

NANABOSHI CONNECTOR CATALOGUE

1



<S Type> and <G Type>

Our connectors are classified into two types : <S Type> and <G Type> These designations apply only to products, but we use them for convenience in product identification. We manufacture both connectors with a socket insert incorporated and connectors with a pin insert incorporated for each series, size and shape of connector as a rule. <S Type> and <G Type> are classifications according to the shape of shells into which the socket insert or pin insert is incorporated.

Specifically, they are classified as follows:

<S Type>

Plugs with socket insert incorporated ... PF,LPF,GPF,SPF
 Receptacles with pin insert incorporated ... RM, RM(Square), CRM
 Adapters with pin insert incorporated ... AdM, Ad(F)M

<G Type>

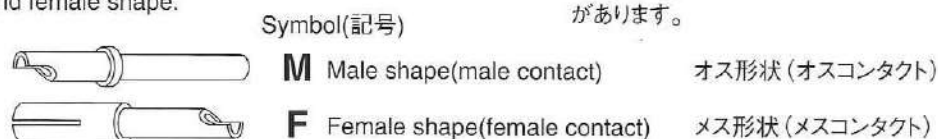
Plugs with pin insert incorporated ... PM,LPM,GPM,SPM
 Receptacles with socket insert incorporated ... RF,RF(Square),CRF
 Adapters with socket insert incorporated ... AdF, Ad(F)F

※By our method of classification, receptacles for domestic use are of <G Type>.

Contacts and Inserts

(Contacts)

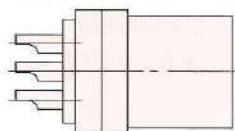
There are two types of contacts incorporated into a connector male shape and female shape.



(Inserts)

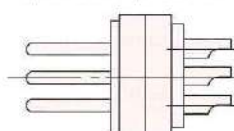
An assembly of contact into an insulator is called the "insert". There are two types of inserts: socket insert and pin insert.

<Socket insert> ソケットインサート



A female contact incorporated into an insulator.
 メスコンタクトを絶縁体に組み込んだもの

<Pin insert> ピンインサート



A male contact incorporated into an insulator.
 オスコンタクトを絶縁体に組み込んだもの

<正芯> <逆芯> について

弊社のコネクタには製品識別の上で<正芯> <逆芯>という区別があり、これは弊社独自の呼称です。原則として同じシリーズ・サイズ・形状のコネクタにつき、ソケットインサートが組み込まれたもの、ピンインサートが組み込まれたものの双方を用意しています。ソケットインサート、もしくはピンインサートが組み込まれるシェル形状によって<正芯> <逆芯>の区別をしています。

具体的には、以下の通りです。

<正芯>

ソケットインサートが組み込まれたプラグ類 ... PF,LPF,GPF,SPF
 ピンインサートが組み込まれたレセプタクル類 ... RM, RM(カク), CRM
 ピンインサートが組み込まれたアダプタ類 ... AdM, Ad(F)M

<逆芯>

ピンインサートが組み込まれたプラグ類 ... PM,LPM,GPM,SPM
 ソケットインサートが組み込まれたレセプタクル類 ... RF, RF(カク), CRF
 ソケットインサートが組み込まれたアダプタ類 ... AdF, Ad(F)F
 ※家庭用コンセントは、弊社においては<逆芯>になります。

コンタクト・インサートについて

(コンタクトについて)

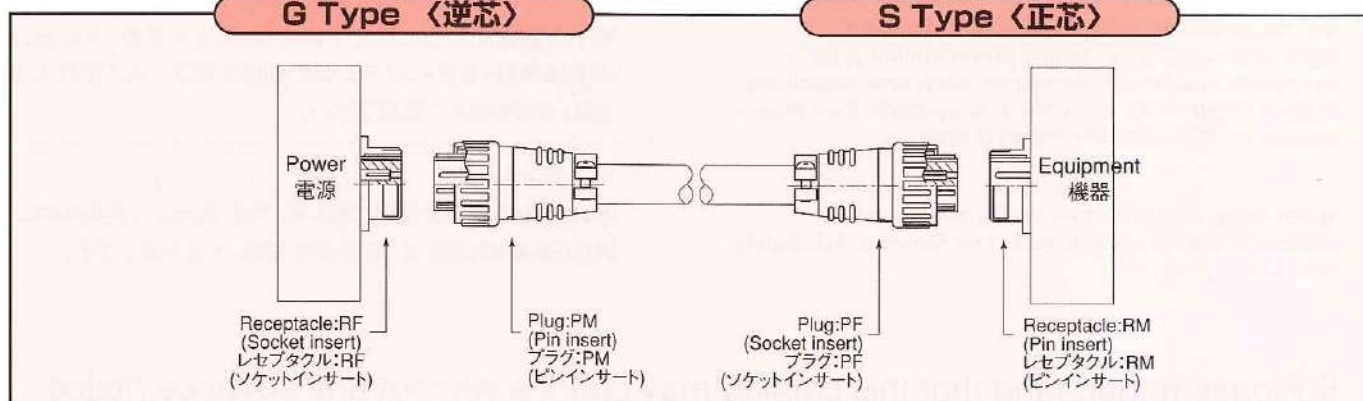
コネクタに組み込まれるコンタクトにはオス形状とメス形状の2種類があります。

(インサートについて)

絶縁体にコンタクトを組み込んだものをインサートと呼びます。インサートにはソケットインサートとピンインサートの2種類があります。

G Type <逆芯>

S Type <正芯>



Inserting or pulling out the connector in conduction is very dangerous. Be sure to turn off the power in advance.

通電状態でのコネクタの抜き差しは危険です。必ず電源を切ってから行って下さい。

Overseas standardized acquisition connectors

(海外規格取得製品)

UL and CSA standardized acquisition connectors (UL・CSA 規格取得コネクタ)

★Underwriters Laboratories Inc UL1977 approved.

