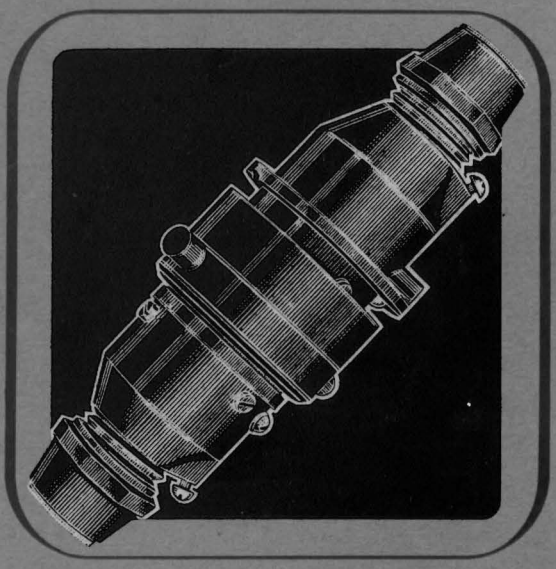
REGD. TRADE MARK

NIPHAN



# ELECTRIC CABLE COUPLINGS AND PLUGS

## NIPHAN SYSTEM

## 3 TO 50 AMP.

Comprehensive catalogue showing 3 to 600 amps. 50 to 500 volt patterns available on request.

SIMMONDS AND STOKES (NIPHAN) LIMITED

NIPHAN

# 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**


HEAD OFFICE :

## SIMMONDS & STOKES (NIPHAN) LTD.,
## VICTORIA HOUSE, SOUTHAMPTON ROW, LONDON, W.C.1

Telephone :
HOLBORN 2163, 8637

Telegrams :
NIPHAN, WESTCENT, LONDON

Works : 310 Merton Road, Wandsworth, S.W.18

Telephone : PUTNEY 1364, 4107



20a Edition (supplementary to 20th Edition). JANUARY, 1953

NIPHAN

# CONTENTS

## PLUGS AND COUPLINGS



# NUMERICAL INDEX

NIPHAN

# 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.

NIPHAN

## 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.

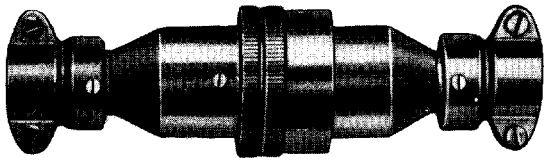
(*d*) Apply any other Trade Mark to the goods covered by the Registered Trade Mark.

(*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.

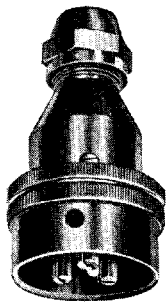
# 3 AMP. 50 VOLT  5 AMP. 250 VOLT
# 15 AMP. 250 VOLT

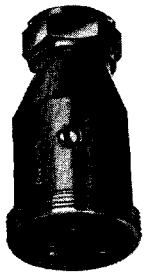
## CABLE COUPLINGS



PLUG  PLAIN SOCKET

PLAIN COUPLING
WITH SADDLE GLANDS



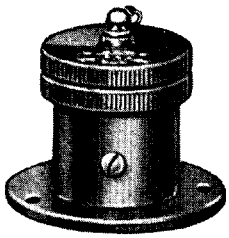


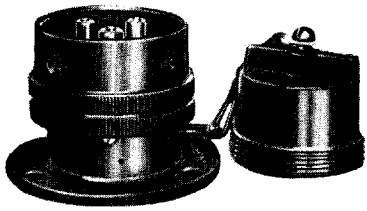
**PLUG**

| 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*

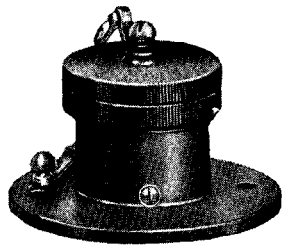
*Dimensions see page 38*  *For alternative Cable Glands see page 39*

# 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

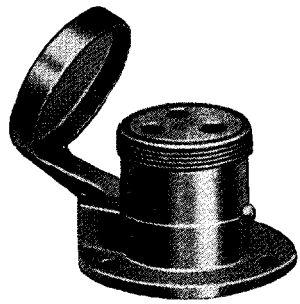
| *Cat. No.* | *Amps.* | *Poles* |
|---|---|---|
| **N 569** | 15 | 2 |
| **N 569 a** | 15 | 3 |
| **N 569 b** | 5 | 4 |
| **N 649** | 5 | 2 |
| **N 649 a** | 5 | 3 |
| **N 649 b** | 3 | 4 |



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

### FLANGE SOCKET WITH SPRING COVER

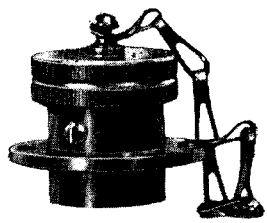
| *Cat. No.* | *Amps.* | *Poles* |
|---|---|---|
| **N 579** | 15 | 2 |
| **N 579 a** | 15 | 3 |
| **N 579 b** | 5 | 4 |
| **N 669** | 5 | 2 |
| **N 669 a** | 5 | 3 |
| **N 669 b** | 3 | 4 |



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 |



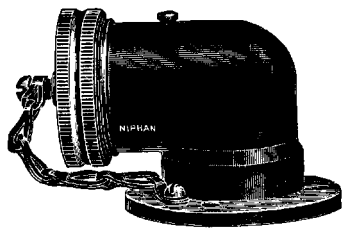
**IMPORTANT**

*3 and 4 pole supplied one pole earthed unless otherwise ordered*

*Plugs for above see pages 6 and 12*

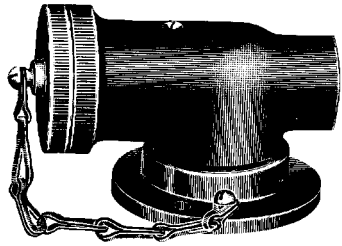
# 3 AMP. 50 VOLT 5 AMP. 250 VOLT
# 15 AMP. 250 VOLT

## CABLE COUPLINGS




**ANGLE FLANGE SOCKET & COVER**

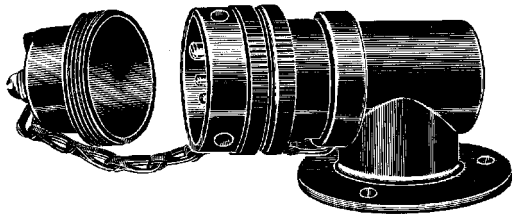
| *Cat. No.* | *Amps.* | *Poles* |
|---|---|---|
| **N 558** | 15 | 2 |
| **N 558 a** | 15 | 3 |
| **N 558 b** | 5 | 4 |
| **N 665** | 5 | 2 |
| **N 665 a** | 5 | 3 |
| **N 665 b** | 3 | 4 |



Screwed $\frac{3}{4}$″ conduit

**THROUGH ANGLE FLANGE SOCKET & COVER**

| *Cat. No.* | *Amps.* | *Poles* |
|---|---|---|
| **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**

| *Cat. No.* | *Amps.* | *Poles* |
|---|---|---|
| **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*

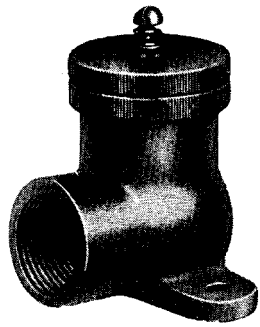
*Dimensions of Angle Sockets see page 38 Plugs and Plain Sockets for above see pages 6 and 12*

# 3 AMP. 50 VOLT 5 AMP. 250 VOLT 15 AMP. 250 VOLT

## CABLE COUPLINGS

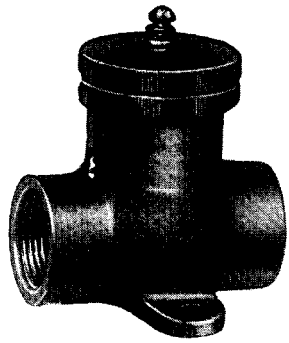
### TERMINAL SOCKET & COVER

| Cat. No. | Amps. | Poles | |
|---|---|---|---|
| N 557 | 15 | 2 | Screwed 1″ conduit |
| N 557 a | 15 | 3 | |
| N 557 b | 5 | 4 | |
| N 663 | 5 | 2 | ¾″ conduit |
| 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 | |
| N 664 | 5 | 2 | ¾″ conduit |
| N 664 a | 5 | 3 | |
| N 664 b | 3 | 4 | |

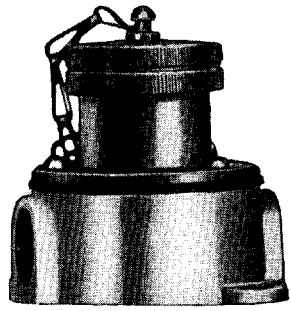


### SOCKET & COVER WITH TERMINAL BASE

| 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 ¾″ conduit

**IMPORTANT**

*3 and 4 pole supplied one pole earthed unless otherwise ordered*

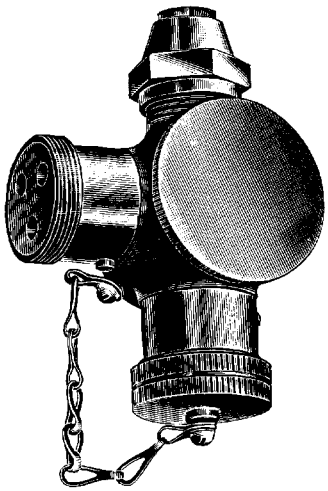
*Plugs for above see pages 6 and 12*

# 15 AMP. 250 VOLT

## TEE COUPLINGS

### 15 AMP.
### 2-WAY CIRCULAR TEE
### WITH 1 COVER

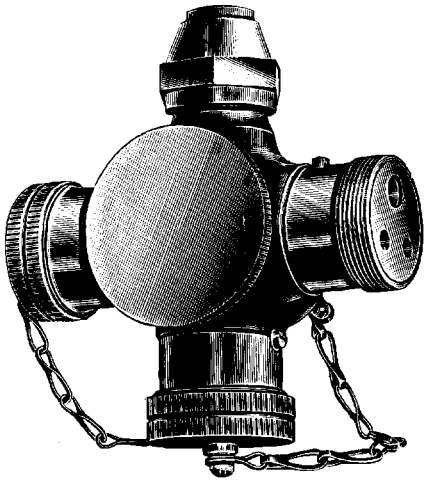
| *Cat. No.* | *Poles* |
|---|---|
| **N 550** | 2 |
| **N 550 a** | 3 |



