket Inlet



Series	A	B	C θ	D	E	F	G	H θ	Kg
3PS16	13	71	57	72	97.5	48	48	4.5	0.24
3PS32	16.5	77	69	82	107.5	55	55	4.5	0.38
3PS63	25	89.5	80	100	123.5	66	66	5.5	0.64
3PS125	24	122	99.5	129.2	145	81	81	6	1.50
3PS200	36	122	116	146	177	98	98	6.8	2.40

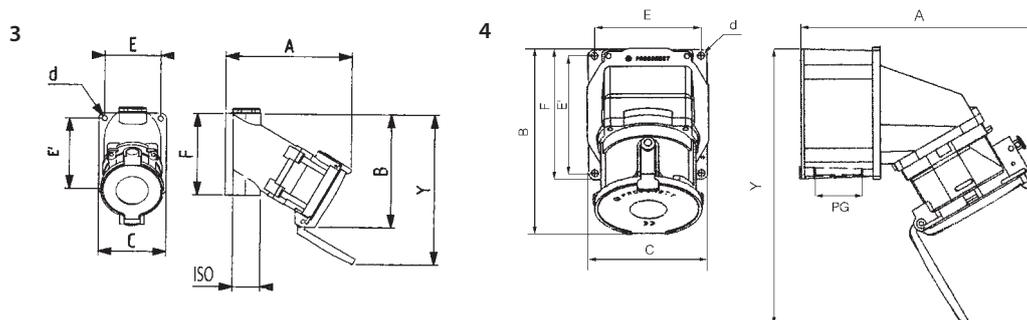
Socket outlet with handle

Series	A	B	C	Diam.	kg
3PS16	151	97	72	18	0.30
3PS32	172	107	82	22	0.47
3PS63	201	123	99	29	0.79
3PS125	261	145	129	39	1.90
3PS200	353	177	144	50	3.15



Angled wall box with socket outlet

Series	A	B	C	D	E	E'	F	Y	kg	Draw No.	ISO
3PS16	141	126	82	6	69	69	82	196	0.31	3	M20x1.5
3PS32	162	148	91	7	78	88	101	226	0.50	3	M25x1.5
3PS63	202	180	106	8	88	111	129	273	0.88	3	M40x1.5
3PS125	285	242	155	9	139	154	170	354	3.59	4	M50x1.5
3PS200	308	248	155	9	139	154	170	375	4.34	4	M63x1.5

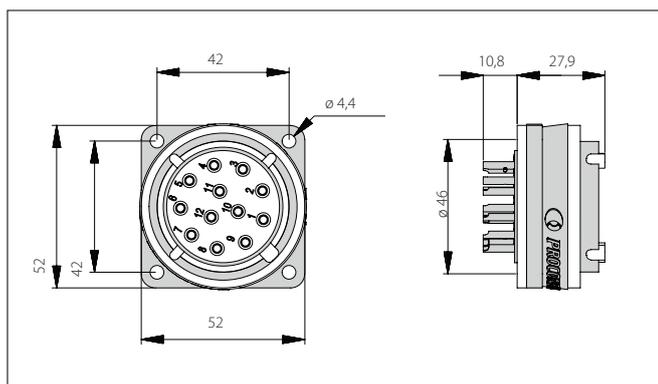


Isolating plugs and sockets dimensions (mm)

