



Electrical

PLUG AND SOCKET CABLE COUPLINGS

SWITCHES, FUSEGEAR

GROUND BOXES

Etc.



ABOARD SHIP

IN THE DOCKYARD

BATTERY CHARGING

AIRCRAFT AND AIRFIELDS

MARKETS AND FAIRGROUNDS

ROAD AND RAIL TRANSPORT

PORTABLE TOOLS AND APPLIANCES

RADIO REMOTE CONTROL CIRCUITS

TEMPORARY LIGHTING INSTALLATIONS

**PRICE LIST IN POCKET
OF BACK COVER**

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20a Edition (supplementary to 20th Edition).

JANUARY, 1953



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STANDARD CONDITIONS OF SALE

PRICES

All prices quoted by this Company in its price lists or in special quotations are based on the cost of materials, labour and transport ruling on the date of quotation. If between the date of quotation and the date of delivery to the Buyer there are any variations in any such items, the price shall be increased or reduced proportionately.

PACKING CASES

Packing cases and other packing shall be charged to the Buyer and the amounts so charged shall be payable at the same time as the Contract price, but credit will be given if these are returned to this Company's works in good condition, CARRIAGE PAID, within one month of receipt.

DELIVERY

This Company will use its best endeavours to execute orders to time, but any period or date of delivery specified in any tender or order is to be deemed an estimate only and this Company is not to be liable for any loss or damage arising in any circumstances out of late delivery. When delivery by instalments is specified, each delivery shall constitute a separate Contract and the failure of one delivery shall not vitiate the Contract as to the remaining deliveries.

BREAKAGES OR SHORTAGES

Any claim respecting damage or shortage of goods supplied must be made in writing within seven days after delivery of goods or within fourteen days after receipt by the Buyer from this Company of a dispatch note (whichever period shall first terminate) or within such shorter period as may for the time being be requisite to permit this Company to make claims upon the carriers concerned. Figures in documents issued by carriers will not be accepted as evidence of shortage.

SUBSTITUTION OF IMPROVED DESIGNS

This Company reserves the right to supply goods incorporating any alterations from the design ordered by the Buyer which shall be considered by this Company to be an improvement upon the designs so ordered.

WARRANTY

This Company agrees to have repaired or replaced without cost at its factory any part of the goods sold which within six months from date of dispatch from this Company's factory, shall prove to the satisfaction of this Company's representatives to have been defective in either workmanship or material when dispatched, but the Buyer shall have no right to claim any expenses of dispatch to and collection from this Company's factory or any claim on account of loss of profit, stoppage of plant or machinery, special, indirect or consequential damage, or for any other loss, damage or expense by reason of the defect, unsuitability of goods for the purpose ordered and supplied or otherwise howsoever. Provided that no claim for repair or replacement of any such defective part shall be accepted if the Buyer has caused any alterations or repairs to be made or work to be done to the goods sold by any person other than this Company's employees.

All warranties, guarantees and conditions other than those expressly stated herein whether implied by common law, statute, custom of the trade, or otherwise shall be expressly excluded.

TRADE MARK AND PATENT RIGHTS

The Buyer shall not infringe in any way the Trade Mark or Patent rights owned by the Company and shall inform any persons to whom the Buyer may resell goods supplied by this Company that the word NIPHAN is a Registered Trade Mark of this Company.

TERMS OF PAYMENT AND NEW ACCOUNTS

Unless an account has been opened, cash with order, or against Bill of Lading.
Firms desirous of opening an account should furnish us with a Banker's and two Trade References. Monthly accounts with 2½ per cent cash discount are payable on or before the end of the month following that in which the goods have been delivered. No discount allowed on overdue accounts. Cheques, postal orders and money orders to be made payable to the Company.

HOME ORDERS

Carriage charged on orders under £10. London delivery free.

ORDERS FROM NORTHERN IRELAND AND EIRE

Carriage is paid to the last English or Scottish port, Customs clearance charges, and carriage to destination being chargeable to the Buyer.

EXPORT ORDERS

Foreign or Colonial orders are delivered F.O.B. British port, packing being charged at cost. Arrangements for payment against Bills of Lading should be made on notification of dispatch.

All business transacted hereunder shall be subject to exchange control regulations and the regulations regarding import and export and all other laws from time to time in force. This Company will use its best endeavours to obtain all consents and licences (other than licences to import into countries outside the United Kingdom, which shall be obtained by the Buyer), which may be required but shall not incur any responsibility by reason of any refusal or failure by the competent authority to grant any such consent or licence.

EXCLUSION OF OTHER CONDITIONS

Any negotiations, conversations or understanding whether before or after the date of the contract for sale incorporating these Conditions are not to have effect unless evidenced in writing signed after the date hereof by the Buyer and an officer of this Company and in particular this Company does not agree to be bound by any conditions included in any form of order used by the Buyer unless expressly accepted in writing as aforesaid.

The Contract for Sale incorporating these Conditions shall be construed according to the law of England and shall be subject to the exclusive jurisdiction of the English Courts.



PLUG AND SOCKET CABLE COUPLINGS

for

ELECTRIC CABLES

As supplied to the Admiralty, War Office, Air Ministry, Ministry of Supply, Ministry of Works, Crown Agents for the Colonies, Foreign Governments and Industry.

Standard Ratings : 3 to 600 Amps. 50 to 500 Volts.

NIPHAN Cable Couplings have been devised to provide a simple but efficient means of connecting Portable Electric Lighting and Power Installations, and to enable an Installation to be erected, varied, or removed as required by unskilled labour in the minimum of time and without tools or waste of materials.

The NIPHAN Industrial Weathertight Coupling of to-day shows many improvements over the original designs first made some forty years ago, but the essential dimensions have been precisely maintained to guarantee perfect interchangeability with the numerous early patterns still in use throughout the world.

This abridged 20th Edition of the NIPHAN catalogue contains details of standard NIPHAN Plugs and Sockets up to 50 amps. together with switches up to 15 amp. 500 volt. There is also a section showing NIPHAN Couplings made to B.S. 546 (B.E.S.A.) specifications.

All NIPHAN products are made to a high standard of quality and receive a most rigid inspection.

SPECIFICATION

All Plug and Socket cases shown in this catalogue are of brass with steel-bronze finish, but Heavy-duty couplings (see comprehensive catalogue) are cast iron with painted finish.

Subject to suitable cable glands being fitted, all couplings are weather-tight.

Submersible couplings for operating in underwater conditions can be supplied (see comprehensive catalogue, page 80).



Specification continued—

Glands

Detachable Plugs and Sockets, with the exception of Heavy-duty types, are fitted with Wood-grip or Hexagon nut glands with I.R. cord rings as standard.

Special types of glands are fitted if required, at extra cost (page 39).

NIPHAN design ensures that all couplings have a firm electrical contact, and will withstand an electrical test equal to accepted standards.

It is recommended that all terminal screw holes should be filled with insulating compound after wiring. Similarly, the backs of the terminals should be sealed.

Standard 2 pole couplings 25 amps. and over are non-reversible (odd pins). 3 amps. to 15 amps. are reversible but can be supplied with odd pins if required.

THE SOCKET MUST ALWAYS BE THE LIVE END.

Plugs and Sockets are not normally engraved with symbols. Engraving if required at extra cost.

IMPORTANT

All NIPHAN couplings, etc., are marked with the registered trade mark "NIPHAN" together with the recognised catalogue number.

TRADE MARK, PATENTS, REGISTERED DESIGNS

Notice is given that the word NIPHAN is a Registered Trade Mark owned by this Company and that certain of the products in this Catalogue are protected by Patents and Registered Designs.

In view of the Trade Marks Act, 1938, it is not permissible to :

- (a) Alter, remove or obliterate a Trade Mark.
- (b) Add to the goods bearing a Trade Mark any matter which is likely to injure the reputation of the Mark.
- (c) Apply the Trade Mark to goods which have suffered alteration in their state or condition, get-up or packing.
- (d) Apply any other Trade Mark to the goods covered by the Registered Trade Mark.
- (e) Apply the name NIPHAN to any goods which are not goods manufactured by this Company.

In respect of patented articles, the Company grants to all buyers from this Company a limited licence to use and resell the goods subject to the Patent, but no other licence or authority.

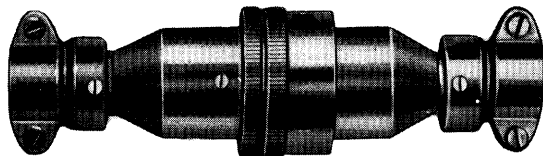


3 AMP. 50 VOLT

5 AMP. 250 VOLT

15 AMP. 250 VOLT

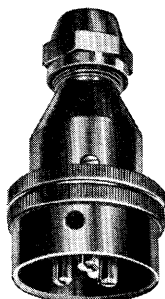
CABLE COUPLINGS



PLUG

PLAIN COUPLING
WITH SADDLE GLANDS

PLAIN SOCKET

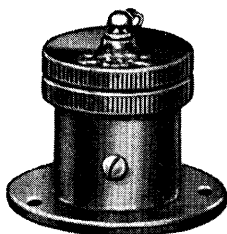


PLUG

Cat. No.	Amps.	Poles
N 527	15	2
N 527 a	15	3
N 527 b	5	4
N 600	5	2
N 600 a	5	3
N 600 b	3	4

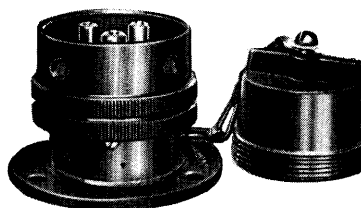
PLAIN SOCKET

Cat. No.	Amps.	Poles
N 540	15	2
N 540 a	15	3
N 540 b	5	4
N 650	5	2
N 650 a	5	3
N 650 b	3	4



**FLANGE SOCKET
& COVER**

Cat. No.	Amps.	Poles
N 549	15	2
N 549 a	15	3
N 549 b	5	4
N 662	5	2
N 662 a	5	3
N 662 b	3	4



**FLANGE PLUG
& COVER**

Cat. No.	Amps.	Poles
N 575	15	2
N 575 a	15	3
N 575 b	5	4
N 677	5	2
N 677 a	5	3
N 677 b	3	4

IMPORTANT

3 and 4 pole supplied one pole earthed unless otherwise ordered

Dimensions see page 38

For alternative Cable Glands see page 39

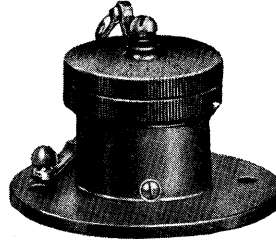


3 AMP. 50 VOLT 5 AMP. 250 VOLT
15 AMP. 250 VOLT
CABLE COUPLINGS

**WIDE FLANGE
 SOCKET & COVER**

With $2\frac{5}{8}$ " dia. flange to fit
 Universal Conduit Boxes

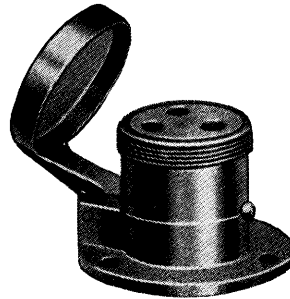
Cat. No.	Amps.	Poles
N 569	15	2
N 569 a	15	3
N 569 b	5	4
N 649	5	2
N 649 a	5	3
N 649 b	3	4



Wide Flange Plug and Cover as page 6, but with $2\frac{5}{8}$ " diameter flange can be supplied

**FLANGE SOCKET
 WITH SPRING COVER**

Cat. No.	Amps.	Poles
N 579	15	2
N 579 a	15	3
N 579 b	5	4
N 669	5	2
N 669 a	5	3
N 669 b	3	4

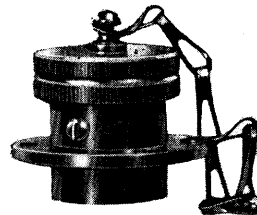


Can be supplied on Terminal or Through Base as page 9

**FLANGE SOCKET
 & COVER**

for panel mounting, etc.