Fitted with 25 amp. size gland inlet

### 15 AMP.
### 3-WAY CIRCULAR TEE
### WITH 2 COVERS

| *Cat. No.* | *Poles* |
|---|---|
| **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

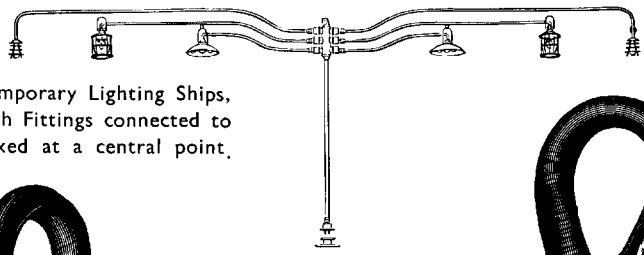
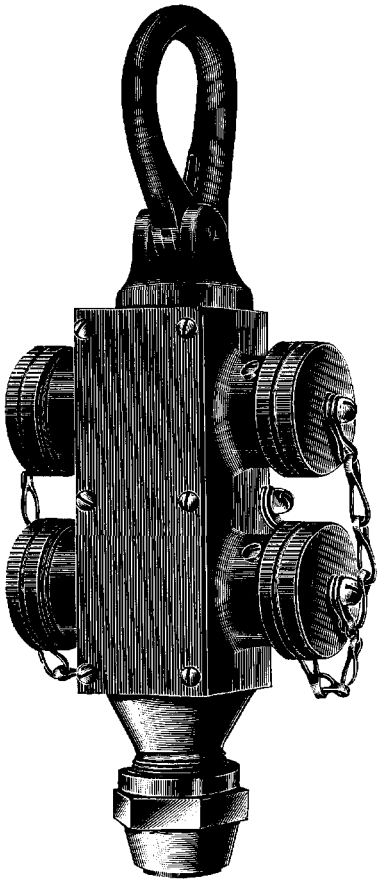


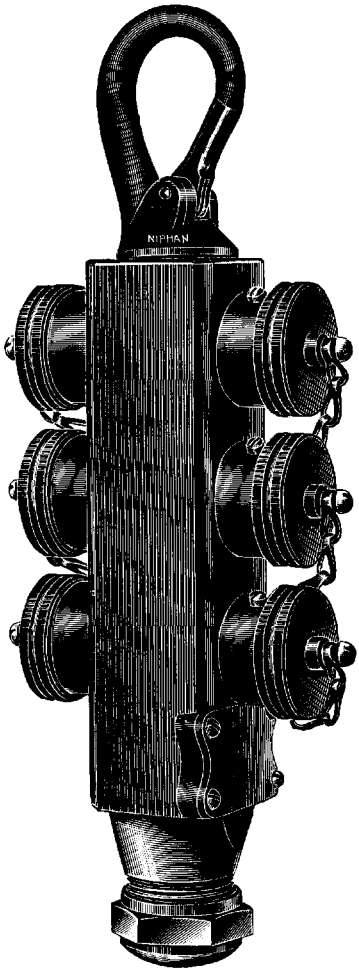
Diagram for Temporary Lighting Ships, Docks, etc., with Fittings connected to a 6-way Tee fixed at a central point.

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 |

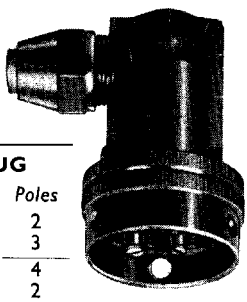
**IMPORTANT**

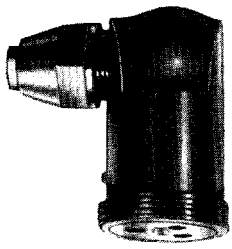
*3 pole supplied one pole earthed*

*Plugs for above see pages 6 and 12*

# 3 AMP. 50 VOLT 5 AMP. 250 VOLT
# 15 AMP. 250 VOLT

## CABLE COUPLINGS



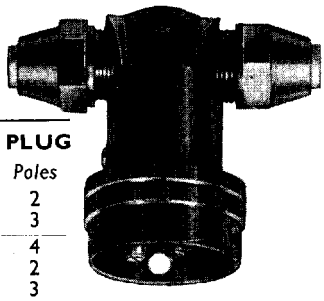


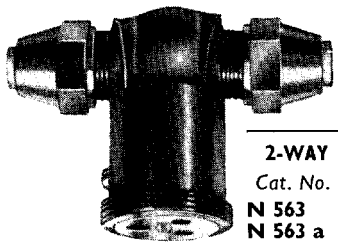
### ANGLE PLUG

| 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 |





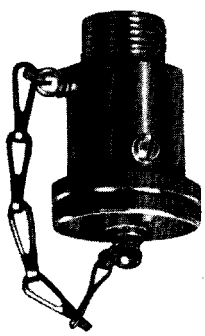
### 2-WAY ANGLE PLUG

| 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 ,, $\frac{3}{4}$″ 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*

NIPHAN

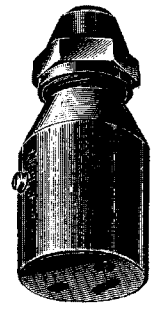
# 3 to 10 AMP. 250 VOLT

## CABLE COUPLINGS

**(Push-on pattern with spring cover)**

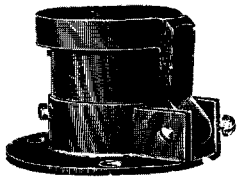
**PUSH-ON PLUG**

| *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 |



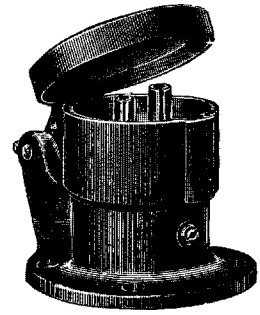
**PLAIN SOCKET**

| *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**

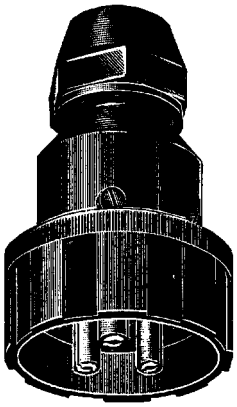
*3 and 4 pole supplied one pole earthed unless otherwise ordered*

*For alternative Cable Glands see page 39*

NIPHAN

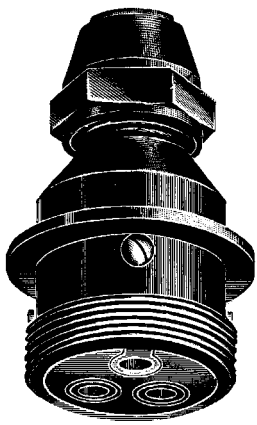
# 25 & 50 AMP. 250 VOLT

## CABLE COUPLINGS



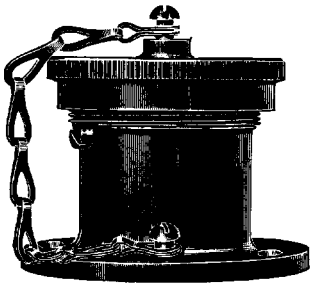
### PLUG

| 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 |



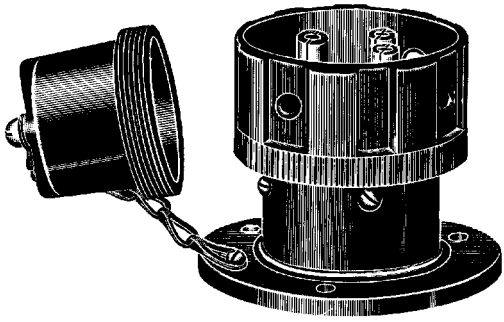
### PLAIN SOCKET

| 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*

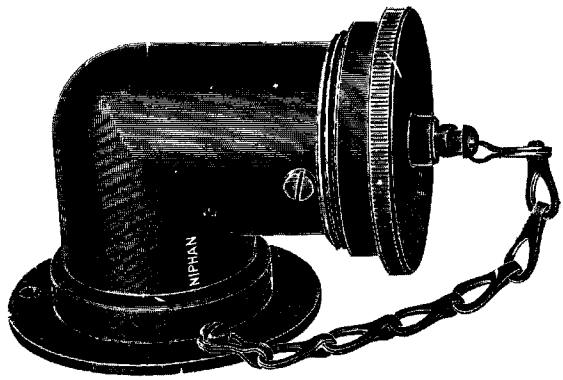
*For alternative Cable Glands see page 39*