3PSS

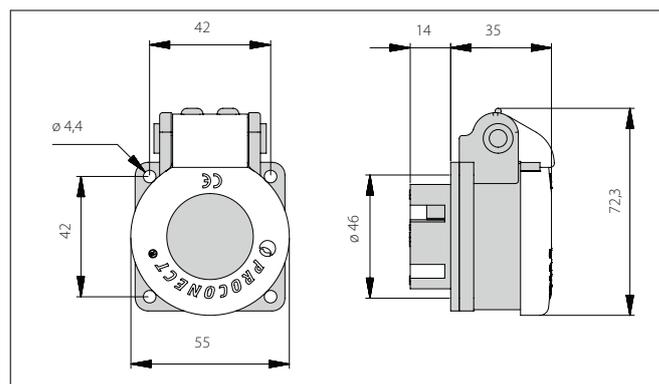
Appliance Inlet

Weight: 0.073 kg



Socket Outlet

Weight: 0.081 kg

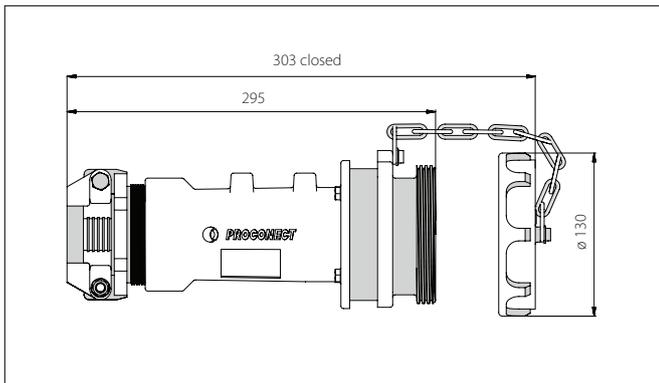


High current plugs and sockets dimensions (mm)

3PV4

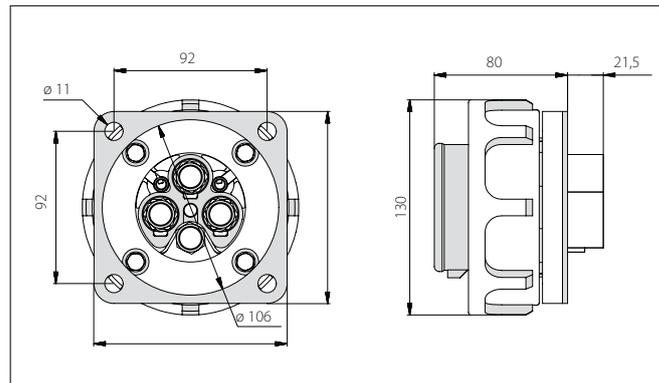
Extension Socket

Weight: 2.7 kg



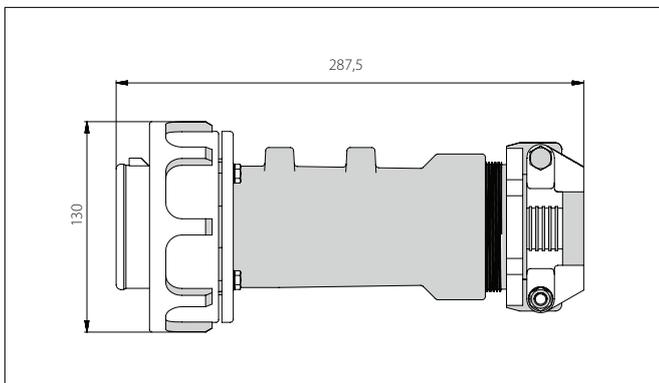
Appliance Inlet

Weight: 2.7 kg



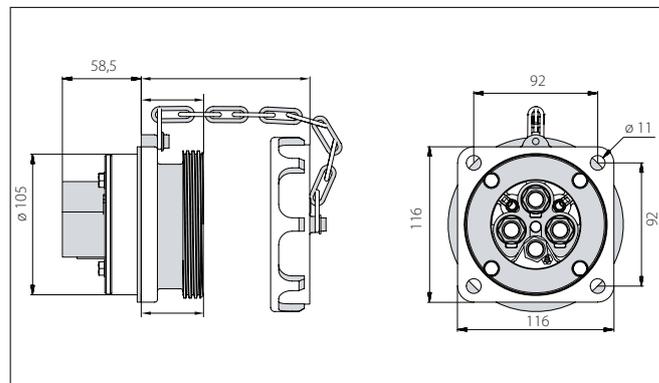
Plug

Weight: 2.3 kg



Socket Outlet

Weight: 1.7 kg

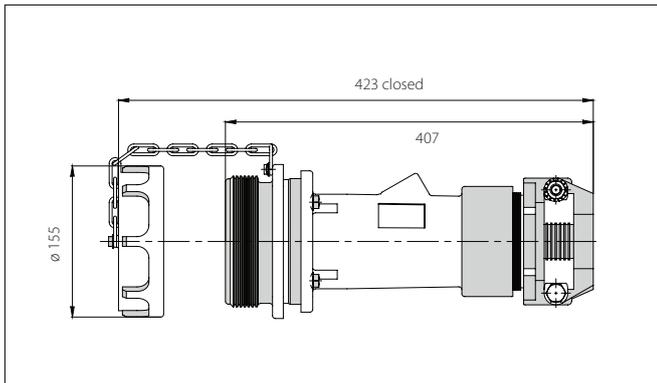


High current plugs and sockets dimensions (mm)