Cat. No.	Amps.	Poles
N 599	15	2
N 599 a	15	3
N 599 b	5	4
N 699	5	2
N 699 a	5	3
N 699 b	3	4

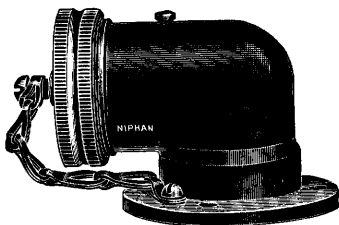


IMPORTANT

3 and 4 pole supplied one pole earthed unless otherwise ordered
 Plugs for above see pages 6 and 12

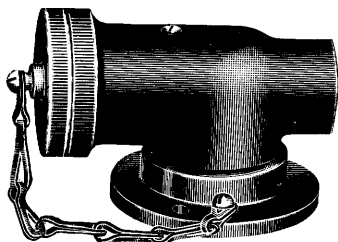


3 AMP. 50 VOLT 5 AMP. 250 VOLT
15 AMP. 250 VOLT
CABLE COUPLINGS



**ANGLE FLANGE
 SOCKET & COVER**

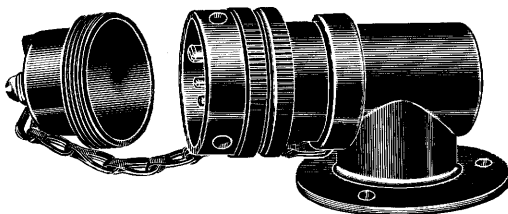
<i>Cat. No.</i>	<i>Amps.</i>	<i>Poles</i>
N 558	15	2
N 558 a	15	3
N 558 b	5	4
N 665	5	2
N 665 a	5	3
N 665 b	3	4



Screwed $\frac{3}{4}$ " conduit

**THROUGH ANGLE
 FLANGE SOCKET
 & COVER**

<i>Cat. No.</i>	<i>Amps.</i>	<i>Poles</i>
N 573	15	2
N 573 a	15	3
N 573 b	5	4
N 666	5	2
N 666 a	5	3
N 666 b	3	4



**ANGLE FLANGE
 PLUG & COVER**

<i>Cat. No.</i>	<i>Amps.</i>	<i>Poles</i>
N 537	15	2
N 537 a	15	3
N 537 b	5	4
N 667	5	2
N 667 a	5	3
N 667 b	3	4

Can be supplied through pattern. Screwed $\frac{3}{4}$ " conduit.

IMPORTANT

3 and 4 pole supplied one pole earthed unless otherwise ordered

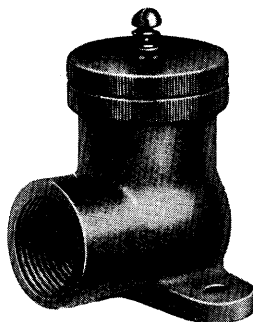
Dimensions of Angle Sockets see page 38 Plugs and Plain Sockets for above see pages 6 and 12



3 AMP. 50 VOLT 5 AMP. 250 VOLT
15 AMP. 250 VOLT
CABLE COUPLINGS

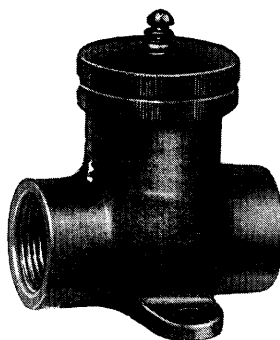
**TERMINAL SOCKET
& COVER**

Cat. No.	Amps.	Poles	
N 557	15	2	} Screwed 1" conduit
N 557 a	15	3	
N 557 b	5	4	} 3/4" conduit
N 663	5	2	
N 663 a	5	3	
N 663 b	3	4	



**THROUGH SOCKET
& COVER**

Cat. No.	Amps.	Poles	
N 555	15	2	} Screwed 1" conduit
N 555 a	15	3	
N 555 b	5	4	} 3/4" conduit
N 664	5	2	
N 664 a	5	3	
N 664 b	3	4	

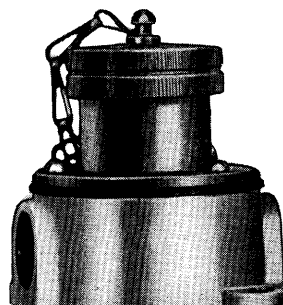


**SOCKET & COVER
WITH TERMINAL BASE**

Cat. No.	Amps.	Poles
N 567	15	2
N 567 a	15	3
N 567 b	5	4
N 658	5	2
N 658 a	5	3
N 658 b	3	4

**SOCKET & COVER
WITH THROUGH BASE**

Cat. No.	Amps.	Poles
N 560	15	2
N 560 a	15	3
N 560 b	5	4
N 651	5	2
N 651 a	5	3
N 651 b	3	4



Screwed 3/4" conduit

IMPORTANT

3 and 4 pole supplied one pole earthed unless otherwise ordered

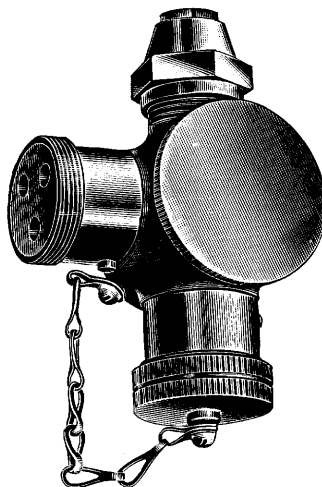
Plugs for above see pages 6 and 12



15 AMP. 250 VOLT
TEE COUPLINGS

15 AMP.
2-WAY CIRCULAR TEE
WITH 1 COVER

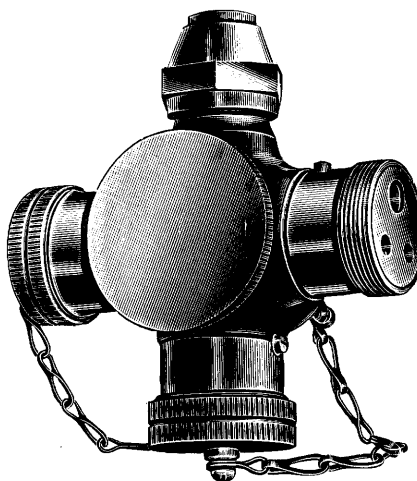
<i>Cat. No.</i>	<i>Poles</i>
N 550	2
N 550 a	3



Fitted with 25 amp. size gland inlet

15 AMP.
3-WAY CIRCULAR TEE
WITH 2 COVERS

<i>Cat. No.</i>	<i>Poles</i>
N 551	2
N 551 a	3



IMPORTANT

3 pole supplied one pole earthed unless otherwise ordered

For alternative Cable Glands see page 39

Plugs for above see pages 6 and 12



5 & 15 AMP. 250 VOLT TEE COUPLINGS

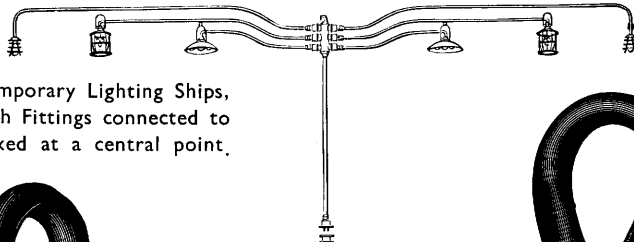
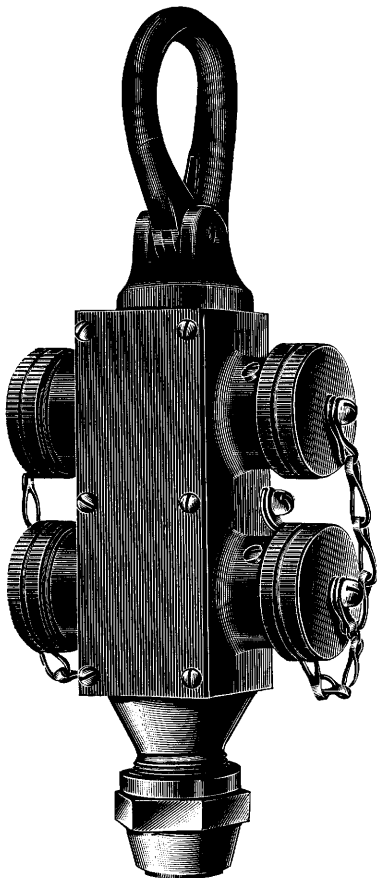


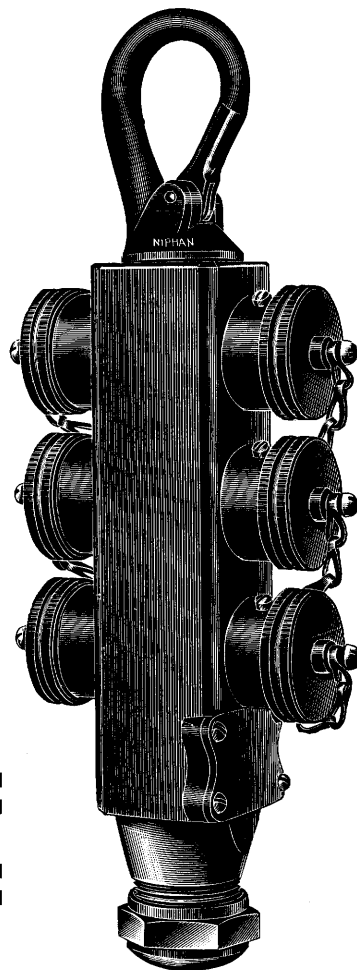
Diagram for Temporary Lighting Ships, Docks, etc., with Fittings connected to a 6-way Tee fixed at a central point.

Socket Feed



15 amp. Tees fitted with 50 amp. gland inlet

5 amp. Tees fitted with 25 amp. gland inlet



Supplied ready wired to main terminals

4-WAY TEE WITH 4 COVERS

Cat. No.	Amps.	Poles
N 564	15	2
N 564 a	15	3
N 604	5	2
N 604 a	5	3

6-WAY TEE WITH 6 COVERS

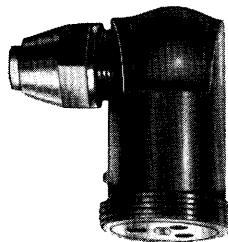
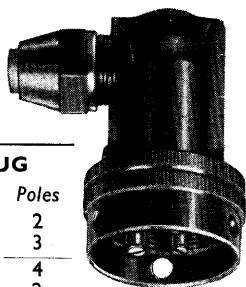
Cat. No.	Amps.	Poles
N 556	15	2
N 556 a	15	3
N 656	5	2
N 656 a	5	3

IMPORTANT

3 pole supplied one pole earthed
Plugs for above see pages 6 and 12



3 AMP. 50 VOLT 5 AMP. 250 VOLT
15 AMP. 250 VOLT
CABLE COUPLINGS

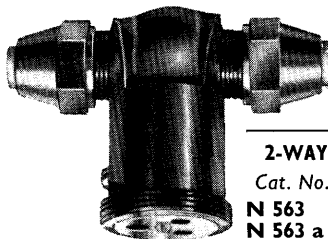
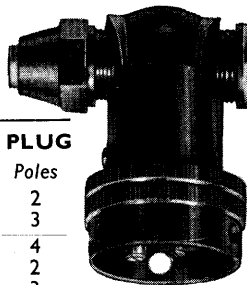


ANGLE PLUG

Cat. No.	Amps.	Poles
N 529	15	2
N 529 a	15	3
N 529 b	5	4
N 629	5	2
N 629 a	5	3
N 629 b	3	4

ANGLE SOCKET

Cat. No.	Amps.	Poles
N 541	15	2
N 541 a	15	3
N 541 b	5	4
N 641	5	2
N 641 a	5	3
N 641 b	3	4



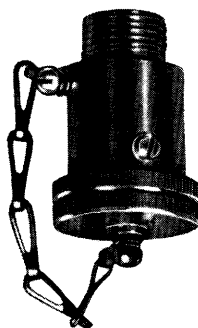
2-WAY ANGLE PLUG

Cat. No.	Amps.	Poles
N 531	15	2
N 531 a	15	3
N 531 b	5	4
N 630	5	2
N 630 a	5	3
N 630 b	3	4

2-WAY ANGLE SOCKET

Cat. No.	Amps.	Poles
N 563	15	2
N 563 a	15	3
N 563 b	5	4
N 643	5	2
N 643 a	5	3
N 643 b	3	4