# 25 & 50 AMP. 250 VOLT

## CABLE COUPLINGS

### ANGLE FLANGE SOCKET & COVER

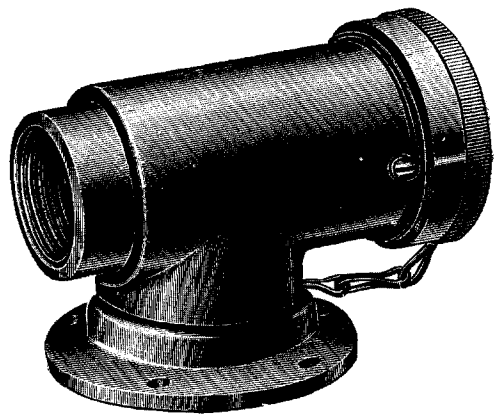
| Cat. No. | Amps. | Poles | |
|---|---|---|---|
| N 381 | 50 | 2 | |
| N 381 a | 50 | 3 | |
| N 381 b | 50/15 | 4 | } |
| 2-50 amp. & 2-15 amp. | | | } |
| N 811 | 25 | 2 | |
| N 811 a | 25 | 3 | |
| N 811 b | 25 | 4 | |




50 amp. screwed 1¼" conduit
25 amp. ,, 1" conduit

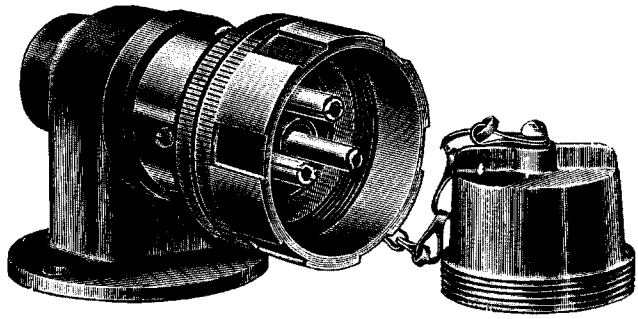
### THROUGH ANGLE FLANGE SOCKET & COVER

| 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 1¼" conduit
25 amp. ,, 1" conduit

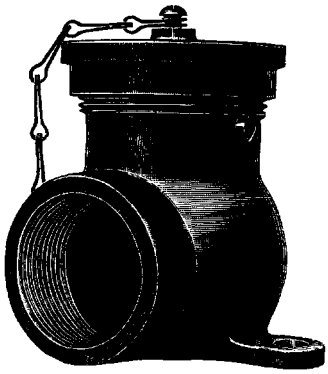
**IMPORTANT**

*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*

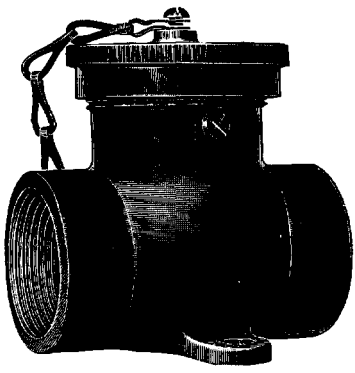
NIPHAN

# 25 & 50 AMP. 250 VOLT
## CABLE COUPLINGS



50 Amp.
Screwed
1¼" conduit

25 Amp.
1" conduit

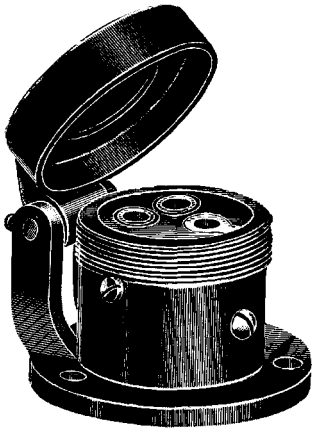


### TERMINAL SOCKET & COVER

| 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 |

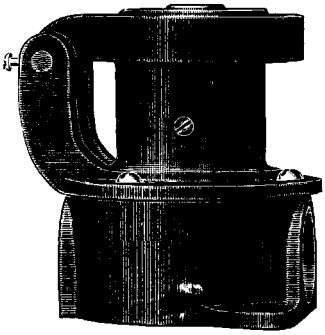
### THROUGH SOCKET & COVER

| 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
1¼" 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 |

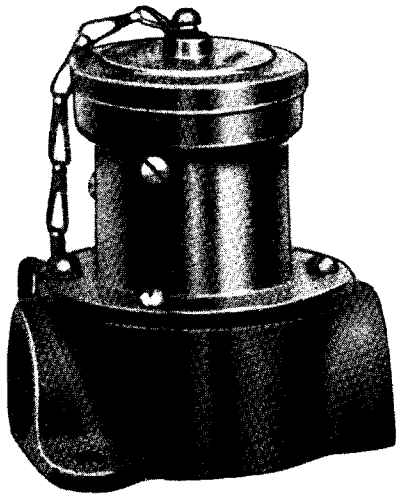
### IMPORTANT

*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

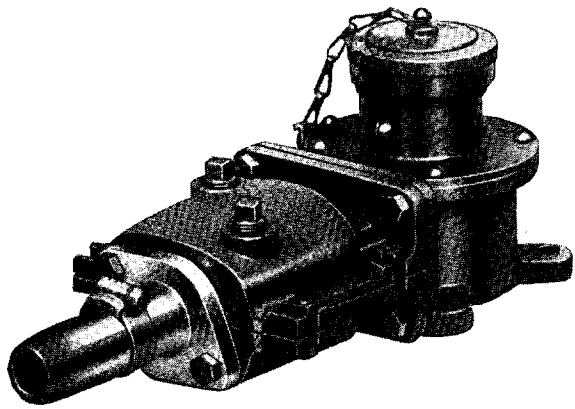
| Cat. No. | Amps. | Poles |
|---|---|---|
| **N 384** | 50 | 2 |
| **N 384 a** | 50 | 3 |
| **N 384 b** | 50/15 | 4 |
| 2-50 amp. & 2-15 amp. | | |
| **N 884** | 25 | 2 |
| **N 884 a** | 25 | 3 |
| **N 884 b** | 25 | 4 |



50 Amp. Screwed 1¼″ 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)**

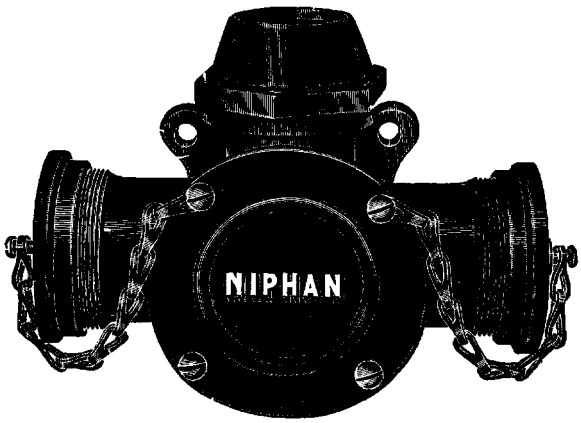
| Cat. No. | Amps. | Poles | (Old Cat. No.) |
|---|---|---|---|
| **N 383JG** | 50 | 2 | |
| **N 383JG a** | 50 | 3 | |
| **N 383JG b** | 50/15 | 4 | |
| 2-50 amp. & 2-15 amp. | | | |
| **N 883JG** | 25 | 2 | **N 888G** |
| **N 883JG a** | 25 | 3 | **N 888G a** |
| **N 883JG b** | 25 | 4 | **N 888G b**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

**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

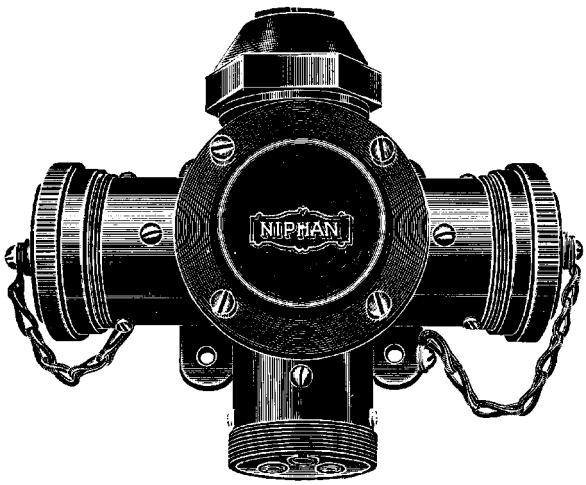



**2-WAY TEE & 1 COVER**

| *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*

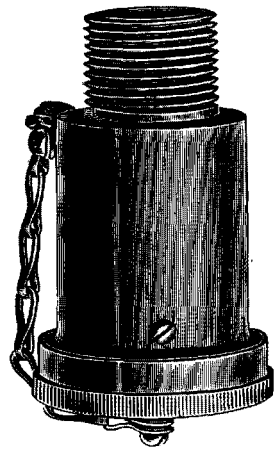
*For alternative Cable Glands see page 39*

*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



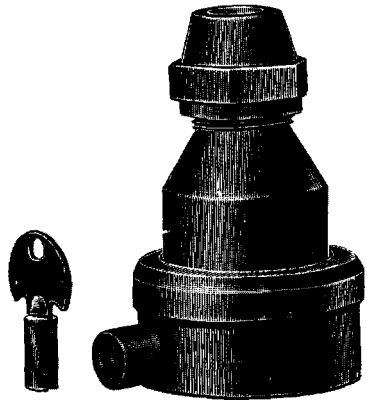
### SQUARE END SOCKET & COVER

| 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



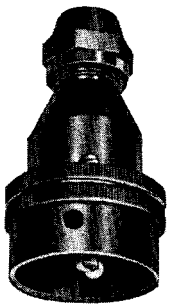
**IMPORTANT**

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

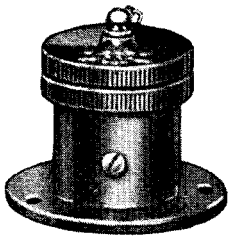
NIPHAN

# 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 |

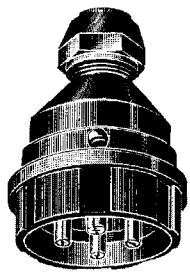
The above are similar to 5 and 15 amp. couplings shown on pages 6 and 8

*Dimensions see page 38*

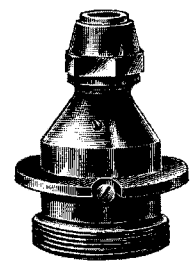
*For alternative Cable Glands see page 39*