3PV5

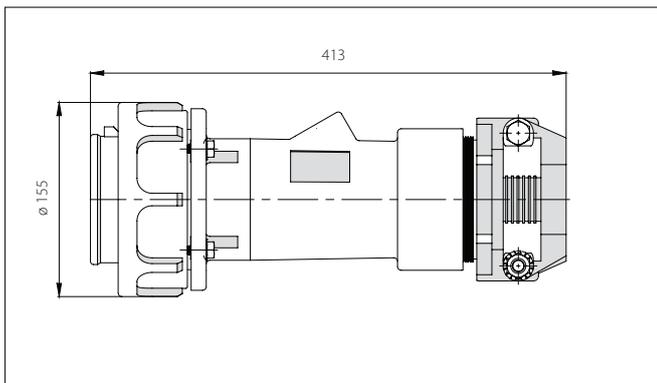
Extension Socket

Weight: 5 kg



Plug

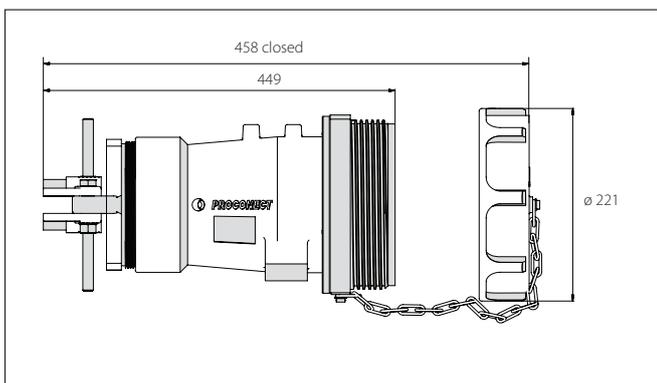
Weight: 4.7 kg



3PV6

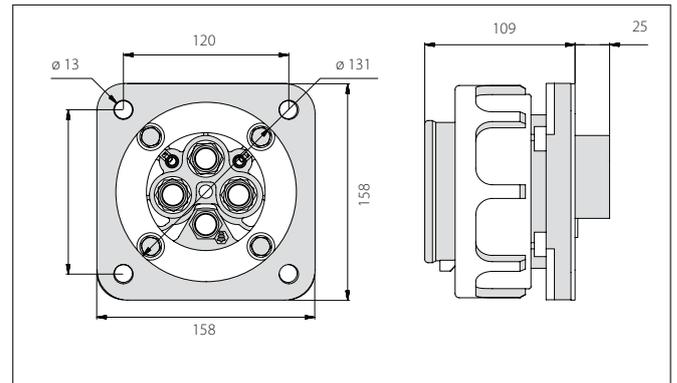
Extension Socket

Weight: 9.5 kg



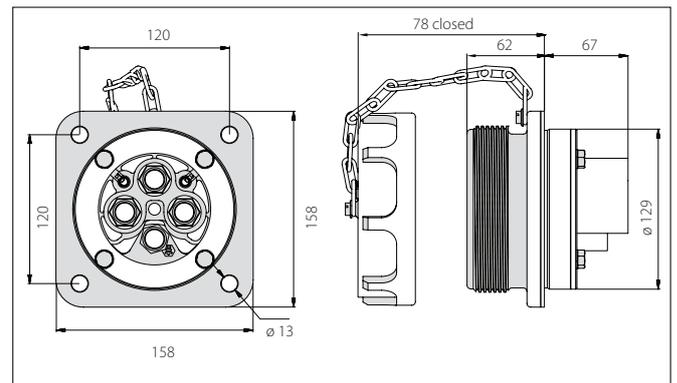
Appliance Inlet

Weight: 3 kg



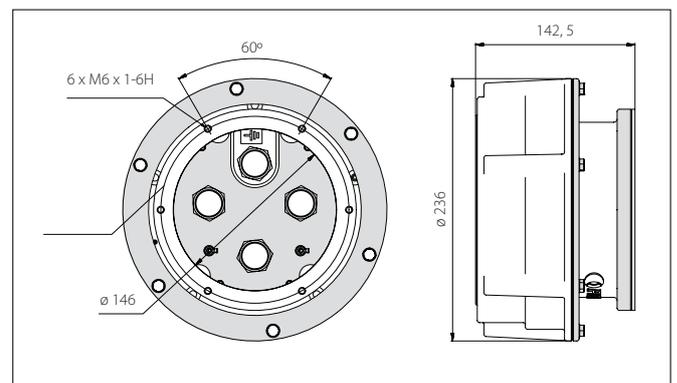
Socket Outlet

Weight: 3.1 kg



Appliance Inlet

Weight: 5.4 kg

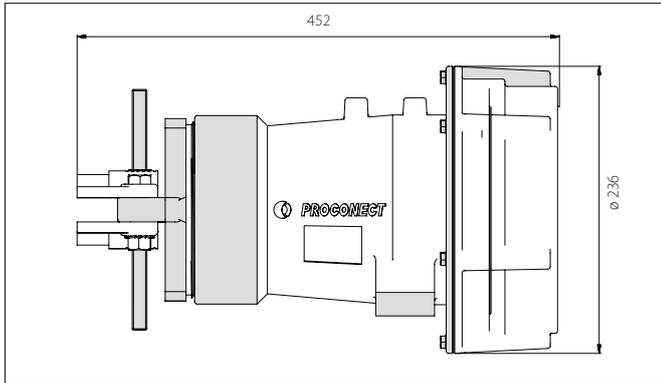


High current plugs and sockets dimensions (mm)