15 amp. 2 and 3 pole, 5 amp. 4 pole screwed 1" conduit
 5 amp. 2 and 3 pole, 3 amp. 4 pole „ ¾" conduit



**SQUARE END
PLUG & COVER**

Cat. No.	Amps.	Poles
N 587	15	2
N 587 a	15	3
N 587 b	5	4
N 645	5	2
N 645 a	5	3
N 645 b	3	4

**SQUARE END
SOCKET & COVER**

Cat. No.	Amps.	Poles
N 580	15	2
N 580 a	15	3
N 580 b	5	4
N 644	5	2
N 644 a	5	3
N 644 b	3	4

IMPORTANT

3 and 4 pole supplied one pole earthed unless otherwise ordered
 For alternative Cable Glands see page 39



3 to 10 AMP. 250 VOLT

CABLE COUPLINGS

(Push-on pattern with spring cover)



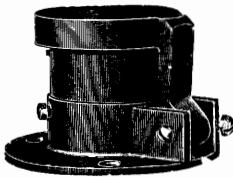
PUSH-ON PLUG

Cat. No.	Amps.	Poles
N 519	10	2
N 519 a	10	3
N 519 b	5	4
N 619	3	2
N 619 a	3	3



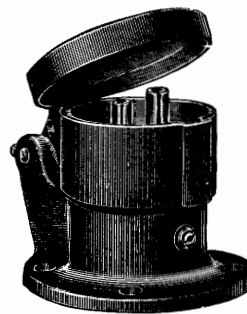
PLAIN SOCKET

Cat. No.	Amps.	Poles
N 536	10	2
N 536 a	10	3
N 536 b	5	4
N 636	3	2
N 636 a	3	3



FLANGE SOCKET WITH SPRING COVER

Cat. No.	Amps.	Poles
N 515	10	2
N 515 a	10	3
N 515 b	5	4
N 615	3	2
N 615 a	3	3



FLANGE PLUG WITH SPRING COVER

Cat. No.	Amps.	Poles
N 534	10	2
N 534 a	10	3
N 534 b	5	4
N 616	3	2
N 616 a	3	3

IMPORTANT

3 and 4 pole supplied one pole earthed unless otherwise ordered
For alternative Cable Glands see page 39

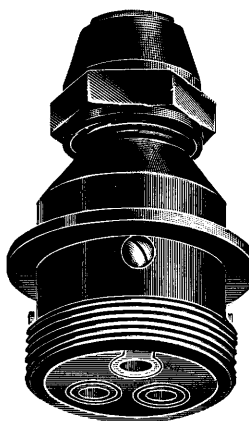


25 & 50 AMP. 250 VOLT CABLE COUPLINGS



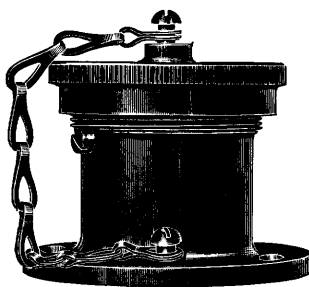
PLUG

Cat. No.	Amps.	Poles
N 385	50	2
N 385 a	50	3
N 385 b	50/15	4
2-50 amp. & 2-15 amp. }		
N 885	25	2
N 885 a	25	3
N 885 b	25	4



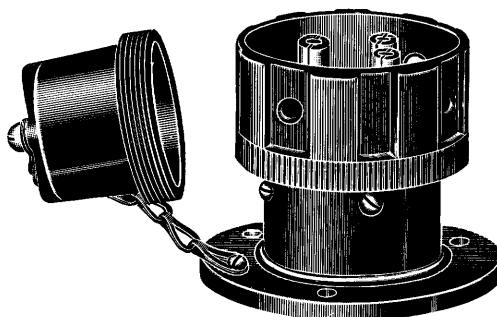
PLAIN SOCKET

Cat. No.	Amps.	Poles
N 329	50	2
N 329 a	50	3
N 329 b	50/15	4
2-50 amp. & 2-15 amp. }		
N 802	25	2
N 802 a	25	3
N 802 b	25	4



FLANGE SOCKET & COVER

Cat. No.	Amps.	Poles
N 346	50	2
N 346 a	50	3
N 346 b	50/15	4
2-50 amp. & 2-15 amp. }		
N 801	25	2
N 801 a	25	3
N 801 b	25	4



FLANGE PLUG & COVER

Cat. No.	Amps.	Poles
N 350	50	2
N 350 a	50	3
N 350 b	50/15	4
2-50 amp. & 2-15 amp. }		
N 887	25	2
N 887 a	25	3
N 887 b	25	4

IMPORTANT

3 and 4 pole supplied one pole earthed unless otherwise ordered

Dimensions see page 38

For alternative Cable Glands see page 39



25 & 50 AMP. 250 VOLT

CABLE COUPLINGS

ANGLE FLANGE SOCKET & COVER

Cat. No.	Amps.	Poles
N 381	50	2
N 381 a	50	3
N 381 b	50/15	4
2-50 amp. & 2-15 amp.		
N 811	25	2
N 811 a	25	3
N 811 b	25	4



50 amp. screwed $1\frac{1}{4}$ " conduit
25 amp. „ 1" conduit

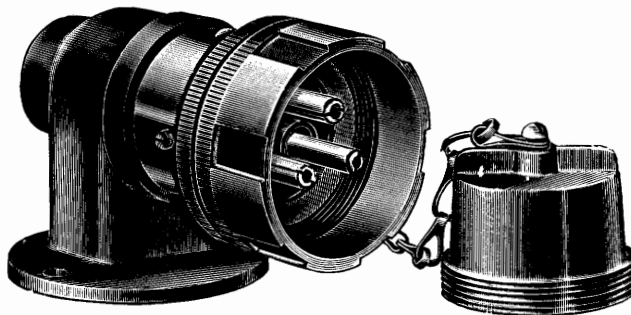
THROUGH ANGLE FLANGE SOCKET & COVER

Cat. No.	Amps.	Poles
N 382	50	2
N 382 a	50	3
N 382 b	50/15	4
2-50 amp. & 2-15 amp.		
N 812	25	2
N 812 a	25	3
N 812 b	25	4



ANGLE FLANGE PLUG & COVER

Cat. No.	Amps.	Poles
N 389	50	2
N 389 a	50	3
N 389 b	50/15	4
2-50 amp. & 2-15 amp.		
N 859	25	2
N 859 a	25	3
N 859 b	25	4



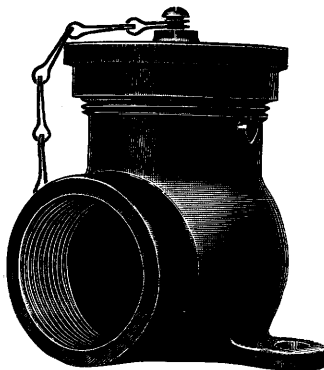
Can be supplied through pattern
50 amp. screwed $1\frac{1}{4}$ " conduit
25 amp. „ 1" conduit

IMPORTANT

3 and 4 pole supplied one pole earthed unless otherwise ordered
Dimensions of Angle Sockets see page 38 Plugs and Plain Sockets for above see page 14



25 & 50 AMP. 250 VOLT CABLE COUPLINGS

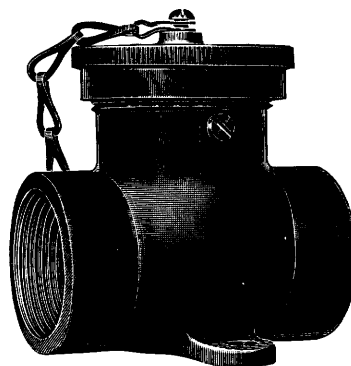


50 Amp.
Screwed
1 1/4" conduit

25 Amp.
1" conduit

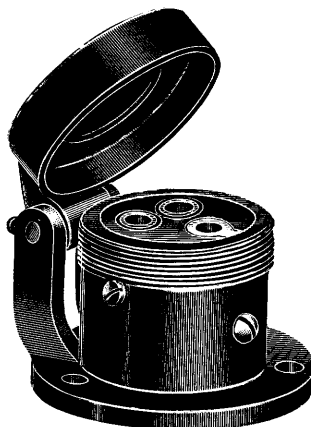
TERMINAL SOCKET & COVER

Cat. No.	Amps.	Poles
N 341	50	2
N 341 a	50	3
N 341 b	50/15	4
2-50 amp. & 2-15 amp.		
N 809	25	2
N 809 a	25	3
N 809 b	25	4



THROUGH SOCKET & COVER

Cat. No.	Amps.	Poles
N 342	50	2
N 342 a	50	3
N 342 b	50/15	4
2-50 amp. & 2-15 amp.		
N 810	25	2
N 810 a	25	3
N 810 b	25	4

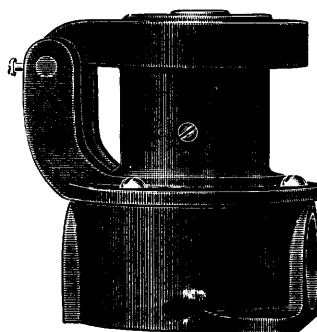


50 Amp.
Screwed
1 1/4" conduit

25 Amp.
1" conduit

FLANGE SOCKET WITH SPRING COVER

Cat. No.	Amps.	Poles
N 349	50	2
N 349 a	50	3
N 349 b	50/15	4
2-50 amp. & 2-15 amp.		
N 849	25	2
N 849 a	25	3
N 849 b	25	4



FLANGE SOCKET & SPRING COVER WITH TERMINAL BASE

Cat. No.	Amps.	Poles
N 314	50	2
N 314 a	50	3
N 314 b	50/15	4
2-50 amp. & 2-15 amp.		
N 814	25	2
N 814 a	25	3
N 814 b	25	4

IMPORTANT

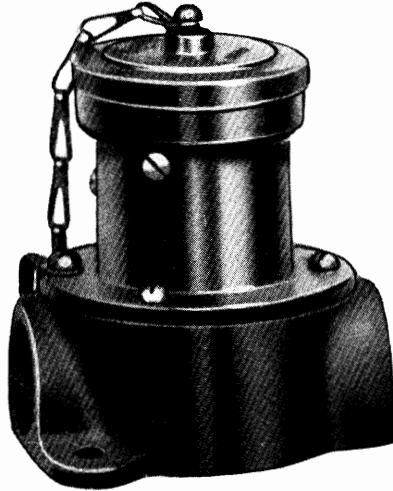
3 and 4 pole supplied one pole earthed unless otherwise ordered
Plugs for above see page 14



25 & 50 AMP. 250 VOLT CABLE COUPLINGS

SOCKET & COVER WITH TERMINAL BASE

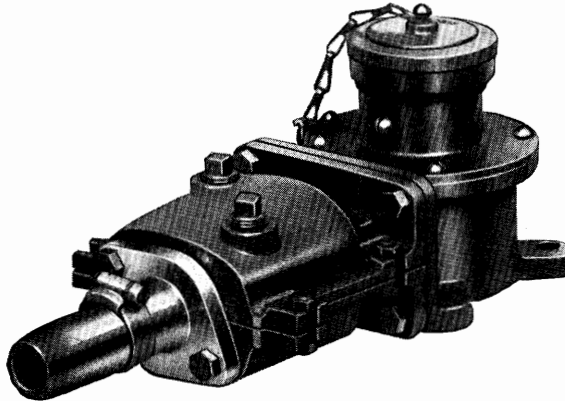
Cat. No.	Amps.	Poles
N 384	50	2
N 384 a	50	3
N 384 b	50/15	4
2-50 amp. & 2-15 amp. }		
N 884	25	2
N 884 a	25	3
N 884 b	25	4



50 Amp. Screwed $1\frac{1}{4}$ " conduit
25 Amp. ,, 1" conduit

SOCKET & COVER WITH THROUGH BASE

Cat. No.	Amps.	Poles
N 383	50	2
N 383 a	50	3
N 383 b	50/15	4
2-50 amp. & 2-15 amp. }		
N 883	25	2
N 883 a	25	3
N 883 b	25	4



SOCKET WITH TERMINAL JOINT BOX & GLAND (as illustrated)