# 5 AMP. 500 VOLT 3 & 4 POLE

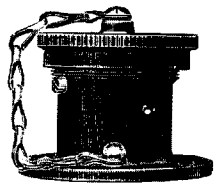
## CABLE COUPLINGS



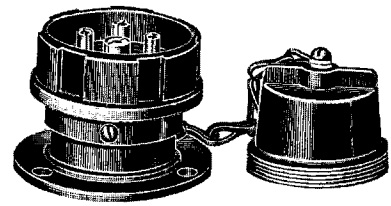
| PLUG | |
|---|---|
| **N 400 a** | 3 Pole |
| **N 400 b** | 4 Pole |



| 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**

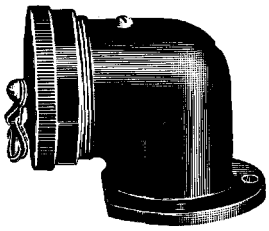
*Supplied one pole earthed*

*Dimensions see page 38*

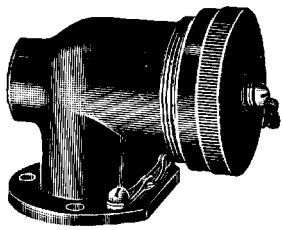
*For alternative Cable Glands see page 39*

# 5 AMP. 500 VOLT 3 & 4 POLE

## CABLE COUPLINGS

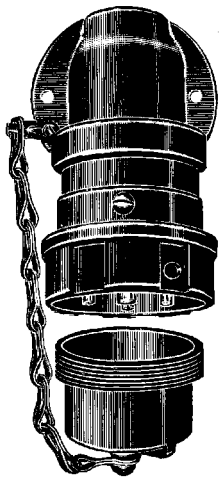


Screwed $\frac{3}{4}$" conduit



### 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 |

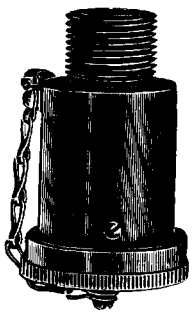
Can be supplied through pattern screwed $\frac{3}{4}$" conduit

### ANGLE FLANGE PLUG & COVER

| | |
|---|---|
| **N 459 a** | 3 Pole |
| **N 459 b** | 4 Pole |

Screwed 1" conduit

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

### 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*

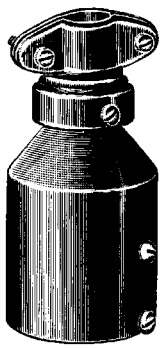
# 5, 15 & 25 AMP. 500 VOLT 3 & 4 POLE

## CABLE COUPLINGS

**(Push-on pattern with spring cover)**

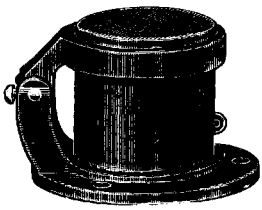
### PUSH-ON PLUG

| *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 |



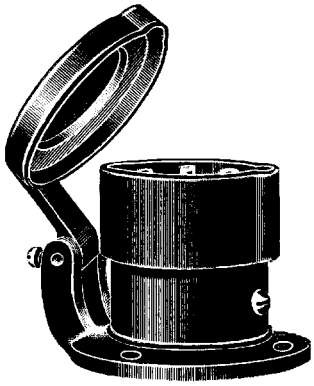
### PLAIN SOCKET

| *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**

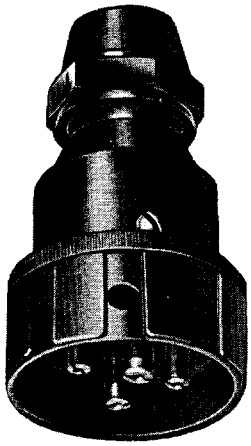
*Supplied one pole earthed*

*For alternative Cable Glands see page 39*

NIPHAN

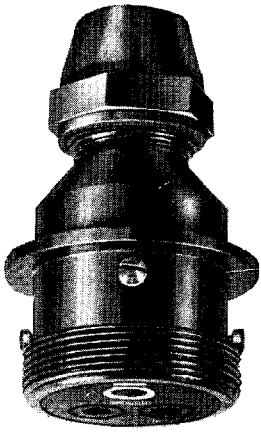
# 15 & 25 AMP. 500 VOLT 3 & 4 POLE

## CABLE COUPLINGS



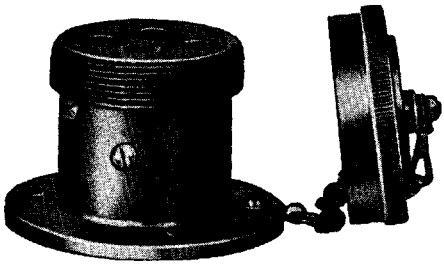
### PLUG

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



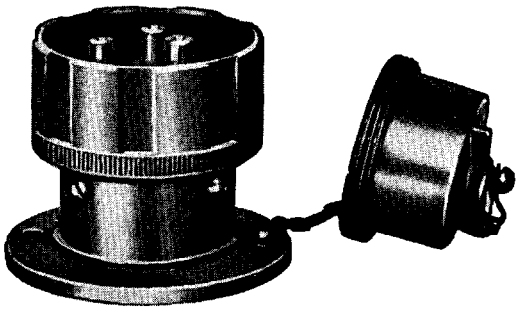
### PLAIN SOCKET

| 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*

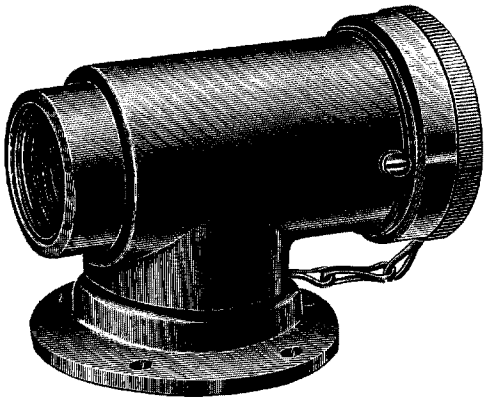
# 15 & 25 AMP. 500 VOLT 3 & 4 POLE

## CABLE COUPLINGS


15 amp. screwed 1″ conduit
25 amp. ,, 1¼″ conduit

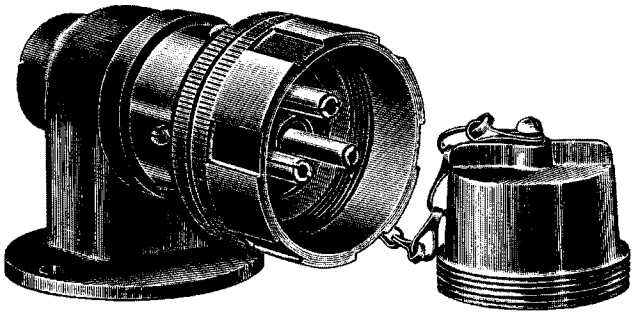
**ANGLE FLANGE SOCKET & COVER**

| *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. ,, 1¼″ conduit

**IMPORTANT**

*Supplied one pole earthed*

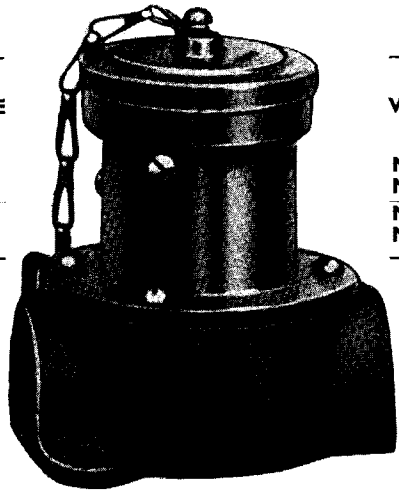
*Dimensions of Angle Sockets see page 38* *Plugs and Plain Sockets for above see page 24*

# 15 & 25 AMP. 500 VOLT 3 & 4 POLE

## CABLE COUPLINGS

**SOCKET & COVER WITH TERMINAL BASE**

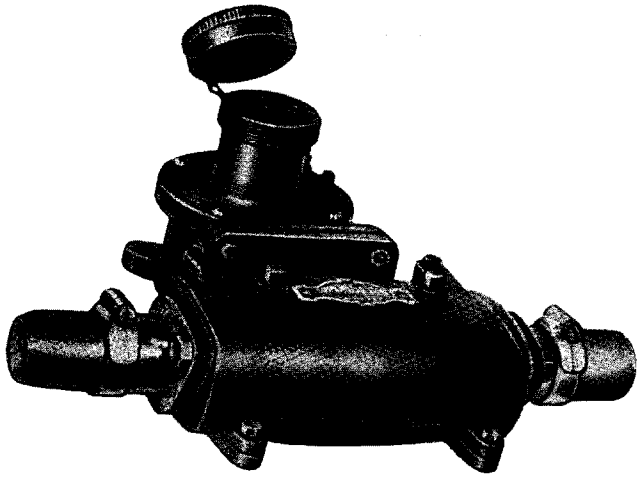
| Cat. No. | Amps. | Poles |
|---|---|---|
| **N 8844 a** | 15 | 3 |
| **N 8844 b** | 15 | 4 |
| **N 3844 a** | 25 | 3 |
| **N 3844 b** | 25 | 4 |



15 amp. screwed 1″ conduit
25 amp. ,, 1¼″ 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**

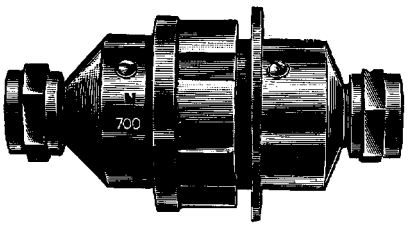
*Supplied one pole earthed*

*Plugs for above see page 24*

REGD TRADE MARK
NIPHAN

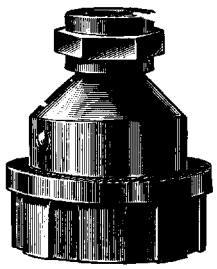
## COUPLINGS TO B.S.546 (B.E.S.A.) GAUGE