3PV6

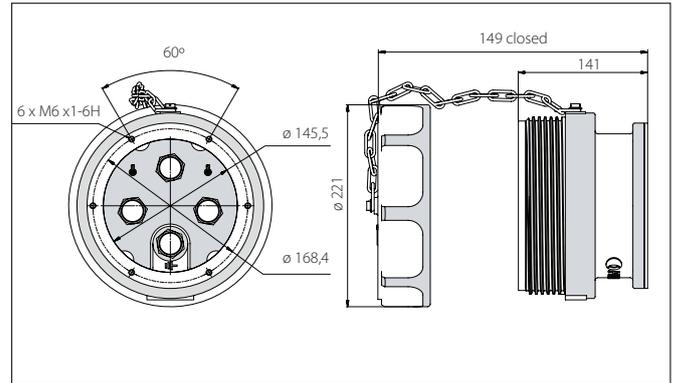
Plug

Weight: 8 kg



Socket Outlet

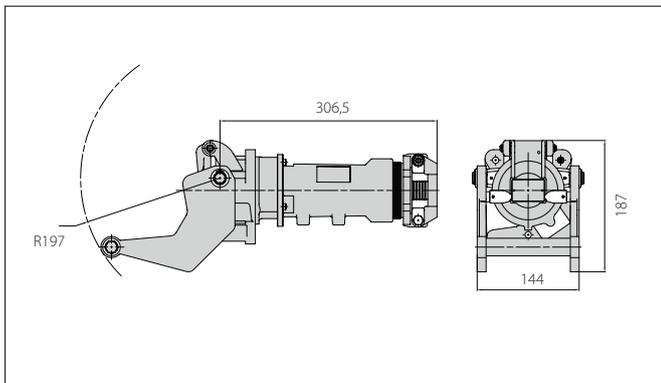
Weight: 6 kg



3PX4

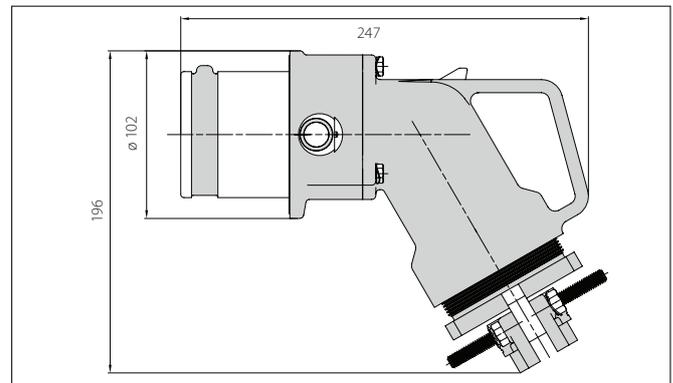
Extension Socket

Weight: 3.5 kg



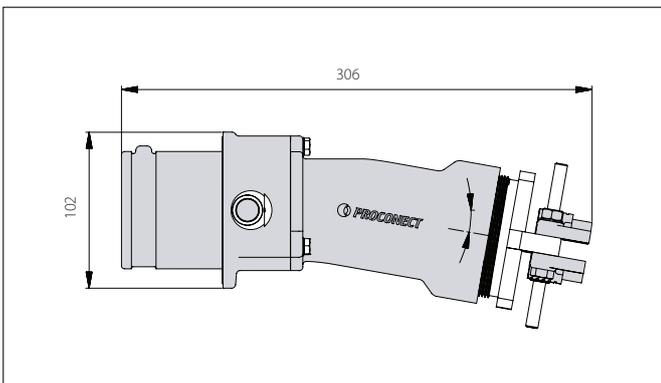
Angled Plug

Weight: 2.1 kg



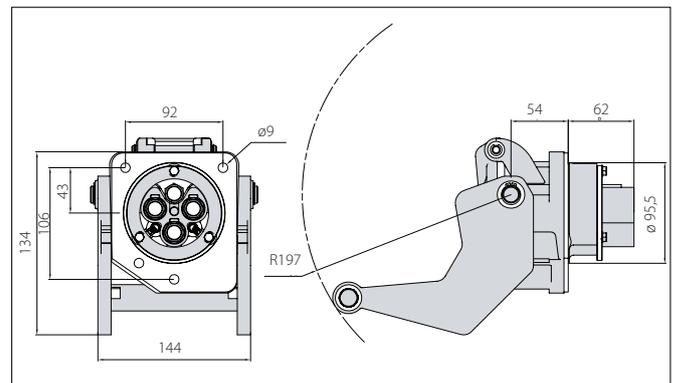
Straight Plug (10°)