Cat. No.	Amps.	Poles
N 384JG	50	2
N 384JG a	50	3
N 384JG b	50/15	4
2-50 amp. & 2-15 amp. }		
N 884JG	25	2
N 884JG a	25	3
N 884JG b	25	4

SOCKET WITH THROUGH JOINT BOX & 2 GLANDS (as illustrated on page 26)

Cat. No.	Amps.	Poles	(Old Cat. No.)
N 383JG	50	2	
N 383JG a	50	3	
N 383JG b	50/15	4	
2-50 amp. & 2-15 amp. }			
N 883JG	25	2	N 888G
N 883JG a	25	3	N 888G a
N 883JG b	25	4	N 888G b

IMPORTANT

3 and 4 pole supplied one pole earthed unless otherwise ordered
Plugs for above see page 14



25 & 50 AMP. 250 VOLT

TEE COUPLINGS FOR POWER CIRCUITS

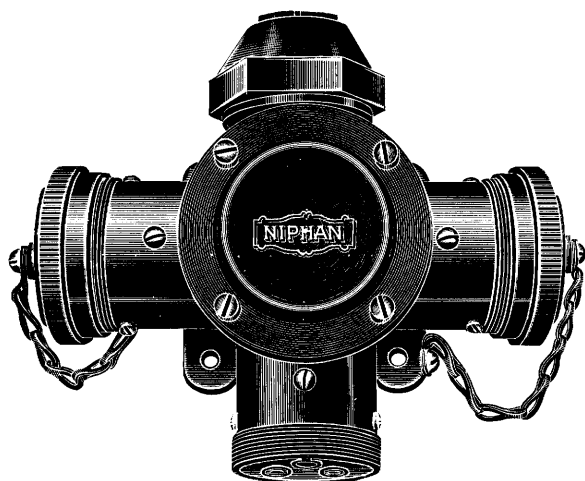


2-WAY TEE & 1 COVER

Cat. No.	Amps.	Poles
N 334	50	2
N 334 a	50	3
N 834	25	2
N 834 a	25	3

50 amp. Tees fitted with
100 amp. gland inlet

25 amp. Tees fitted with
50 amp. gland inlet



3-WAY TEE & 2 COVERS

Cat. No.	Amps.	Poles
N 335	50	2
N 335 a	50	3
N 835	25	2
N 835 a	25	3

IMPORTANT

3 pole supplied one pole earthed unless otherwise ordered
For alternative Cable Glands see page 39

Plugs for above see page 14



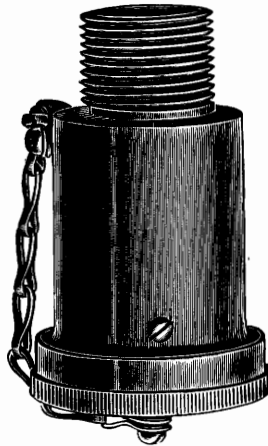
25 & 50 AMP. 250 VOLT

CABLE COUPLINGS

50 amp. screwed $1\frac{1}{4}$ " conduit
25 amp. ,, 1" conduit

SQUARE END SOCKET & COVER

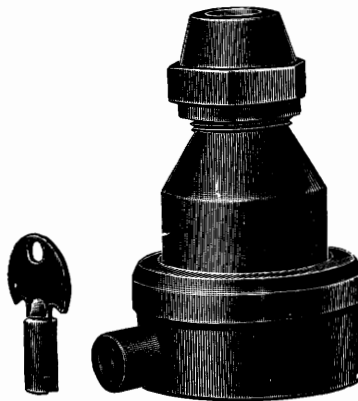
Cat. No.	Amps.	Poles
N 380	50	2
N 380 a	50	3
N 380 b	50/15	4
2-50 amp. & 2-15 amp. }		
N 880	25	2
N 880 a	25	3
N 880 b	25	4



PLUG WITH SCREW- LOCKING GUARD RING

Cat. No.	Amps.	Poles
N 385L	50	2
N 385L a	50	3
N 385L b	50/15	4
2-50 amp. & 2-15 amp. }		
N 885L	25	2
N 885L a	25	3
N 885L b	25	4

Not suitable for use on
Sockets with spring covers

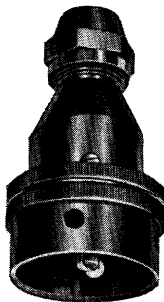


IMPORTANT

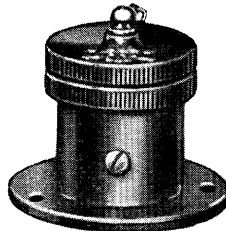
3 and 4 pole supplied one pole earthed unless otherwise ordered
For alternative Cable Glands see page 39



**5 AMP. 15 AMP. 25 AMP.
250 VOLT SINGLE POLE
CABLE COUPLINGS**



PLUG



**FLANGE SOCKET
& COVER**

Catalogue Nos.			
5 Amp.	15 Amp.	25 Amp.	
N 600SP	N 600/15/SP	N 527SP	Plug
N 650SP	N 650/15/SP	N 540SP	Plain Socket
N 662SP	N 662/15/SP	N 549SP	Flange Socket & Cover
N 677SP	N 677/15/SP	N 575SP	Flange Plug & Cover
N 665SP	N 665/15/SP	N 558SP	Angle Flange Socket & Cover

The above are similar to 5 and 15 amp. couplings shown on pages 6 and 8

Dimensions see page 38

For alternative Cable Glands see page 39

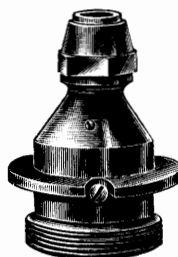


5 AMP. 500 VOLT 3 & 4 POLE
CABLE COUPLINGS



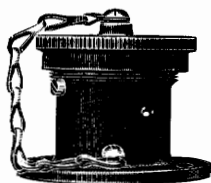
PLUG

N 400 a	3 Pole
N 400 b	4 Pole



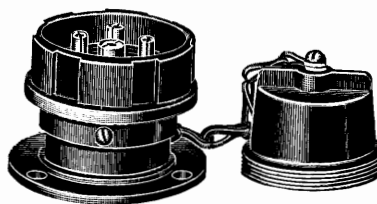
PLAIN SOCKET

N 450 a	3 Pole
N 450 b	4 Pole



FLANGE SOCKET & COVER

N 462 a	3 Pole
N 462 b	4 Pole



FLANGE PLUG & COVER

N 474 a	3 Pole
N 474 b	4 Pole

IMPORTANT

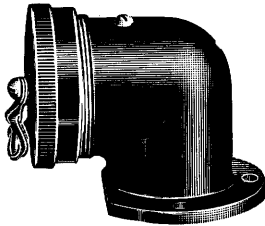
Supplied one pole earthed

Dimensions see page 38

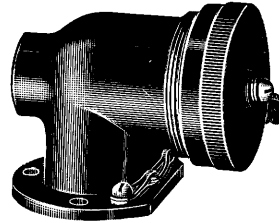
For alternative Cable Glands see page 39



5 AMP. 500 VOLT 3 & 4 POLE CABLE COUPLINGS



Screwed
 $\frac{3}{4}$ "
conduit

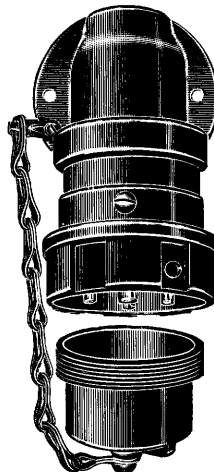


ANGLE FLANGE SOCKET & COVER

N 465 a	3 Pole
N 465 b	4 Pole

THROUGH ANGLE FLANGE SOCKET & COVER

N 466 a	3 Pole
N 466 b	4 Pole



Can be supplied
through pattern
screwed $\frac{3}{4}$ " conduit

ANGLE FLANGE PLUG & COVER

N 459 a	3 Pole
N 459 b	4 Pole



Screwed
1"
conduit

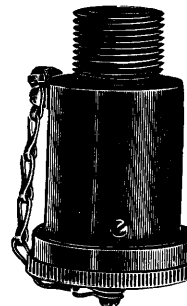
SOCKET & COVER WITH TERMINAL BASE

N 475 a	3 Pole
N 475 b	4 Pole

SOCKET & COVER WITH THROUGH BASE

N 476 a	3 Pole
N 476 b	4 Pole

Screwed $\frac{1}{2}$ " conduit



SQUARE END SOCKET & COVER

N 444 a	3 Pole
N 444 b	4 Pole

IMPORTANT

*Supplied one pole earthed
Dimensions of Angle Sockets see page 38*



5, 15 & 25 AMP. 500 VOLT 3 & 4 POLE

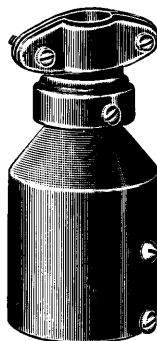
CABLE COUPLINGS

(Push-on pattern with spring cover)



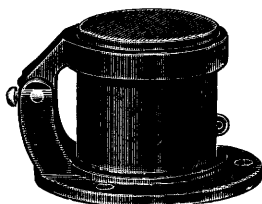
PUSH-ON PLUG

Cat. No.	Amps.	Poles
N 419 a	5	3
N 419 b	5	4
N 8199 a	15	3
N 8199 b	15	4
N 3199 a	25	3
N 3199 b	25	4



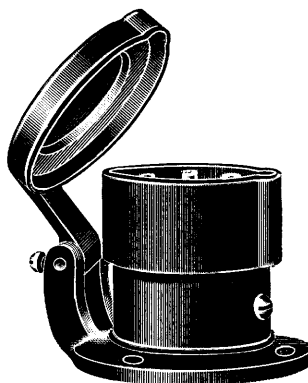
PLAIN SOCKET

Cat. No.	Amps.	Poles
N 436 a	5	3
N 436 b	5	4
N 8366 a	15	3
N 8366 b	15	4
N 3366 a	25	3
N 3366 b	25	4



FLANGE SOCKET WITH SPRING COVER

Cat. No.	Amps.	Poles
N 415 a	5	3
N 415 b	5	4
N 8155 a	15	3
N 8155 b	15	4
N 3155 a	25	3
N 3155 b	25	4



FLANGE PLUG WITH SPRING COVER

Cat. No.	Amps.	Poles
N 454 a	5	3
N 454 b	5	4
N 8544 a	15	3
N 8544 b	15	4
N 3544 a	25	3
N 3544 b	25	4

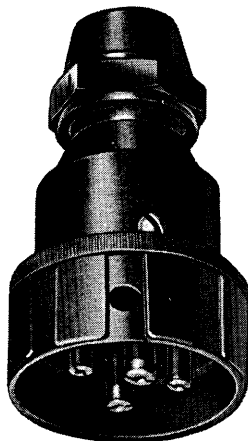
IMPORTANT

Supplied one pole earthed

For alternative Cable Glands see page 39

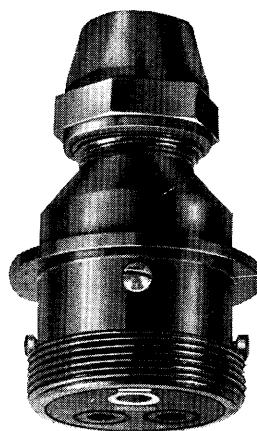


15 & 25 AMP. 500 VOLT 3 & 4 POLE CABLE COUPLINGS



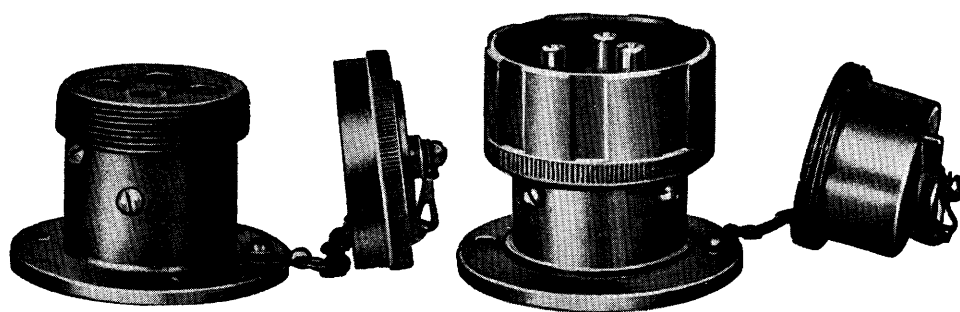
PLUG

Cat. No.	Amps.	Poles
N 8855 a	15	3
N 8855 b	15	4
N 3855 a	25	3
N 3855 b	25	4



PLAIN SOCKET

Cat. No.	Amps.	Poles
N 8022 a	15	3
N 8022 b	15	4
N 3299 a	25	3
N 3299 b	25	4



FLANGE SOCKET & COVER

Cat. No.	Amps.	Poles
N 8011 a	15	3
N 8011 b	15	4
N 3466 a	25	3
N 3466 b	25	4

FLANGE PLUG & COVER

Cat. No.	Amps.	Poles
N 8877 a	15	3
N 8877 b	15	4
N 3500 a	25	3
N 3500 b	25	4

IMPORTANT

Supplied one pole earthed

Dimensions see page 38

For alternative Cable Glands see page 39



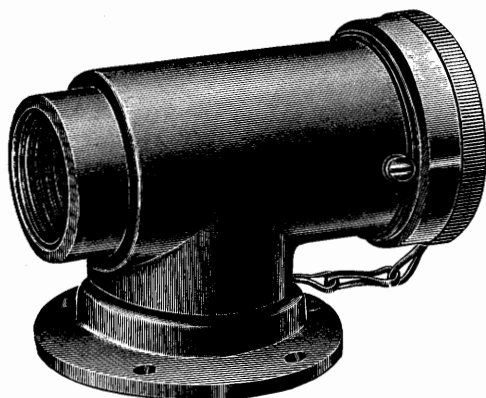
15 & 25 AMP. 500 VOLT 3 & 4 POLE CABLE COUPLINGS