# 5 & 15 AMP. 250 VOLT
# 3 POLE (2 & Earth)



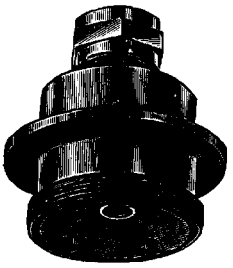

**Plain Coupling, consisting of**

**N 7001—15 Amp. Plug** and **N 7009—15 Amp. Plain Socket**
**N 201 — 5 Amp. Plug** and **N 209 — 5 Amp. Plain Socket**



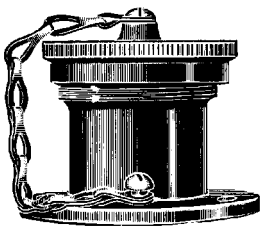
**PLUG**

| | |
|---|---|
| **N 201** | 5 AMP. |
| **N 7001** | 15 AMP. |



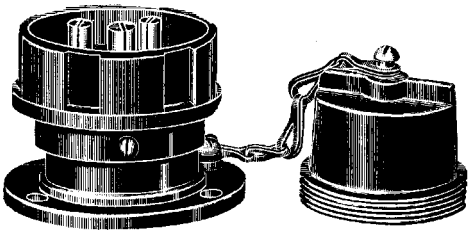
**PLAIN SOCKET**

| | |
|---|---|
| **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. |

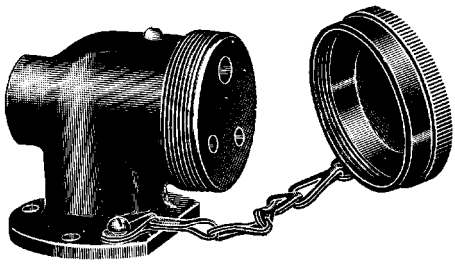
*For alternative Cable Glands see page 39*

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

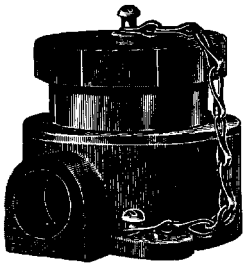
# 5 & 15 AMP. 250 VOLT
# 3 POLE (2 & Earth)

5 amp. screwed ¾″ conduit

15 amp. 1″ conduit



Screwed 1″ conduit



### ANGLE FLANGE SOCKET & COVER

| | |
|---|---|
| **N 207** | 5 AMP. |
| **N 7007** | 15 AMP. |

### THROUGH ANGLE FLANGE SOCKET & COVER

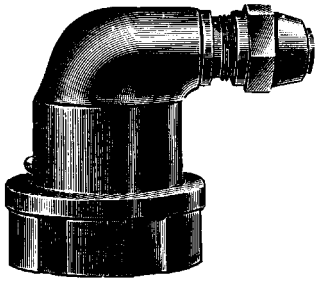
| | |
|---|---|
| **N 208** | 5 AMP. |
| **N 7008** | 15 AMP. |

### SOCKET & COVER WITH TERMINAL BASE

| | |
|---|---|
| **N 205** | 5 AMP. |
| **N 7005** | 15 AMP. |

### SOCKET & COVER WITH THROUGH BASE

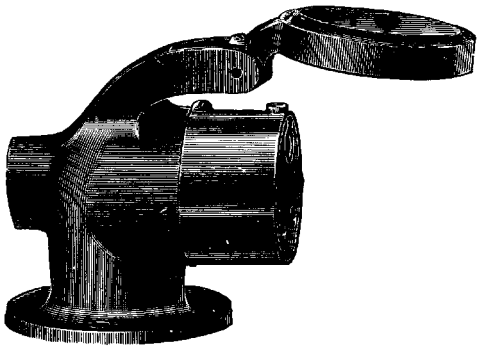
| | |
|---|---|
| **N 206** | 5 AMP. |
| **N 7006** | 15 AMP. |



### ANGLE PLUG

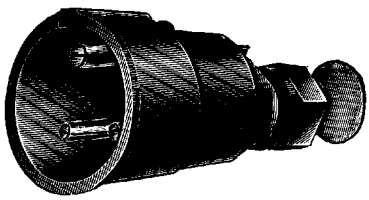
| | |
|---|---|
| **N 218** | 5 AMP. |
| **N 7018** | 15 AMP. |

Screwed ¾″ 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*

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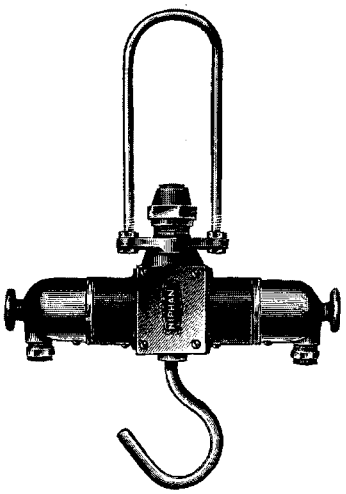
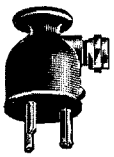
COUPLINGS TO B.S.546 (B.E.S.A.) GAUGE

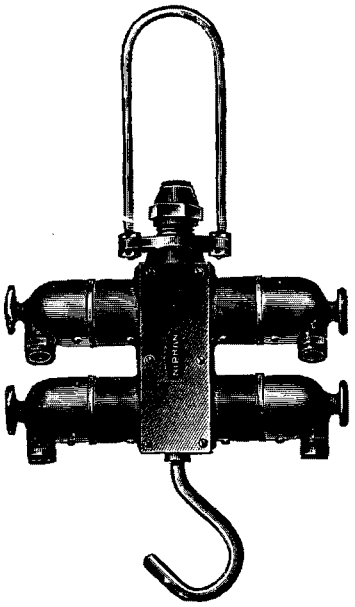
# 5 & 15 AMP. 250 VOLT 3 POLE (2 & Earth)





**ANGLE PLUG**

| | |
|---|---|
| **N 200** | 5 AMP. |
| **N 7000** | 15 AMP. |



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

| | |
|---|---|
| **N 211** | 5 AMP. |
| **N 7011** | 15 AMP. |

*Prices on request*

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

| | |
|---|---|
| **N 210** | 5 AMP. |
| **N 7010** | 15 AMP. |

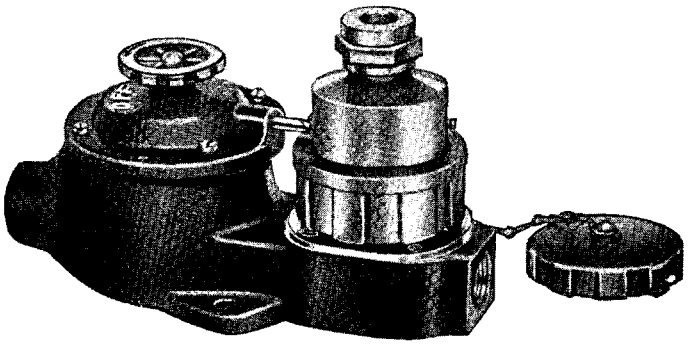
## W.T. INTERLOCKED SWITCH SOCKETS & PLUGS

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.** |

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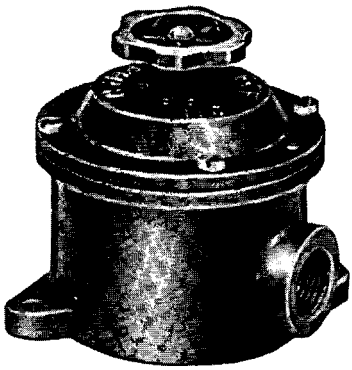
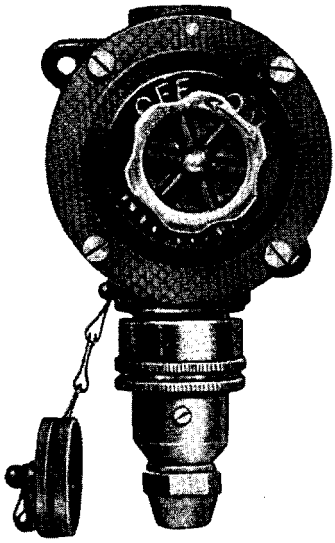
## W.T. SINGLE & DOUBLE POLE SWITCHES & SWITCH SOCKETS WITH PLUGS

**5 & 15 AMP. 250 VOLT**



### CAST IRON WEATHERTIGHT SWITCH

| | *Single Pole Switch* | *Double Pole Switch* |
|---|---|---|
| 5 amp., screwed ¾″ conduit ... ... ... ... ... ... | **N 900** | **N 9002** |
| 15 amp., ,, 1″ conduit ... ... ... ... ... ... | **N 901** | **N 9012** |



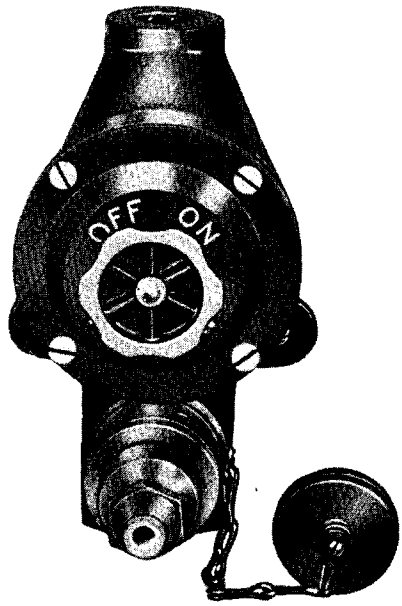

### CAST IRON WEATHERTIGHT NON-INTERLOCKED SWITCH SOCKET WITH PLUG

| | *Single Pole Switch* | *Double Pole Switch* | *Plug* |
|---|---|---|---|
| 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 ¾″ conduit, 15 amp. 1″ conduit