Weight: 2 kg



Socket Outlet

Weight: 2.2 kg

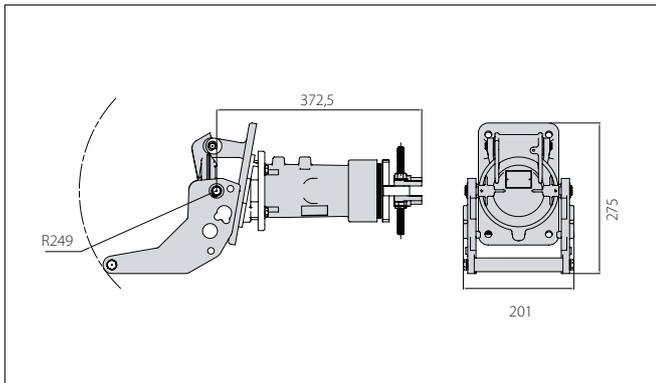


High current plugs and sockets dimensions (mm)

3PX5

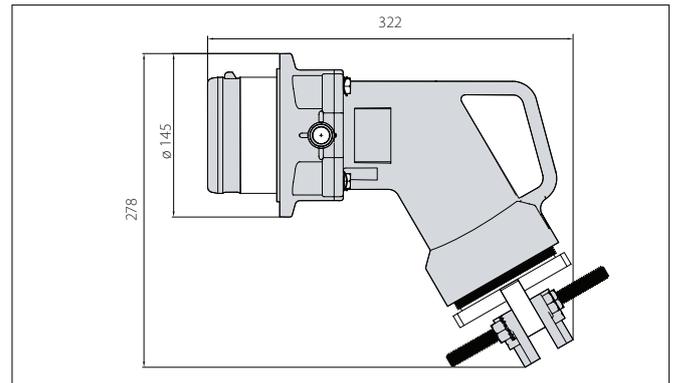
Extension Socket

Weight: 7.5 kg



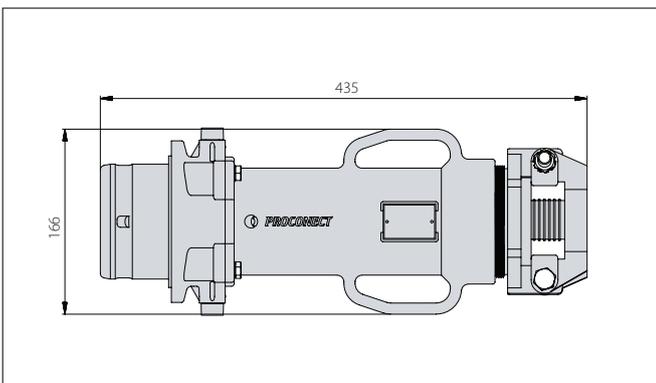
Angled Plug

Weight: 4.6 kg



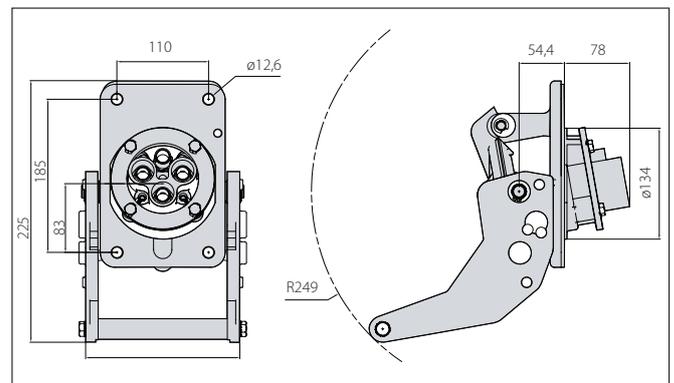
Straight Plug (10°)