15 amp. screwed 1" conduit
25 amp. „ 1 1/4" conduit

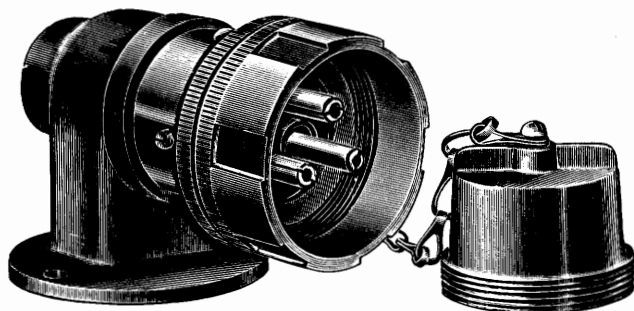
ANGLE FLANGE SOCKET & COVER

Cat. No.	Amps.	Poles
N 8111 a	15	3
N 8111 b	15	4
N 3811 a	25	3
N 3811 b	25	4



THROUGH ANGLE FLANGE SOCKET & COVER

Cat. No.	Amps.	Poles
N 8122 a	15	3
N 8122 b	15	4
N 3822 a	25	3
N 3822 b	25	4



ANGLE FLANGE PLUG & COVER

Cat. No.	Amps.	Poles
N 8599 a	15	3
N 8599 b	15	4
N 3899 a	25	3
N 3899 b	25	4

Can be supplied through pattern
15 amp. screwed 1" conduit
25 amp. „ 1 1/4" conduit

IMPORTANT

Supplied one pole earthed

Dimensions of Angle Sockets see page 38

Plugs and Plain Sockets for above see page 24

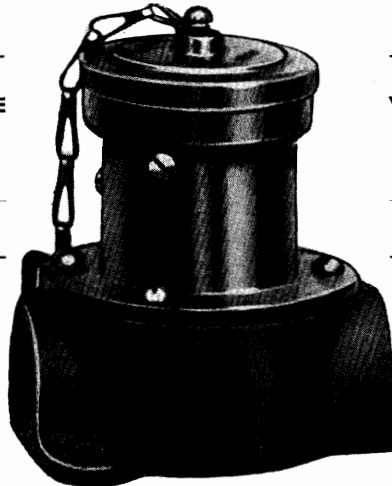


15 & 25 AMP. 500 VOLT 3 & 4 POLE

CABLE COUPLINGS

SOCKET & COVER WITH TERMINAL BASE

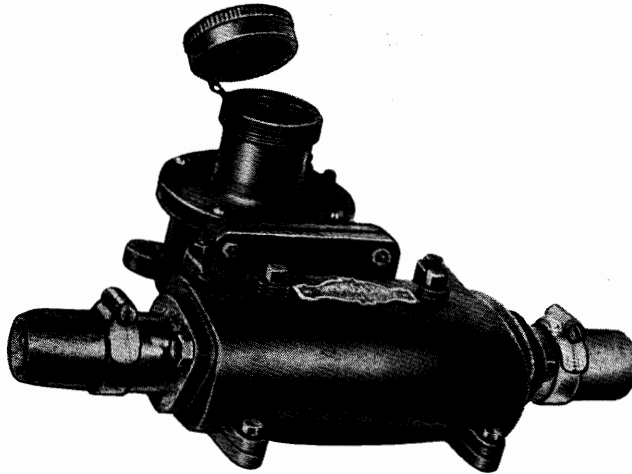
Cat. No.	Amps.	Poles
N 8844 a	15	3
N 8844 b	15	4
N 3844 a	25	3
N 3844 b	25	4



15 amp. screwed 1" conduit
25 amp. " 1 1/4" conduit

SOCKET & COVER WITH THROUGH BASE

Cat. No.	Amps.	Poles
N 8833 a	15	3
N 8833 b	15	4
N 3833 a	25	3
N 3833 b	25	4



SOCKET WITH TERMINAL JOINT BOX & GLAND (as illustrated on page 17)

Cat. No.	Amps.	Poles	Old Cat. No.
N 8844JG a	15	3	N 8844G a
N 8844JG b	15	4	N 8844G b
N 3844JG a	25	3	N 3844G a
N 3844JG b	25	4	N 3844G b

SOCKET WITH THROUGH JOINT BOX & 2 GLANDS (as illustrated)

Cat. No.	Amps.	Poles
N 8833JG a	15	3
N 8833JG b	15	4
N 3833JG a	25	3
N 3833JG b	25	4

IMPORTANT

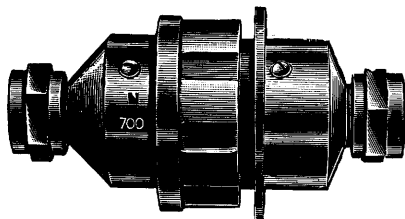
Supplied one pole earthed
Plugs for above see page 24



COUPLINGS TO B.S.546 (B.E.S.A.) GAUGE

5 & 15 AMP. 250 VOLT

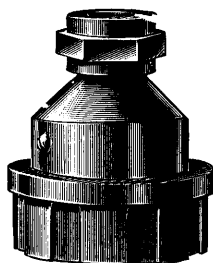
3 POLE (2 & Earth)



Plain Coupling, consisting of

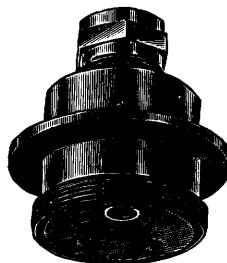
N 7001—15 Amp. Plug and N 7009—15 Amp. Plain Socket

N 201 — 5 Amp. Plug and N 209 — 5 Amp. Plain Socket



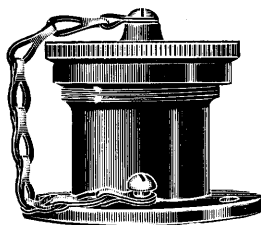
PLUG

N 201 5 AMP.
N 7001 15 AMP.



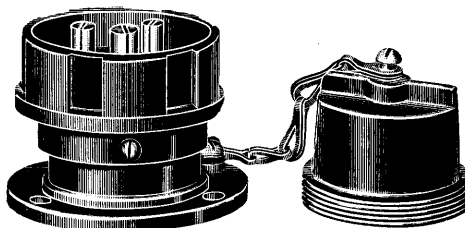
PLAIN SOCKET

N 209 5 AMP.
N 7009 15 AMP.



FLANGE SOCKET & COVER

N 204 5 AMP.
N 7004 15 AMP.



FLANGE PLUG & COVER

N 203 5 AMP.
N 7003 15 AMP.

For alternative Cable Glands see page 39



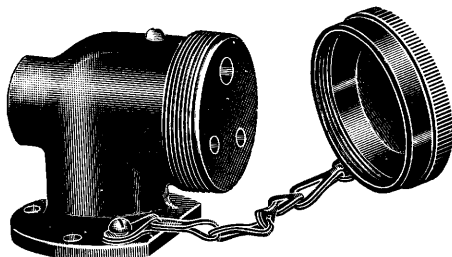
COUPLINGS TO B.S.546 (B.E.S.A.) GAUGE

5 & 15 AMP. 250 VOLT

3 POLE (2 & Earth)

5 amp.
screwed
 $\frac{3}{4}$ " conduit

15 amp.
1" conduit



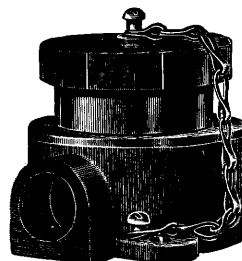
**ANGLE FLANGE SOCKET
& COVER**

N 207 5 AMP.
N 7007 15 AMP.

**THROUGH ANGLE FLANGE
SOCKET & COVER**

N 208 5 AMP.
N 7008 15 AMP.

Screwed
1" conduit

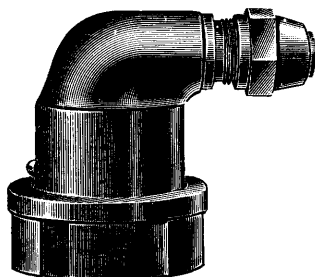


**SOCKET & COVER
WITH TERMINAL BASE**

N 205 5 AMP.
N 7005 15 AMP.

**SOCKET & COVER
WITH THROUGH BASE**

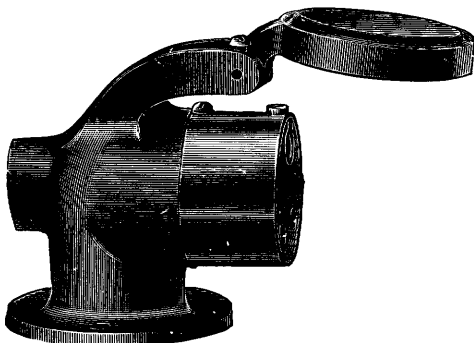
N 206 5 AMP.
N 7006 15 AMP.



ANGLE PLUG

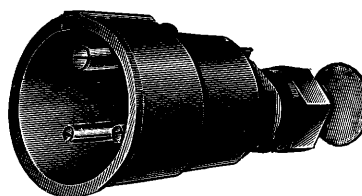
N 218 5 AMP.
N 7018 15 AMP.

Screwed
 $\frac{3}{4}$ " conduit



**THROUGH ANGLE FLANGE
SOCKET WITH SPRING COVER**

N 215 5 AMP.



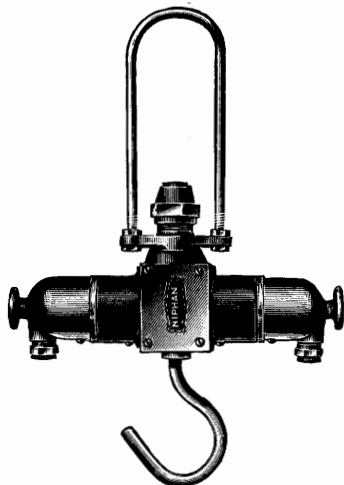
PUSH-ON PLUG

N 216 5 AMP.

For alternative Cable Glands see page 39



COUPLINGS TO B.S.546 (B.E.S.A.) GAUGE
5 & 15 AMP. 250 VOLT
3 POLE (2 & Earth)



**2-WAY HANGING TEE
WITH ANGLE PLUGS**

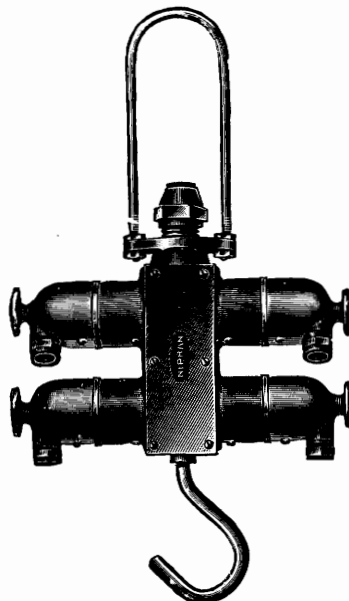
N 211 5 AMP.
N 7011 15 AMP.