## W.T. SINGLE & DOUBLE POLE SWITCH SOCKETS WITH PLUGS

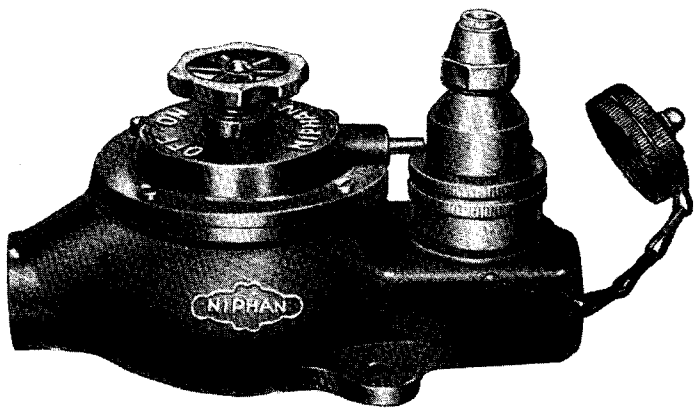
**5 & 15 AMP.** **250 VOLT**




## 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



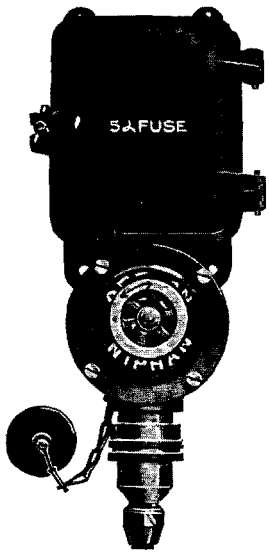

## CAST IRON WEATHERTIGHT INTERLOCKED SWITCH SOCKET WITH PLUG

| | *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 |

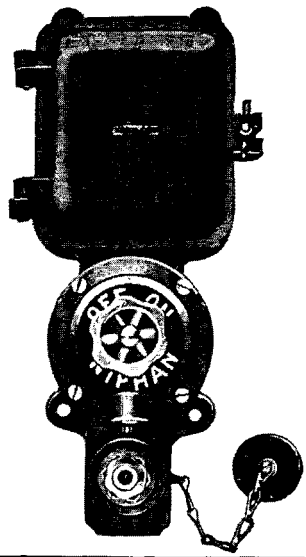
5 amp. screwed $\frac{3}{4}$″ conduit, 15 amp. 1″ conduit

## 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

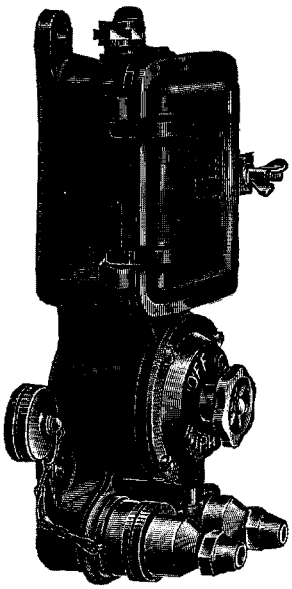



**CAST IRON WEATHERTIGHT NON-INTERLOCKED FUSED SWITCH SOCKET WITH PLUG**
**D.P. Fuses & 2 Pole Socket & Plug with 3rd Pole for Earthing**

| | | |
|---|---|---|
| **N 912 a** | 5 amp. with S.P. Switch | **N 600 a** |
| **N 9122 a** | 5 amp. with D.P. Switch | |
| **N 951 a** | 15 amp. with S.P. Switch | **N 527 a** |
| **N 9511 a** | 15 amp. with D.P. Switch | |

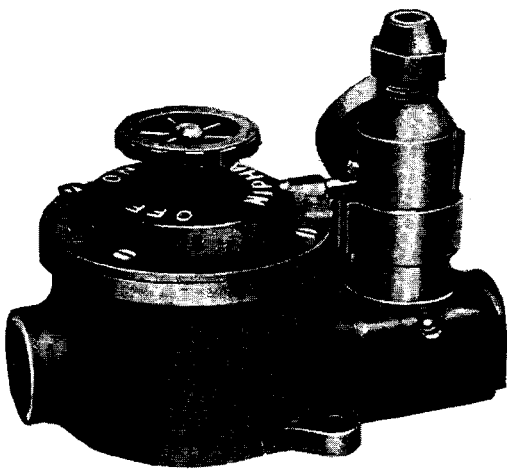
**CAST IRON WEATHERTIGHT INTERLOCKED FUSED SWITCH SOCKET WITH PLUG**
**D.P. Fuses & 2 Pole Socket & Plug with 3rd Pole for Earthing**

| | |
|---|---|
| **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

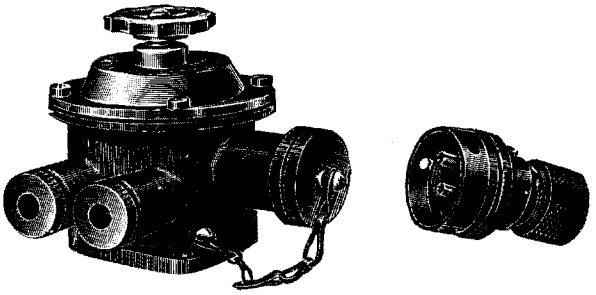
Screwed 1" conduit




**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

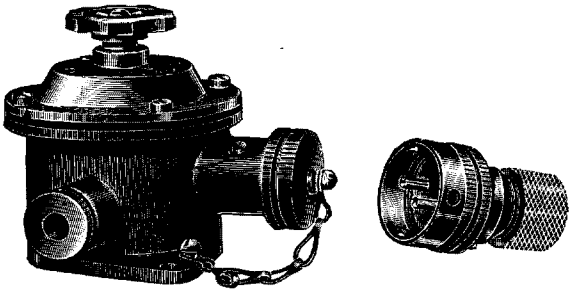
**CAST IRON INTERLOCKED SWITCH SOCKET WITH SPRING COVER & PUSH-ON PATTERN PLUG**
**2 Pole with 3rd Pole for Earthing**
10 AMP. 250 VOLT
**N 962 a** with S.P. Switch
**N 9622 a** with D.P. Switch

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



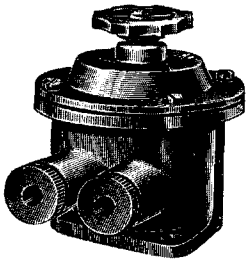
### 5 AMP. CAST BRASS SWITCH WITH 2 POLE SOCKET & TWO GLANDS

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



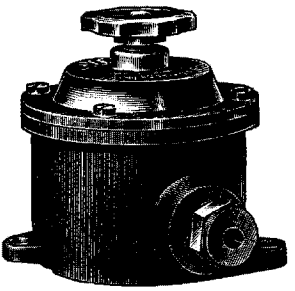
### 5 AMP. CAST BRASS SWITCH WITH 2 POLE SOCKET & ONE GLAND

**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

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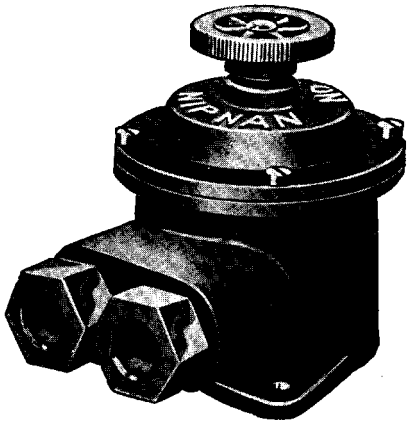
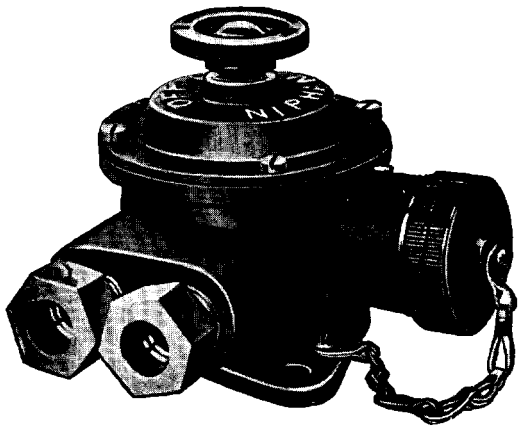
## W.T. SINGLE & DOUBLE POLE SWITCHES & SWITCH SOCKETS WITH GLANDS FOR LEAD & ARMOURED CABLES

**5 AMP. 250 VOLT**



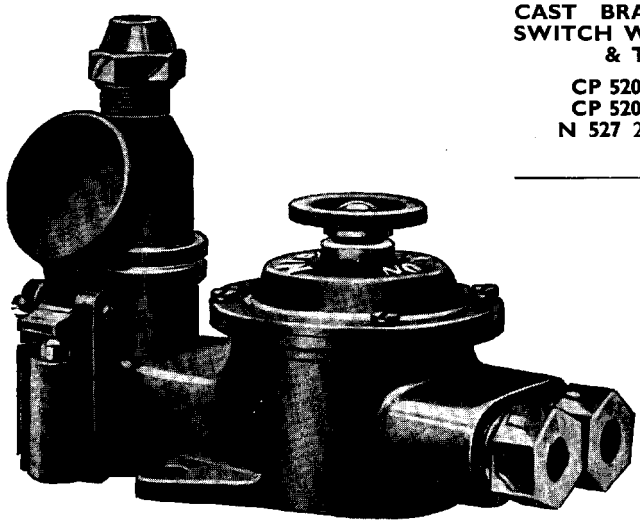
**CAST BRASS WEATHERTIGHT SWITCH WITH TWO GLANDS**