Weight: 4.9 kg



Socket Outlet

Weight: 5.3 kg

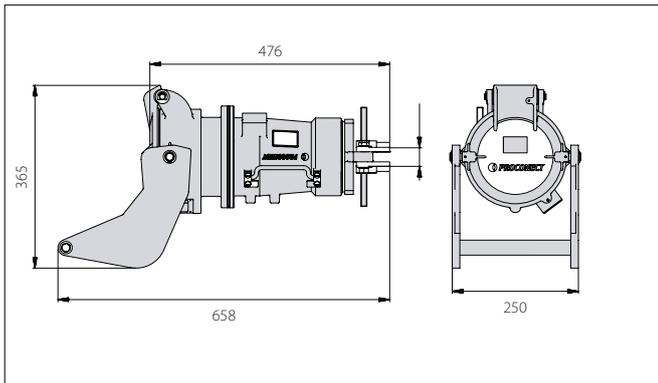


High current plugs and sockets dimensions (mm)

3PX6

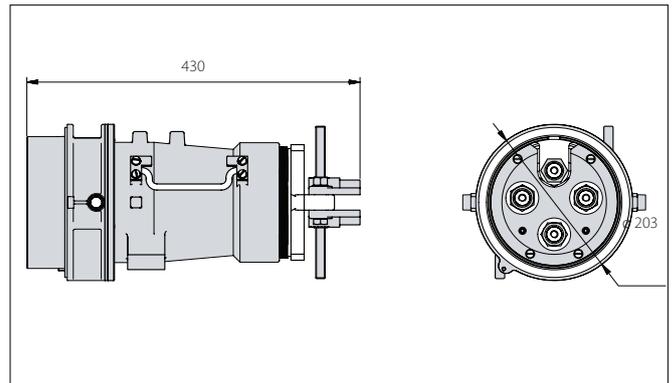
Extension Socket

Weight: 11.7 kg



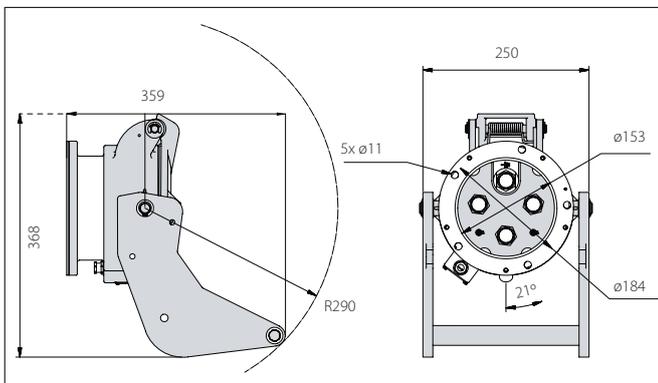
Straight Plug

Weight: 8.8 kg



Socket Outlet

Weight: 5.3 kg



Pilot pins / electrical interlocking

2 pilot pins are delivered as standard in all our connectors 3PV / 3PX.

The 3PV/3PX series feature pilot pins as standard, the pilot pin system is a last to make first to break and is used to prevent injury to person if connection/disconnection is made under load. The supply should be isolated before connection/disconnection is made under normal use.

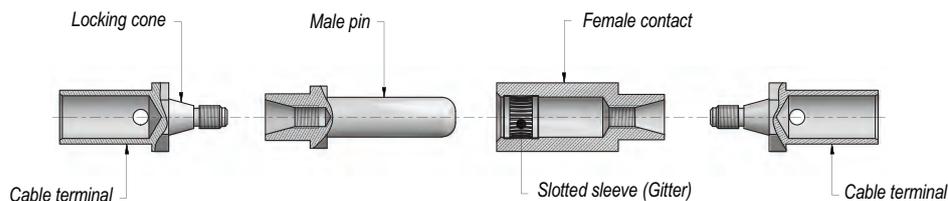
Contacts

Contacts are built in 2 parts:

- One front part, male or female used for the connection itself
- One back part, called the terminal, in which the cable is crimped, screwed or soldered. A threaded cone then screws into the contact.

The 3PV/3PX4 and 5 series feature IP2X protection on the supply parts i.e. Socket Outlets and Extension Sockets, this is achieved by an insulated tip on the contact and the contact housing.