ANGLE PLUG

N 200 5 AMP.
N 7000 15 AMP.

*Prices on
request*



**4-WAY HANGING TEE
WITH ANGLE PLUGS**

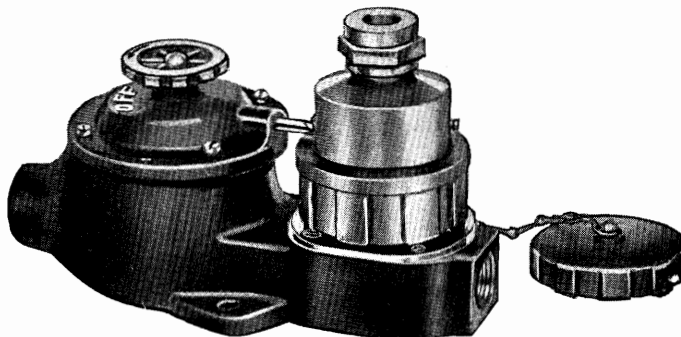
N 210 5 AMP.
N 7010 15 AMP.

W.T. INTERLOCKED SWITCH SOCKETS & PLUGS
with Plugs to B.E.S.A. Gauge

5 & 15 Amp. 250 volt

5 amp. screwed
 $\frac{3}{4}$ " conduit

15 amp.
1" conduit

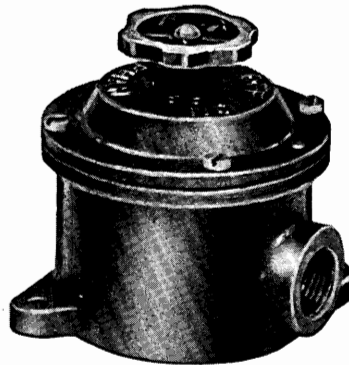


D.P. INTERLOCKED SWITCH & B.E.S.A. PLUG

N 212 5 Amp.
N 7012 15 Amp.

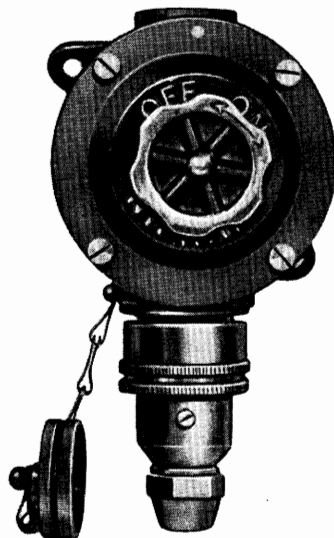


**W.T. SINGLE & DOUBLE POLE SWITCHES
& SWITCH SOCKETS WITH PLUGS
5 & 15 AMP. 250 VOLT**



CAST IRON WEATHERTIGHT SWITCH

							<i>Single Pole Switch</i>	<i>Double Pole Switch</i>
5 amp., screwed $\frac{3}{4}$ " conduit	...	...	...	...	...	...	N 900	N 9002
15 amp., ,, 1" conduit	...	...	...	...	...	...	N 901	N 9012

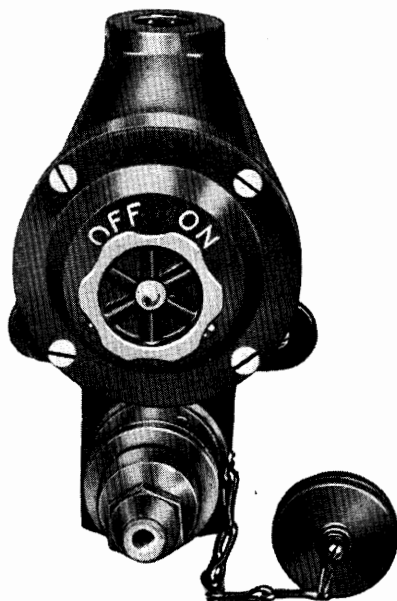


**CAST IRON WEATHERTIGHT NON-INTERLOCKED SWITCH SOCKET
WITH PLUG**

					<i>Single Pole Switch</i>	<i>Double Pole Switch</i>	<i>Plug</i>
5 amp., 2 Pole	...	...	...	...	N 910	N 9102	N 600
5 amp., with 3rd Pole for Earthing	...	...	...	...	N 910 a	N 9102 a	N 600 a
15 amp., 2 Pole	...	...	...	...	N 930	N 9302	N 527
15 amp., with 3rd Pole for Earthing	...	...	...	...	N 930 a	N 9302 a	N 527 a
5 amp. screwed $\frac{3}{4}$ " conduit, 15 amp. 1" conduit							



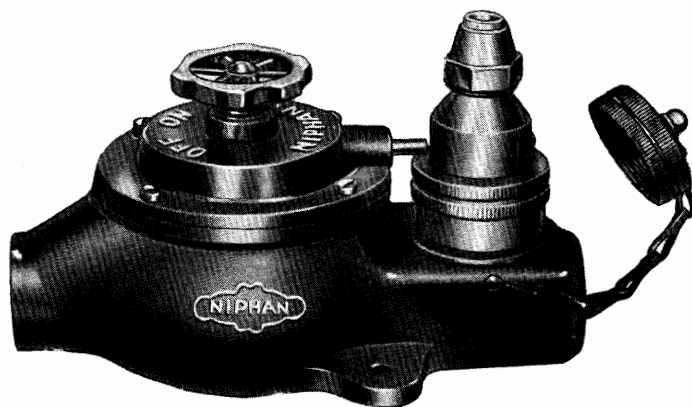
W.T. SINGLE & DOUBLE POLE SWITCH SOCKETS WITH PLUGS
5 & 15 AMP. 250 VOLT



CAST IRON WEATHERTIGHT NON-INTERLOCKED SWITCH SOCKET WITH PLUG

		Single Pole Switch	Double Pole Switch	Plug
5 amp., 2 Pole	...	N 920	N 9202	N 600
5 amp., with 3rd Pole for Earthing	...	N 920 a	N 9202 a	N 600 a
15 amp., 2 Pole	...	N 950	N 9502	N 527
15 amp., with 3rd Pole for Earthing	...	N 950 a	N 9502 a	N 527 a

5 amp. screwed $\frac{3}{4}$ " conduit, 15 amp. 1" conduit



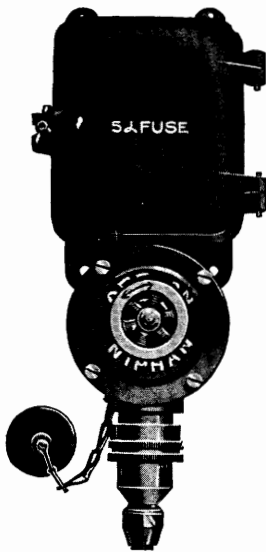
CAST IRON WEATHERTIGHT INTERLOCKED SWITCH SOCKET WITH PLUG

		Single Pole Switch	Double Pole Switch	Plug
5 amp., 2 Pole with 3rd Pole for Earthing	...	N 940 a	N 9402 a	N 600 a
15 amp., 2 Pole with 3rd Pole for Earthing	...	N 960 a	N 9602 a	N 527 a

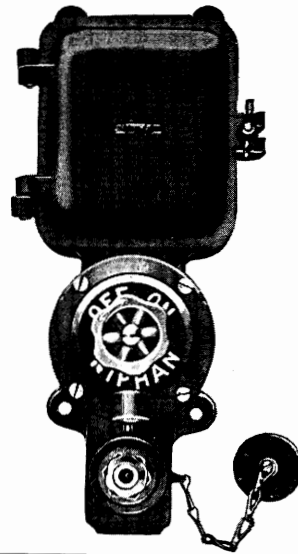
5 amp. screwed $\frac{3}{4}$ " conduit, 15 amp. 1" conduit



W.T. SINGLE & DOUBLE POLE SWITCH SOCKETS WITH PLUGS
5 & 15 AMP.
250 VOLT



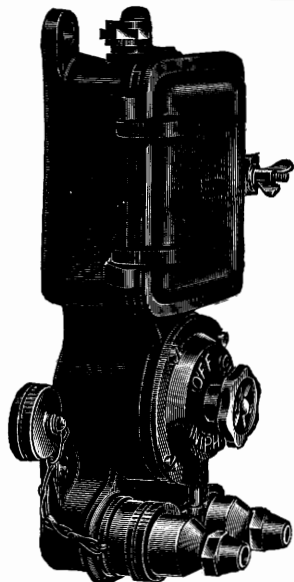
5 amp. screwed $\frac{3}{4}$ " conduit
 15 amp. „ 1" conduit



**CAST IRON WEATHERTIGHT
 NON-INTERLOCKED FUSED
 SWITCH SOCKET WITH PLUG**
 D.P. Fuses & 2 Pole Socket &
 Plug with 3rd Pole for Earthing
 N 912 a 5 amp. with S.P. Switch
 N 9122 a 5 amp. with D.P. Switch
 N 951 a 15 amp. with S.P. Switch
 N 9511 a 15 amp. with D.P. Switch

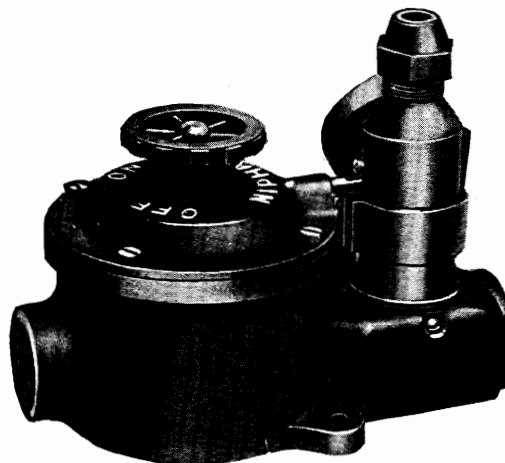
PLUG
 N 600 a
 N 527 a

**CAST IRON WEATHERTIGHT
 INTERLOCKED FUSED
 SWITCH SOCKET WITH PLUG**
 D.P. Fuses & 2 Pole Socket &
 Plug with 3rd Pole for Earthing
 N 914 a 5 amp. with S.P. Switch
 N 9144 a 5 amp. with D.P. Switch
 N 953 a 15 amp. with S.P. Switch
 N 9533 a 15 amp. with D.P. Switch



←Screwed
 $\frac{3}{4}$ "
 conduit
 or fitted
 with
 gland

Screwed
 1"
 conduit

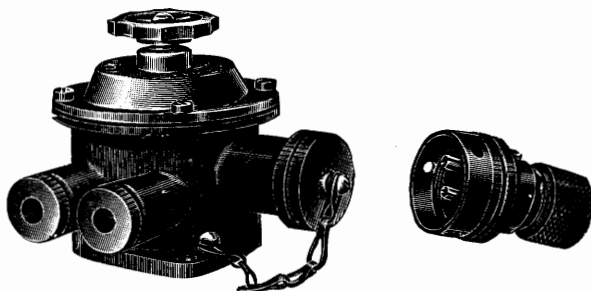


**CAST IRON WEATHERTIGHT
 INTERLOCKED FUSED SWITCH
 SOCKET with two N 600 a PLUGS**
 D.P. Fuses and two 2 Pole Sockets
 and Plugs with 3rd Pole for Earthing
 5 AMP. 250 VOLT
 N 9141 a with S.P. Switch
 N 9143 a with D.P. Switch

**CAST IRON INTERLOCKED
 SWITCH SOCKET WITH SPRING
 COVER & PUSH-ON PATTERN
 PLUG**
 2 Pole with 3rd Pole for Earthing
 10 AMP. 250 VOLT
 N 962 a with S.P. Switch
 N 9622 a with D.P. Switch