**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

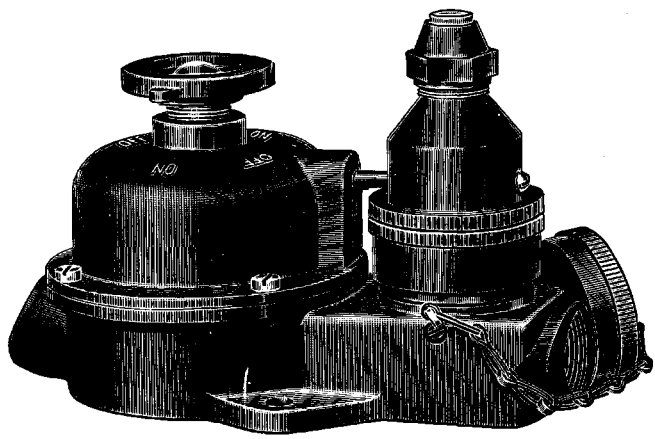


**CAST BRASS WEATHERTIGHT NON-INTERLOCKED SWITCH WITH 2 POLE SOCKET & PLUG, TWO GLANDS & SPRING COVER**

**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.**

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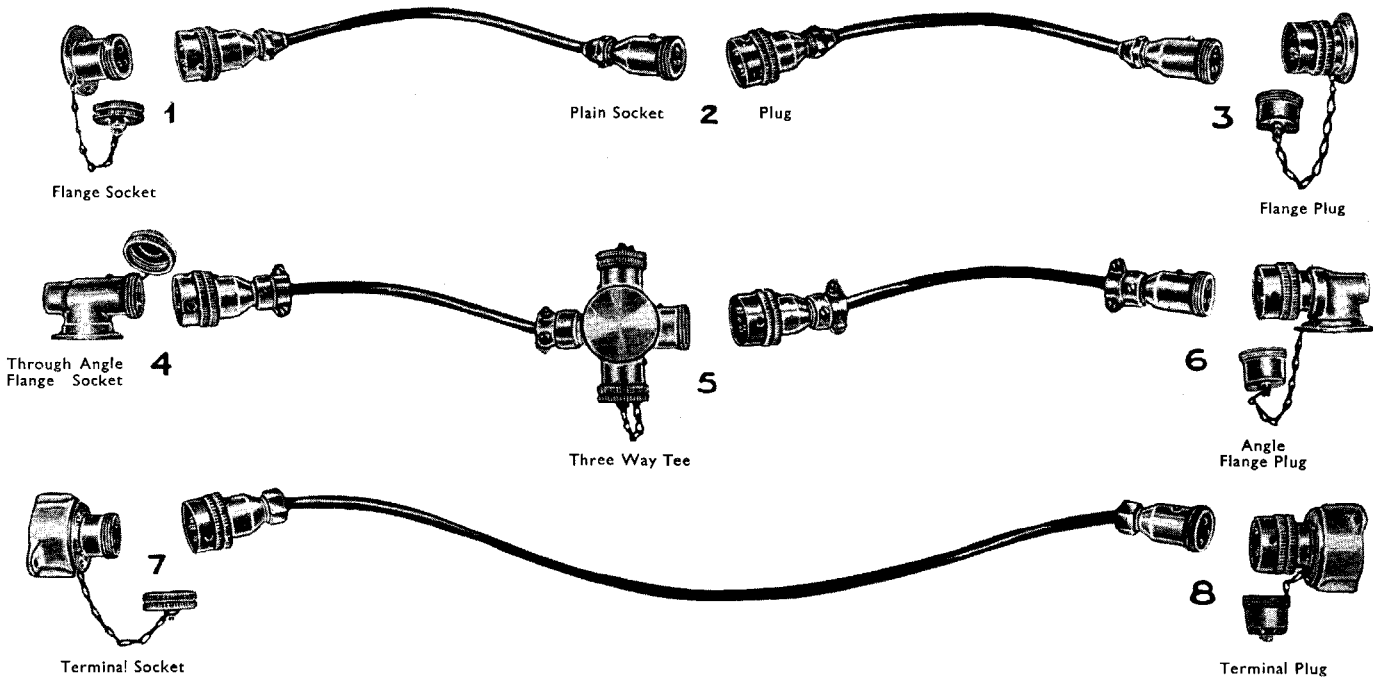
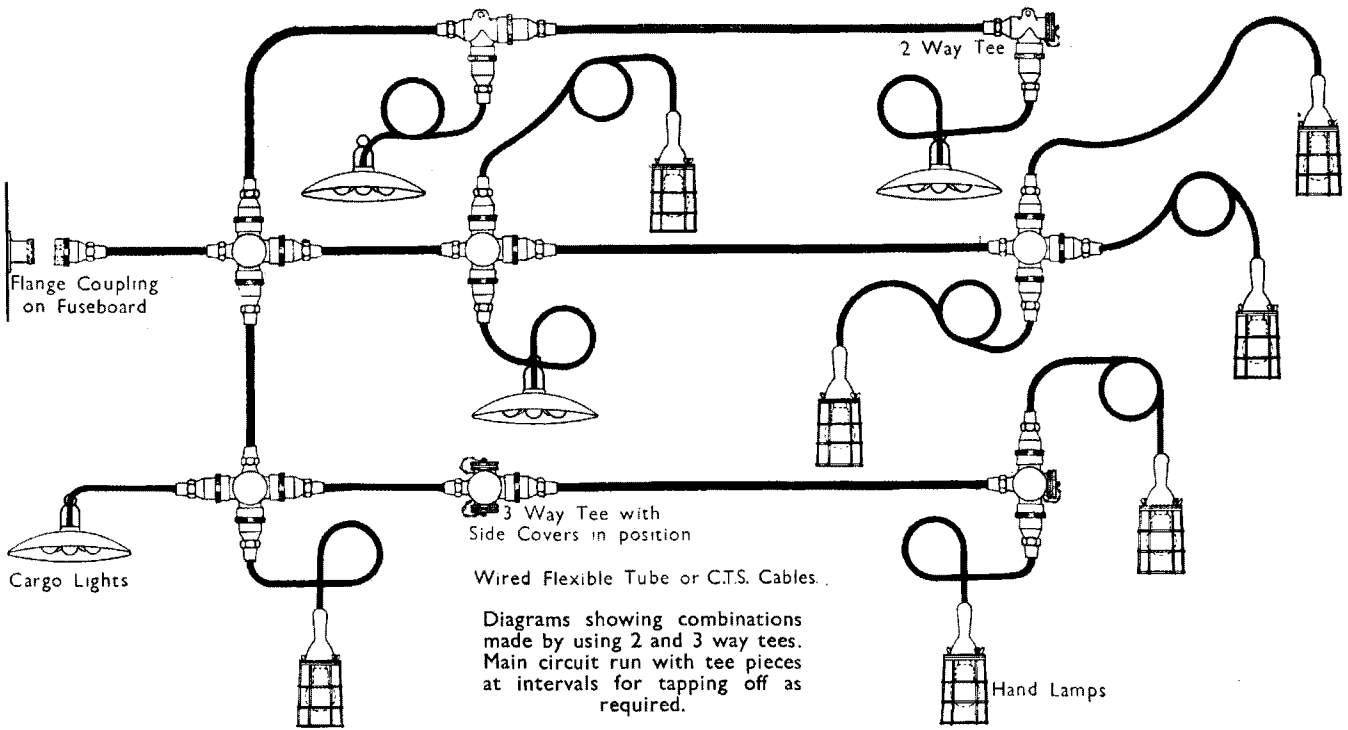
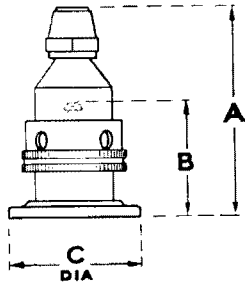


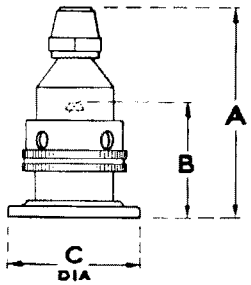

Examples of coupling arrangements.

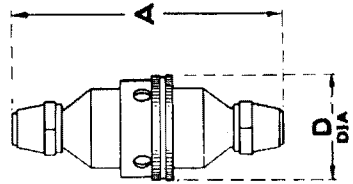
**NOTE.—In starting a circuit, sockets of couplings must always be at the live end.**

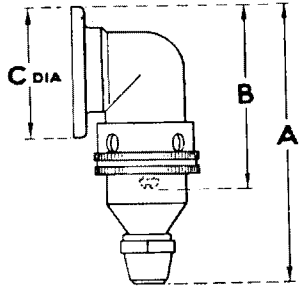



**NOTE.—In starting a circuit, sockets of couplings must always be at the live end.**




## FLANGE SOCKET & PLUG

### 50 & 250 VOLT

| Amps. | Poles | A | B | C | Fixing holes No. | Fixing holes Dia. | Fixing holes P.C.D. |
|---|---|---|---|---|---|---|---|
| 3 | 4 | $2\frac{7}{8}$ | $1\frac{1}{2}$ | $1\frac{3}{4}$ | 3 | $\frac{5}{32}$ | $1\frac{7}{16}$ |
| 5 | 2/3 | | | | | | |
| 5 | 4 | $4\frac{1}{4}$ | $2\frac{1}{8}$ | $2\frac{1}{4}$ | 3 | $\frac{3}{16}$ | $1\frac{7}{8}$ |
| 15 | 2/3 | | | | | | |
| 25 | — | $4\frac{7}{8}$ | $2\frac{5}{8}$ | $2\frac{9}{16}$ | 3 | $\frac{3}{16}$ | $2\frac{1}{8}$ |
| 50 | — | $5\frac{3}{4}$ | $2\frac{3}{4}$ | $3\frac{9}{16}$ | 3 | $\frac{3}{16}$ | $2\frac{5}{8}$ |