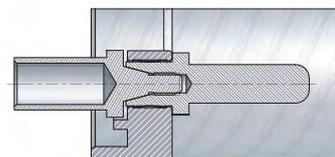
The 3PV/3PX6 series due to its size has no touch proof rating on the supply parts, the pilot pins must be used to switch the supply/load to ensure no supply is present once the plug or extension sockets is unplugged.



Multipoint contacts

The contact between the pin (male) and the socket (female) is made thanks to a silver-plated self-cleaning slotted sleeve (CuBe2).

This contact guaranties a great number of connection points, an excellent temperature resistance (up to 200°C /392°F), and a low insertion force.

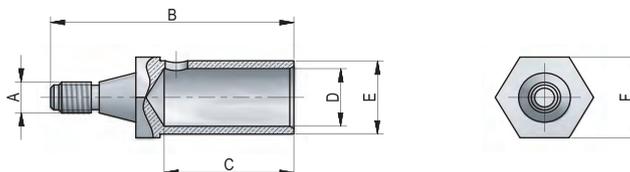


Earthing

The earth contact is secured directly to the body shell and earth continuity is guaranteed by means of a gitter contact.

3PV/3PX technical information

Dimensions (mm) - Back terminals



Section (mm)		3PV4 / 3PX4						3PV5 / 3PX5						3PV6 / 3PX6					
		A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F
10	3P+E/4P+E							M8	43	15	Ø5,6	Ø8,1	21						
16	3P+E/4P+E							M8	43	13	Ø6,3	Ø8,8	21	M10	48	13	Ø6,3	Ø8,8	28
25	3P+E/4P+E	M5/M5	36/36	15/15	Ø8,2/Ø8,2	Ø11/Ø11	17/14	M8	43	15	Ø8,2	Ø11	21	M10	52	15	Ø8,2	Ø11	28
35	3P+E/4P+E	M5/M5	50/50	24/24	Ø9,5/ Ø9,5	Ø13/ Ø13	17/14	M8	57	24	Ø9,5	Ø13	21	M10	52	24	Ø9,5	Ø13	28
50	3P+E/4P+E	M5/M5	50/50	29/24	Ø10,8/ Ø10,8	Ø14/ Ø14	17/14	M8	52	24	Ø10,8	Ø14	21	M10	60	24	Ø10,8	Ø14	28
70	3P+E/4P+E	M5/M5	50/52	29/29	Ø13/ Ø13	Ø17/ Ø17	17/14	M8	56	29	Ø13	Ø17	21						
95	3P+E/4P+E	M5	55	30	Ø15	Ø19	17	M8	60	32	Ø15	Ø19	21	M10	66	35	Ø15	Ø19	28
120	3P+E/4P+E							M8	64	35	Ø16,5	Ø21	21	M10	66	35	Ø16,5	Ø21	28
150	3P+E/4P+E							M8	64	35	Ø18,5	Ø22,5	21						
185	3P+E/4P+E							M8	62	32	Ø21	Ø25	21	M10	74	43	Ø21	Ø26	28
240	3P+E/4P+E							M8	76	43	Ø23	Ø28	21	M10	74	43	Ø23	Ø28	28
300	3P+E/4P+E													M10	80	49	Ø27	Ø33	29

Terminals – crimping instructions

Crimp the cables into the terminals, using a hexagonal crimping tool, with the jaw adapted to the cable section

Insert the terminals at the backside of the insert and block them in the hexagonal shapes of the insert (care: if terminals are not correctly positioned, contacts will not be connected properly and it may generate overheating).

Introduce the contacts by the front side of the insert and screw them into the terminals, using a wrench torque fitted with a long hexagonal socket.