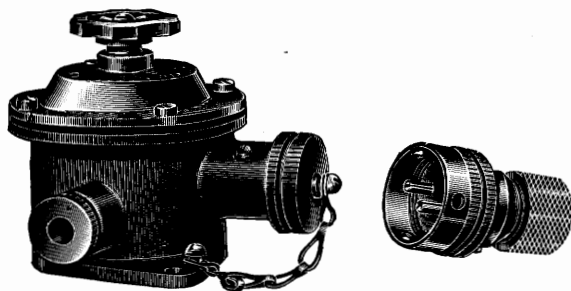


ADMIRALTY PATTERN
W.T. SINGLE & DOUBLE POLE SWITCHES & SWITCH SOCKETS
5 AMP. 250 VOLT



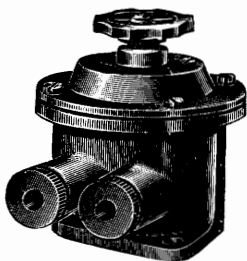
5 AMP. CAST BRASS SWITCH WITH 2 POLE SOCKET & TWO GLANDS

N 2396 with S.P. Switch
N 2396/2 with D.P. Switch
N 5208 2 Pole Plug for above extra



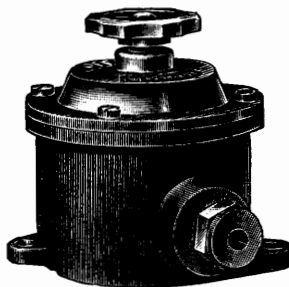
5 AMP. CAST BRASS SWITCH WITH 2 POLE SOCKET & ONE GLAND

N 2397 with S.P. Switch
N 2397/2 with D.P. Switch
N 5208 2 Pole Plug for above extra



5 AMP. CAST BRASS SWITCH WITH TWO GLANDS

N 2398 with S.P. Switch
N 2398/2 with D.P. Switch

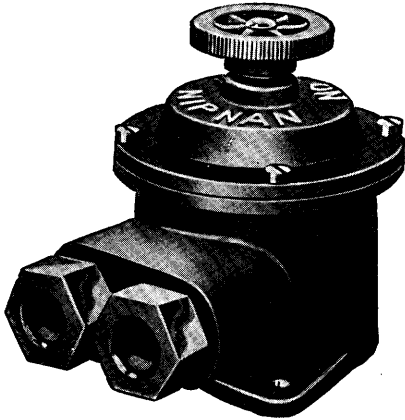


5 AMP. CAST BRASS SWITCH WITH ONE GLAND

N 2426 with S.P. Switch
N 2426/2 with D.P. Switch

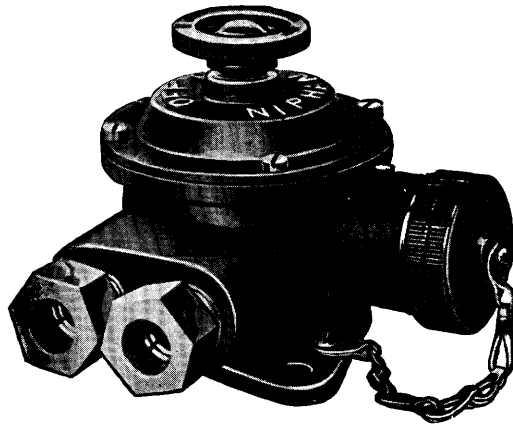


**W.T. SINGLE & DOUBLE POLE SWITCHES & SWITCH SOCKETS
WITH GLANDS FOR LEAD & ARMoured CABLES
5 AMP. 250 VOLT**



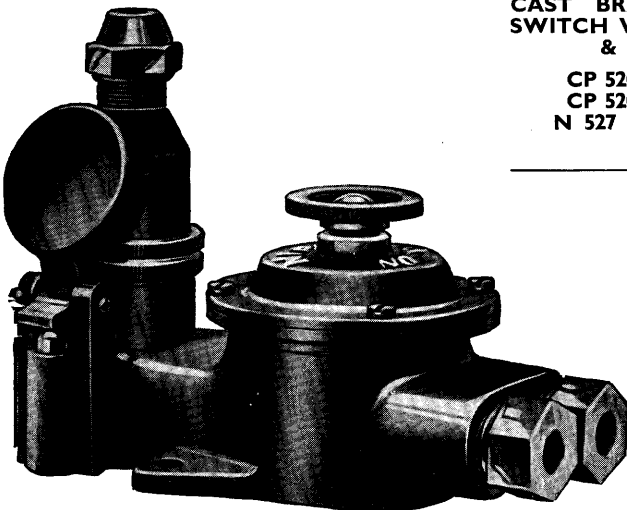
**CAST BRASS WEATHERTIGHT
SWITCH WITH TWO GLANDS**

CP 1164 with S.P. Switch
CP 1164/2 with D.P. Switch



**CAST BRASS WEATHERTIGHT
SWITCH WITH 2 POLE SOCKET
& TWO GLANDS**

CP 5207 with S.P. Switch
CP 5207/2 with D.P. Switch
N 527 2 Pole Plug for above
extra



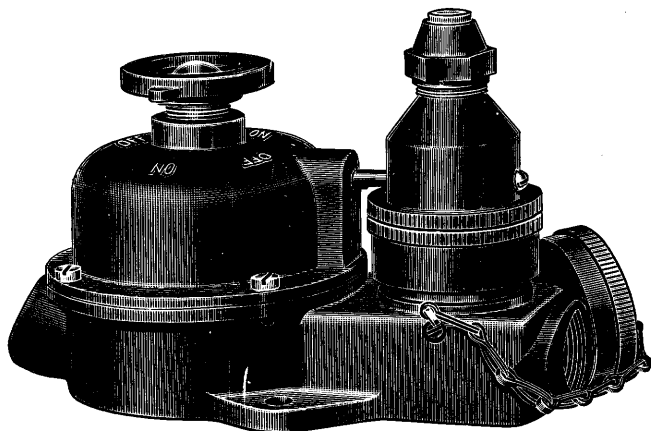
**CAST BRASS WEATHERTIGHT NON-INTERLOCKED SWITCH WITH
2 POLE SOCKET & PLUG, TWO GLANDS & SPRING COVER**

N 2224 with S.P. Switch and **N 527** 2 Pole Plug
N 2224/2 with D.P. Switch and Plug as above



W.T. INTERLOCKED SWITCH SOCKETS WITH PLUGS

5 & 15 AMP. 500 VOLT



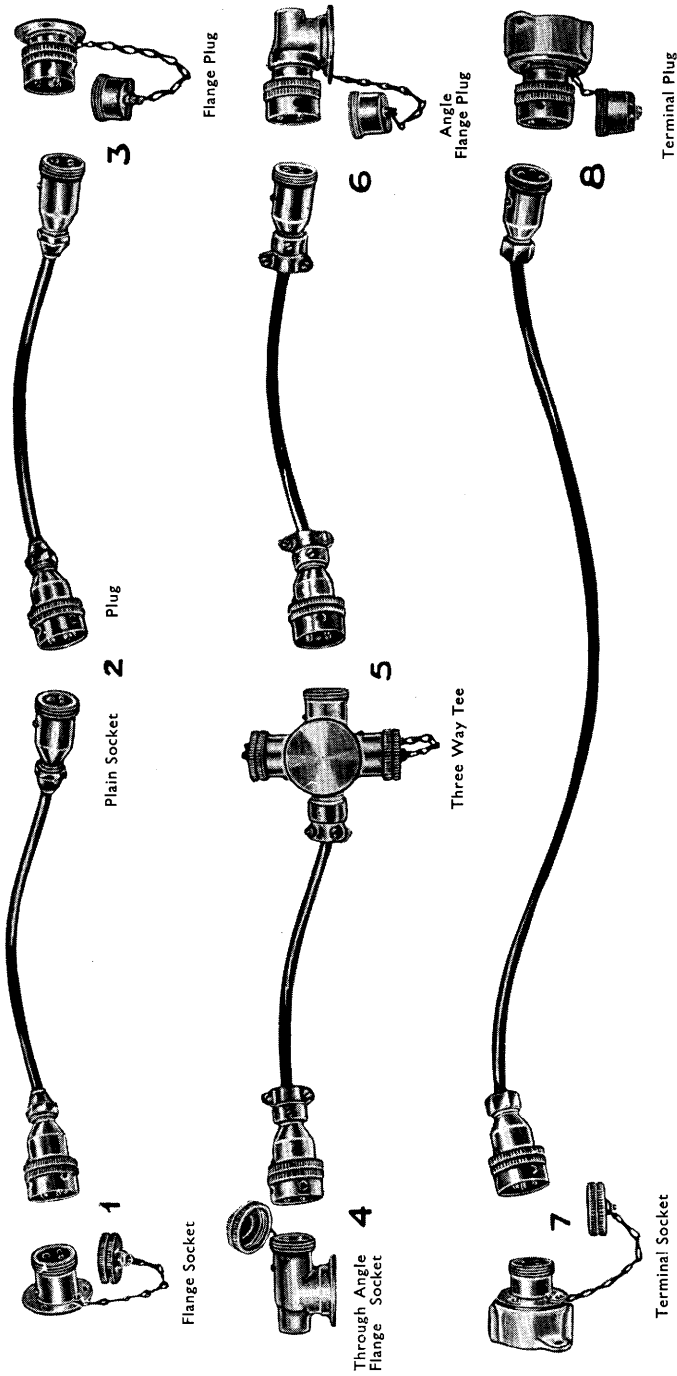
CAST IRON WEATHERTIGHT INTERLOCKED ROTARY SWITCH SOCKET WITH PLUG

5 Amp. 500 Volt

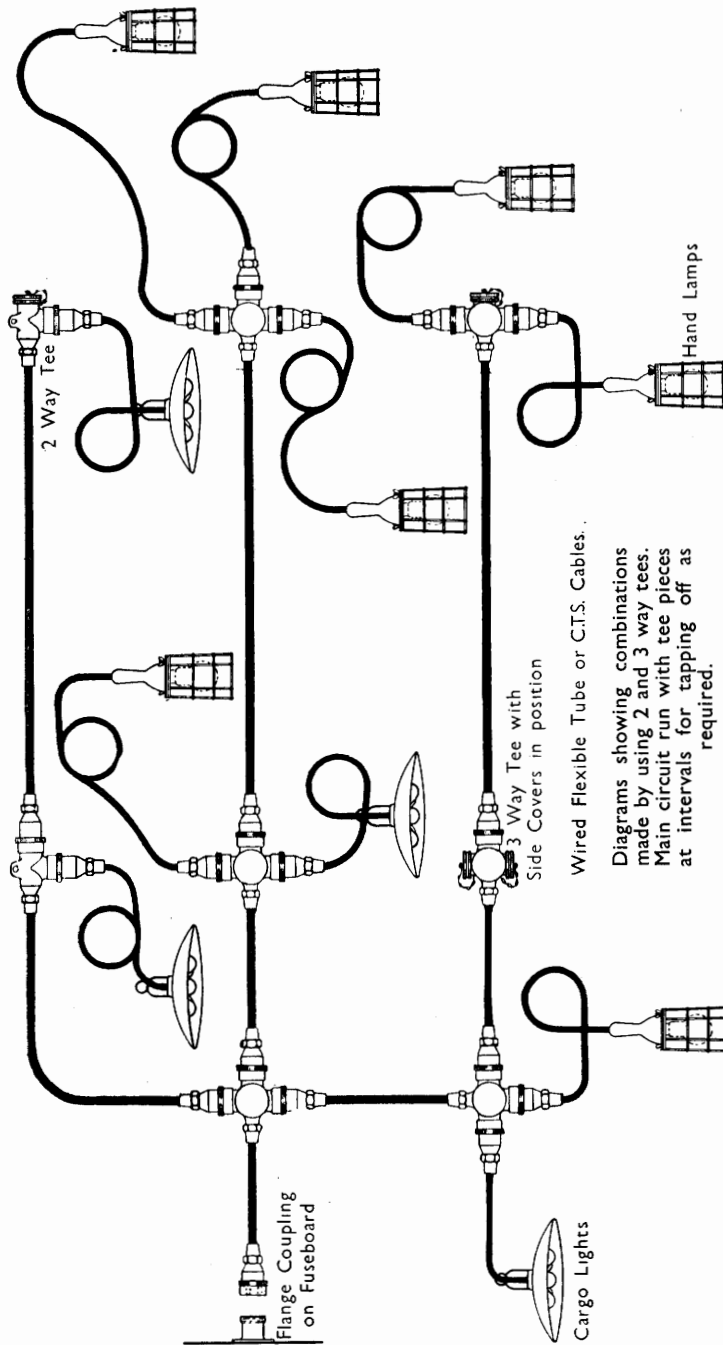
- N 2341** — with Double Pole Switch and **N 400 a** Plug, 2 Pole with 3rd Pole for Earthing.
- N 2341/2** — with Triple Pole Switch and **N 400 b** Plug, 3 Pole with 4th Pole for Earthing.
Inlet screwed 1" conduit.