### SINGLE POLE

| Amps. | A | B | C | Fixing holes No. | Fixing holes Dia. | Fixing holes P.C.D. |
|---|---|---|---|---|---|---|
| 5 | $2\frac{7}{8}$ | $1\frac{1}{2}$ | $1\frac{3}{4}$ | 3 | $\frac{5}{32}$ | $1\frac{7}{16}$ |
| 15 | $3\frac{1}{4}$ | $1\frac{1}{2}$ | $1\frac{3}{4}$ | 3 | $\frac{5}{32}$ | $1\frac{7}{16}$ |
| 25 | $4\frac{1}{4}$ | $2\frac{1}{8}$ | $2\frac{1}{4}$ | 3 | $\frac{3}{16}$ | $1\frac{7}{8}$ |

### 500 VOLT

| Amps. | A | B | C | Fixing holes No. | Fixing holes Dia. | Fixing holes P.C.D. |
|---|---|---|---|---|---|---|
| 5 | $4\frac{1}{4}$ | $2\frac{1}{4}$ | $2\frac{9}{16}$ | 3 | $\frac{3}{16}$ | $2\frac{1}{8}$ |
| 15 | $4\frac{7}{8}$ | $2\frac{5}{8}$ | $2\frac{9}{16}$ | 3 | $\frac{3}{16}$ | $2\frac{1}{8}$ |
| 25 | $5\frac{3}{4}$ | $2\frac{3}{4}$ | $3\frac{3}{16}$ | 3 | $\frac{3}{16}$ | $2\frac{5}{8}$ |

## FLANGE PLUG & PLAIN SOCKET

### 50 & 250 VOLT

| Amps. | Poles | A | B | C | Fixing holes No. | Fixing holes Dia. | Fixing holes P.C.D. |
|---|---|---|---|---|---|---|---|
| 3 | 4 | 3 | $2\frac{1}{8}$ | $1\frac{3}{4}$ | 3 | $\frac{5}{32}$ | $1\frac{7}{16}$ |
| 5 | 2/3 | | | | | | |
| 5 | 4 | $4\frac{1}{8}$ | $2\frac{5}{8}$ | $2\frac{1}{4}$ | 3 | $\frac{3}{16}$ | $1\frac{7}{8}$ |
| 15 | 2/3 | | | | | | |
| 25 | — | 5 | $3\frac{1}{8}$ | $2\frac{9}{16}$ | 3 | $\frac{3}{16}$ | $2\frac{1}{8}$ |
| 50 | — | $5\frac{3}{4}$ | $3\frac{1}{4}$ | $3\frac{9}{16}$ | 3 | $\frac{3}{16}$ | $2\frac{5}{8}$ |

### SINGLE POLE

| Amps. | A | B | C | Fixing holes No. | Fixing holes Dia. | Fixing holes P.C.D. |
|---|---|---|---|---|---|---|
| 5 | 3 | $2\frac{1}{8}$ | $1\frac{3}{4}$ | 3 | $\frac{5}{32}$ | $1\frac{7}{16}$ |
| 15 | $3\frac{3}{8}$ | $2\frac{1}{8}$ | $1\frac{3}{4}$ | 3 | $\frac{5}{32}$ | $1\frac{7}{16}$ |
| 25 | $4\frac{1}{8}$ | $2\frac{5}{8}$ | $2\frac{1}{4}$ | 3 | $\frac{3}{16}$ | $1\frac{7}{8}$ |

### 500 VOLT

| Amps. | A | B | C | Fixing holes No. | Fixing holes Dia. | Fixing holes P.C.D. |
|---|---|---|---|---|---|---|
| 5 | $4\frac{1}{4}$ | $2\frac{7}{8}$ | $2\frac{9}{16}$ | 3 | $\frac{3}{16}$ | $2\frac{1}{8}$ |
| 15 | 5 | $3\frac{1}{8}$ | $2\frac{9}{16}$ | 3 | $\frac{3}{16}$ | $2\frac{1}{8}$ |
| 25 | $5\frac{3}{4}$ | $3\frac{1}{4}$ | $3\frac{3}{16}$ | 3 | $\frac{3}{16}$ | $2\frac{5}{8}$ |

## PLAIN COUPLING

### 50 & 250 VOLT

| Amps. | Poles | A | D |
|---|---|---|---|
| 3 | 4 | 4 | $1\frac{7}{16}$ |
| 5 | 2/3 | | |
| 5 | 4 | $5\frac{5}{8}$ | $1\frac{3}{4}$ |
| 15 | 2/3 | | |
| 25 | — | $6\frac{5}{8}$ | $2\frac{1}{4}$ |
| 50 | — | $7\frac{5}{8}$ | $2\frac{9}{16}$ |

### SINGLE POLE

| Amps. | A | D |
|---|---|---|
| 5 | 4 | $1\frac{7}{16}$ |
| 15 | $4\frac{3}{4}$ | $1\frac{7}{16}$ |
| 25 | $5\frac{5}{8}$ | $1\frac{3}{4}$ |

### 500 VOLT

| Amps. | A | D |
|---|---|---|
| 5 | $5\frac{5}{8}$ | $2\frac{3}{16}$ |
| 15 | $6\frac{5}{8}$ | $2\frac{1}{4}$ |
| 25 | $7\frac{5}{8}$ | $2\frac{9}{16}$ |

## ANGLE FLANGE SOCKET & PLUG

### 50 & 250 VOLT

| Amps. | Poles | A | B | C | Fixing holes No. | Fixing holes Dia. | Fixing holes P.C.D. |
|---|---|---|---|---|---|---|---|
| 3 | 4 | $4\frac{1}{8}$ | $2\frac{7}{8}$ | 2 | 3 | $\frac{3}{16}$ | $1\frac{5}{8}$ |
| 5 | 2/3 | | | | | | |
| 5 | 4 | $5\frac{1}{2}$ | $3\frac{3}{8}$ | $2\frac{1}{4}$ | 3 | $\frac{3}{16}$ | $1\frac{7}{8}$ |
| 15 | 2/3 | | | | | | |
| 25 | — | $6\frac{3}{8}$ | 4 | $2\frac{9}{16}$ | 3 | $\frac{3}{16}$ | $2\frac{1}{8}$ |
| 50 | — | $7\frac{5}{8}$ | $4\frac{5}{8}$ | $3\frac{9}{16}$ | 3 | $\frac{3}{16}$ | $2\frac{5}{8}$ |

### SINGLE POLE

| Amps. | A | B | C | Fixing holes No. | Fixing holes Dia. | Fixing holes P.C.D. |
|---|---|---|---|---|---|---|
| 5 | $4\frac{1}{8}$ | $2\frac{7}{8}$ | 2 | 3 | $\frac{3}{16}$ | $1\frac{5}{8}$ |
| 15 | $4\frac{7}{8}$ | $3\frac{1}{4}$ | 2 | 3 | $\frac{3}{16}$ | $1\frac{5}{8}$ |
| 25 | $5\frac{1}{2}$ | $3\frac{3}{8}$ | $2\frac{1}{4}$ | 3 | $\frac{3}{16}$ | $1\frac{7}{8}$ |

### 500 VOLT

| Amps. | A | B | C | Fixing holes No. | Fixing holes Dia. | Fixing holes P.C.D. |
|---|---|---|---|---|---|---|
| 5 | $5\frac{1}{4}$ | $3\frac{3}{8}$ | $2\frac{1}{4}$ | 3 | $\frac{3}{16}$ | $1\frac{7}{8}$ |
| 15 | $6\frac{3}{8}$ | 4 | $2\frac{9}{16}$ | 3 | $\frac{3}{16}$ | $2\frac{1}{8}$ |
| 25 | $7\frac{5}{8}$ | $4\frac{5}{8}$ | $3\frac{3}{16}$ | 3 | $\frac{3}{16}$ | $2\frac{5}{8}$ |

APPROXIMATE DIMENSIONS (inches)

*Note.—Dimension B is with cover on*

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## 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 } in. | 600·0 | 384·0 |
| 91/·103 | 91/101 } in. | 750·0 | 461·0 |
| 127/·103 | 127/101 } in. | 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 × 3·1416 gives the Circumference

The Radius squared × 3·1416 gives the Area.

The Diameter squared × 3·1416 gives the Area of a Sphere or Globe

One-sixth of the Cube of the Diameter × 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. |
| 1 ,, | Brass ,, | ·305 ,, |
| 1 ,, | Gunmetal ,, | ·322 ,, |
| 1 ,, | Aluminium ,, | ·0927 ,, |
| 1 ,, | 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. |

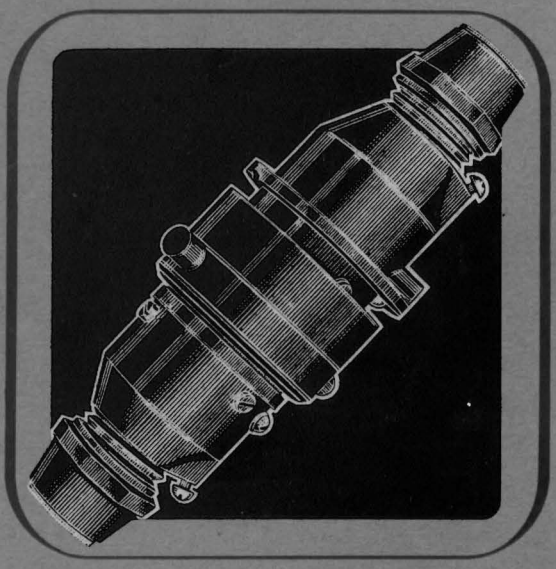
## OHMS LAW

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

$V = C \times R.$

REGD. TRADE MARK

NIPHAN



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