Cross reference chart

3PS Series



Socket outlet

Note: Not all units are interchangeable

NHP - 3PS16	Contacts	Marechal - DS 1
3PS1D1NE01	1P+N+E	3114015
3PS1D30E01	3P+E	3114013
3PS1D3NE01	3P+N+E	3114017
3PS16D1NE01P	1P+N+E+2P	3114015972
3PS16D30E01P	3P+E+2P	3114013972
3PS16D3NE01P	3P+N+E+2P	3114017972
NHP - 3PS32	Contacts	Marechal - DS 3
3PS3D1NE01	1P+N+E	3134015
3PS3D30E01	3P+E	3134013
3PS3D3NE01	3P+N+E	3134017
3PS32D1NE01P	1P+N+E+2P	3134015972
3PS32D30E01P	3P+E+2P	3134013972
3PS32D3NE01P	3P+N+E+2P	3134017972
NHP - 3PS63	Contacts	Marechal - DS 6
3PS6D1NE01	1P+N+E	3164015
3PS6D30E01	3P+E	3164013
3PS6D3NE01	3P+N+E	3164017
3PS63D1NE01P	1P+N+E+2P	3164015972
3PS63D30E01P	3P+E+2P	3164013972
3PS63D3NE01P	3P+N+E+2P	3164017972
NHP - 3PS125	Contacts	Marechal - DS 9
3PS9D1NE01	1P+N+E	3194015
3PS9D30E01	3P+E	3194013
3PS9D3NE01	3P+N+E	3194017
3PS9D1NE01P	1P+N+E+2P	3194015972
3PS9D30E01P	3P+E+2P	3194013172
3PS9D3NE01P	3P+N+E+2P	3194017972
NHP - 3PS200	Contacts	Marechal - DS 2
3PS2D1NE01	1P+N+E	3924015
3PS2D30E01	3P+E	3924013
3PS2D3NE01	3P+N+E	3924017
3PS2D1NE01P	1P+N+E+2P	3924015972
3PS2D30E01P	3P+E+2P	3924013972
3PS2D3NE01P	3P+N+E+2P	3924017972

Cross reference chart

3PS Series



Appliance inlet

Note: Not all units are interchangeable

NHP - 3PS16	Contacts	Marechal - DS 1
3PS1A1NE01	1P+N+E	3118015
3PS1A30E01	3P+E	3118013
3PS1A3NE01	3P+N+E	3118017
3PS16A1NE01P	1P+N+E+2P	3118015972
3PS16A30E01P	3P+E+2P	3118013972
3PS16A3NE01P	3P+N+E+2P	3118017972
NHP - 3PS32	Contacts	Marechal - DS 3
3PS3A1NE01	1P+N+E	3138015
3PS3A30E01	3P+E	3138013
3PS3A3NE01	3P+N+E	3138017
3PS32A1NE01P	1P+N+E+2P	3138015972
3PS32A30E01P	3P+E+2P	3138013972
3PS32A3NE01P	3P+N+E+2P	3138017972
NHP - 3PS63	Contacts	Marechal - DS 6
3PS6A1NE01	1P+N+E	3168015
3PS6A30E01	3P+E	3168013
3PS6A3NE01	3P+N+E	3168017
3PS63A1NE01P	1P+N+E+2P	3168015972
3PS63A30E01P	3P+E+2P	3168013972
3PS63A3NE01P	3P+N+E+2P	3168017972
NHP - 3PS125	Contacts	Marechal - DS 9
3PS9A1NE01	1P+N+E	3198015
3PS9A30E01	3P+E	3198013
3PS9A3NE01	3P+N+E	3198017
3PS9A1NE01P	1P+N+E+2P	3198015972
3PS9A30E01P	3P+E+2P	3198013172
3PS9A3NE01P	3P+N+E+2P	3198017972
NHP - 3PS200	Contacts	Marechal - DS 2
3PS2A1NE01	1P+N+E	3928015
3PS2A30E01	3P+E	3928013
3PS2A3NE01	3P+N+E	3928017
3PS2A1NE01P	1P+N+E+2P	3928015972
3PS2A30E01P	3P+E+2P	3928013972
3PS2A3NE01P	3P+N+E+2P	3928017972

Cross reference chart

3PS Series

Angled wall box 	NHP-3PS	Marechal - DS
	3PS1WA-S	311A053
	3PS3WA-S	313A053
	3PS6WA-S	316A053
	3PS9WA-S	399A653
	3PS2WA-S	392A053
Incline sleeve 	NHP-3PS	Marechal - DS
	3PS1-LB	311A027
	3PS3-LB	313A027
	3PS6-LB	316A027
	3PS9-LB	319A027
	3PS2-LB	392A027
Handle standard gland 	NHP-3PS	Marechal - DS
	3PS1G	311A013
	3PS3G	313A013
	3PS6G	316A013
	3PS9G	319A01303
	3PS2G	392A01303
Handle with removable gland 	NHP-3PS	Marechal - DS
	3PS1G-FP	311A253419
	3PS3G-FP	313A253420
	3PS6G-FP	316A253429
Appliance inlet plug cap 	NHP-3PS	Marechal - DS
	3PS1-PC	311A126
	3PS3-PC	313A126
	3PS6-PC	316A126
	3PS9-PC	319A126
	3PS2-PC	312A126

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