15 Amp. 500 Volt

- N 2213** — with Double Pole Switch and **N 8855 a** Plug, 2 Pole with 3rd Pole for Earthing.
- N 2213/2** — with Triple Pole Switch and **N 8855 b** Plug, 3 Pole with 4th Pole for Earthing.
Inlet screwed 1" conduit.
- N 2267** — similar to above but with Spring-on Cover and Push-on Plug **N 8199 a** or **N 8199 b**.

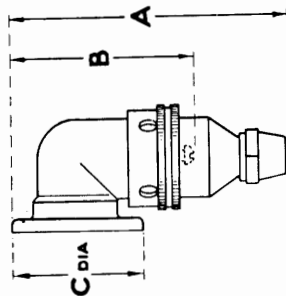
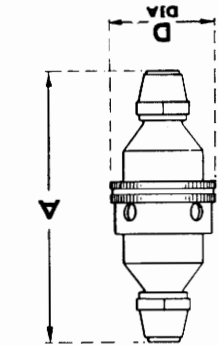
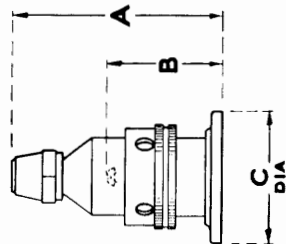
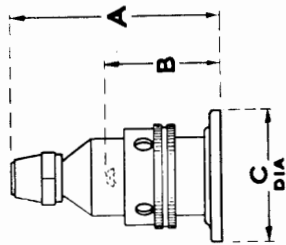


Examples of coupling arrangements.
NOTE.—In starting a circuit, sockets of couplings must always be at the live end.



Diagrams showing combinations made by using 2 and 3 way tees. Main circuit run with tee pieces at intervals for tapping off as required.

NOTE.—In starting a circuit, sockets of couplings must always be at the live end.



FLANGE SOCKET & PLUG

50 & 250 VOLT						Fixing holes	
Amps.	Poles	A	B	C	No.	Dia.	P.C.D.
3	4	2 7/8	1 1/2	1 3/4	3	5/32	1 7/16
5	2 2/3	4 1/4	2 1/4	2 1/4	3	3/16	1 7/8
15	4	4 1/4	2 5/8	2 1/4	3	3/16	1 7/8
25	2 2/3	4 7/8	2 5/8	2 1/4	3	3/16	2 1/8
50	—	5 1/2	2 3/4	3 1/8	3	3/16	2 3/8

SINGLE POLE

500 VOLT						Fixing holes	
Amps.	Poles	A	B	C	No.	Dia.	P.C.D.
5	2 2/3	1 1/2	1 3/4	1 3/4	3	5/32	1 7/16
15	4	1 7/8	1 3/4	1 3/4	3	3/16	1 7/8
25	2 2/3	2 1/8	2 1/8	2 1/8	3	3/16	1 7/8

FLANGE PLUG & PLAIN SOCKET

50 & 250 VOLT						Fixing holes	
Amps.	Poles	A	B	C	No.	Dia.	P.C.D.
3	4	3	2 1/8	1 3/4	3	5/32	1 7/16
5	2 2/3	4 1/8	2 1/8	2 1/4	3	3/16	1 7/8
15	4	4 1/8	2 5/8	2 1/4	3	3/16	1 7/8
25	2 2/3	5	3 1/8	2 1/8	3	3/16	2 1/8
50	—	5 3/4	3 1/4	3 1/8	3	3/16	2 3/8

SINGLE POLE

500 VOLT						Fixing holes	
Amps.	Poles	A	B	C	No.	Dia.	P.C.D.
5	3	2 1/8	2 1/8	1 3/4	3	5/32	1 7/16
15	3 3/8	2 1/8	2 1/8	1 3/4	3	3/16	1 7/8
25	4 1/8	2 1/8	2 1/8	2 1/4	3	3/16	1 7/8

PLAIN COUPLING

50 & 250 VOLT						Fixing holes	
Amps.	Poles	A	B	C	No.	Dia.	P.C.D.
3	4	4	4	1 7/8	3	5/32	1 7/16
5	2 2/3	5 1/4	4	1 7/8	3	3/16	1 7/8
15	4	5 1/4	4	1 7/8	3	3/16	1 7/8
25	2 2/3	6 1/8	4	2 1/4	3	3/16	2 1/8
50	—	7 1/8	4 1/2	2 3/8	3	3/16	2 3/8

SINGLE POLE

500 VOLT						Fixing holes	
Amps.	Poles	A	B	C	No.	Dia.	P.C.D.
5	4	4 1/2	4 1/2	1 7/8	3	5/32	1 7/16
15	4 1/2	4 1/2	4 1/2	1 7/8	3	3/16	1 7/8
25	5 1/2	4 1/2	4 1/2	1 7/8	3	3/16	1 7/8

ANGLE FLANGE SOCKET & PLUG

50 & 250 VOLT						Fixing holes	
Amps.	Poles	A	B	C	No.	Dia.	P.C.D.
3	4	4 1/8	2 7/8	2	3	5/32	1 7/16
5	2 2/3	5 1/4	3 3/8	2 1/4	3	3/16	1 7/8
15	4	5 1/4	3 3/8	2 1/4	3	3/16	1 7/8
25	2 2/3	6 1/8	4	2 1/8	3	3/16	2 1/8
50	—	7 1/8	4 1/2	3 3/8	3	3/16	2 3/8

SINGLE POLE

500 VOLT						Fixing holes	
Amps.	Poles	A	B	C	No.	Dia.	P.C.D.
5	4 1/2	2 7/8	2 7/8	2	3	5/32	1 7/16
15	4 1/2	3 3/4	2 3/4	2	3	3/16	1 7/8
25	5 1/2	3 3/4	2 3/4	2 1/4	3	3/16	1 7/8

500 VOLT

500 VOLT						Fixing holes	
Amps.	Poles	A	B	C	No.	Dia.	P.C.D.
5	4 1/2	2 1/4	2 1/4	2 1/8	3	5/32	1 7/16
15	4 1/2	2 1/4	2 1/4	2 1/8	3	3/16	1 7/8
25	5 1/2	2 1/4	2 1/4	2 1/8	3	3/16	1 7/8

APPROXIMATE DIMENSIONS (inches)

Note.—Dimension B is with cover on



CABLE GLANDS FOR USE WITH COUPLINGS CATALOGUE



1



2



3

Gland	50 & 250 VOLT gland bores (inches)							
	3 amp. 4 pole 5 ,, 2/3 ,,		5 amp. 4 pole 15 ,, 2/3 ,,		25 amp.		50 amp.	
	std.	max.	std.	max.	std.	max.	std.	max.
1 Wood-grip	.281	.312	.375	.406	.375	.562	.375	.687
2 Hexagon nut	.312	.406	.375	.500	.625	.625	.875	.937
Gland bores other than standard charged extra								
*3 Saddle	.250	.406	.375	.500	.375	.625	.500	.937

Gland	SINGLE POLE gland bores (inches)					
	5 amp.		15 amp.		25 amp.	
	std.	max.	std.	max.	std.	max.
1 Wood-grip	.281	.312	.281	.312	.375	.406
2 Hexagon nut	.312	.406	.312	.406	.375	.500
Gland bores other than standard charged extra						
*3 Saddle	.250	.406	.250	.406	.375	.500

Gland	500 VOLT gland bores (inches)					
	5 amp.		15 amp.		25 amp.	
	std.	max.	std.	max.	std.	max.
1 Wood-grip	.375	.406	.375	.562	.375	.687
2 Hexagon nut	.375	.500	.625	.625	.875	.937
Gland bores other than standard charged extra						
*3 Saddle	.375	.500	.375	.625	.500	.937

* Supplied at extra cost.

Glands for larger size cables can be supplied on request at extra cost.

Maximum bore for glands 2 and 3 is maximum allowing use of rubber packing ring.

N.B.—The wood-grip in Item 1 should be split in halves when wiring.

They are supplied sawcut part-way.

TABLE for WIRES and CABLES

NEW STANDARD		Approx. Equivalents OLD STANDARD		Carrying Capacity in Amperes	
No. and Diam. of Wires forming Conductor		No. and Diam. of Wires forming Conductor		At 1,000 per Sq. Inch	At I.E.E. Standard (V.I.R.) Insulated
1/-036		1/20 S.W.G.		1-0	4-1
1/-044		1/18 "		1-5	6-1
3/-029		3/22 "		2-0	7-8
3/-036		3/20 "		3-0	12-0
1/-064		1/16 "		3-0	12-9
7/-029		7/22 "		4-5	18-2
7/-036		7/20 "		7-0	24-0
7/-044		7/18 "		10-0	31-0
7/-052		7/17 "		14-5	37-0
7/-064		7/16 "		22-5	46-0
19/-052		19/17 "		40-0	64-0
19/-064		19/16 "		60-0	83-0
19/-072		19/15 "		75-0	97-0
19/-083		19/14 "		100-0	118-0
37/-064		37/16 "		120-0	130-0
37/-072		37/15 "		150-0	152-0
37/-083		37/14 "		200-0	184-0
37/-093		37/13 "		250-0	214-0
37/-103		37/12 "		300-0	240-0
61/-093		61/13 "		400-0	288-0
61/-103		61/12 "		500-0	332-0
91/-093		61/112 }		600-0	384-0
91/-103		91/101 }	in.	750-0	461-0
127/-103		127/101 }		1000-0	595-0

FLEXIBLE CABLES

14/-0076	14/36 S.W.G.	-6	1-8
23/-0076	23/36 "	1-0	3-0
40/-0076	40/36 "	1-7	5-0
70/-0076	70/36 "	3-0	8-5
110/-0076	110/36 "	4-8	13-0
162/-0076	162/36 "	7-0	17-0
97/-012		10-0	
60/-018		14-5	
91/-018		22-5	

Useful Notes

CIRCULAR MEASURE

The Diameter $\times 3.1416$ gives the Circumference
 The Radius squared $\times 3.1416$ gives the Area.
 The Diameter squared $\times 3.1416$ gives the Area of a Sphere or Globe
 One-sixth of the Cube of the Diameter $\times 3.1416$ gives the Solidity of a Sphere

CUBIC MEASURE

Shipping Ton = 40 Cubic Feet Merchandise
 Shipping Ton = 42 Cubic Feet of Timber
 Displacement of a Ship 1 ton = 35 Cubic Feet, water
 1,728 Cubic Inches = 1 Cubic Foot
 27 Cubic Feet = 1 Cubic Yard

CUBIC WEIGHTS

1 Cubic Inch Iron, Cast, weighs .26 lb.
 " Brass .305 "
 " Gunmetal .322 "
 " Aluminium .0927 "
 " Copper—Wire, .321 "

WATER MEASURE

1 Gallon = 10 lb.
 1 Cubic Foot = 62.321 lb. & 6.232 gal.

PRESSURE

1 Foot of Water = 0.433 lb./sq. inch

METRIC MEASURE

1 Millimetre 0.001 yards
 1 Centimetre 0.010 "
 1 Decimetre 0.109 "
 1 Metre 1.093 "
 1 Metre 39.37 inches
 1 Kilometre 1,093.633 yards
 1,760 Yards 1 Mile
 French Kilo 2.205 lb.
 50 Kilos 110.25 lb.
 Tonneau 2,204.5 lb.

OHMS LAW

$$C = V \div R. \quad R = V \div C.$$

$$V = C \times R.$$

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