★Canadian Standards Association C22. 2No. 182. 3 approved.

General purpose type :NJC NR NET (汎用タイプ)

Waterproof type :NJW NRW NEW (防水タイプ)

| Series designation (シリーズ名称) | Shell size (シェルサイズ) | Number of contacts (コンタクト数) | Rating of electricity (定格電流) | | | | Rating of voltage (定格電圧) |
|-----------------------------|---------------------|-----------------------------|------------------------------|-----|-----|-----|--------------------------|
| | | | 5A | 10A | 15A | 20A | |
| NJC NJW | 16 | 3 | | ○ | | | 125V |
| | | 5 | ○ | | | | |
| NJC NR NJW NRW | 20 | 2 | | | ○ | | |
| | | 3 | | | ○ | | |
| | | 4 | | ○ | | | |
| | | 5 | | ○ | | | |
| | | 7 | | ○ | | | |
| | | 10 | ○ | | | | |
| NJC NJW NRW | 24 | 12 | ○ | | | | |
| | | 2 | | | | ○ | |
| | | 3 | | | | ○ | |
| | | 4 | | | ○ | | |
| | | 5 | | | ○ | | |
| | | 10 | | ○ | | | |
| NET NEW | 24 | 14 | ○ | | | | |
| | | 16 | ○ | | | | |
| | | 3 | | | | ○ | |
| | | 4 | | | | ○ | |
| NJC NJW NRW | 28 | 16 | | ○ | | | |
| | | 24 | ○ | | | | |
| NET NEW | 28 | 4 | | | | ○ | |
| | | 8 | | | ○ | | |

※NJW NRW : Some products haven't obtained standards due to the code diameter.(packing) コード径(パッキン)により規格取得していない製品があります。

EN (European Norm) standardized acquisition connectors (欧州規格取得コネクタ)

★「DIN VDE 0627」 TÜV Rheinland

NET NJC NR : Protection degree IP 4X NEW NRW : Protection degree IP 67 (保護等級)

| Series designation (シリーズ名称) | Shell size (シェルサイズ) | Number of contacts (コンタクト数) | Rating of electricity (定格電流) | | | | Rating of voltage (定格電圧) |
|-----------------------------|---------------------|-----------------------------|------------------------------|-----|-----|-----|--------------------------|
| | | | 10A | 15A | 20A | 30A | |
| NJC | 20 | 2 | | ○ | | | 250V |
| | | 3 | | ○ | | | |
| | | 4 | ○ | | | | |
| | 24 | 2 | | | ○ | | |
| | | 3 | | | ○ | | |
| | | 4 | | ○ | | | |
| 32 | 3 | | | | ○ | | |
| | 4 | | | | ○ | | |
| | NR | 20 | 2 | | ○ | | |
| 3 | | | ○ | | | | |
| 4 | ○ | | | | | | |
| NRW | 24 | 2 | | | ○ | | |
| | | 3 | | | ○ | | |
| | | 4 | | ○ | | | |
| | 20 | 5 | | ○ | | | |
| | | 2 | | | ○ | | |
| | | 3 | | | ○ | | |
| NET NEW | 24 | 4 | ○ | | | | |
| | | 5 | ○ | | | | |
| | 28 | 4 | | ○ | | | |
| NET | 32 | 8 | | ○ | | | |
| | | 3 | | | | ○ | |
| | | 4 | | | | ○ | |

NET and NEW Series Connectors

Feature

1. Per "DIN/VDE0627" to TÜV Rheinland approved.
2. UL 1977 approved.
3. Structure with contact for earth use.
(touch have priority over other contacts)
4. Body earth structure [NET]
5. Coupling to quick lock structure [NEW]

特長

1. 「DIN/VDE0627」をTÜV Rheinlandにて認定取得
2. UL1977認定取得
3. アース用コンタクト付構造 (優先接触構造)
4. ボディアース構造 [NET]
5. 結合方式にワンタッチロック機構を採用 [NEW]

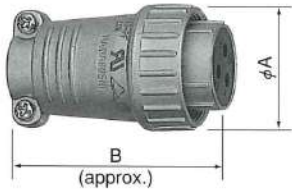
NET ●Material and Finish

●材質及び処理

| | Material (材質) | Finish (処理) |
|-----------------|--|---------------------------------|
| Shell (シェル) | Zinc alloy (亜鉛合金) | Crape chrome plating (梨地クロムめっき) |
| | Aluminum alloy (アルミ合金) [Shell size 28・32] [シェルサイズ 28・32] | |
| Insulator (絶縁体) | Synthetic resin (合成樹脂) | |
| Contact (コンタクト) | Copper alloy (銅合金) | Silver plating (銀めっき) |

- Cable termination : Soldering
- Operating temperature range : -40°C to +100°C
- Protection degree : IP 4X

- 結線方式 : はんだ付け
- 使用温度範囲 : -40°C ~ +100°C
- 保護等級 : IP 4X

| Plug | PF | S Type | *Number of contacts | A | | B | | | | | | |
|--|----------------|--------|---------------------|----------------|--------|---------------------|------|------|----|----|----|----|
| | | | | | | | | | | | | |
|  | | | | NET-24*-PF | 3, 4 | 30 | 54 | | | | | |
| | | | | NET-28*-PF | 4, 8 | 34 | 57.2 | | | | | |
| | | | | NET-32*-PF | 3, 4 | 44 | 83 | | | | | |
| | | | | PM | G Type | *Number of contacts | A | B | | | | |
| NET-24*-PM | 3, 4 | 30 | 54 | | | | | | | | | |
| NET-28*-PM | 4, 8 | 34 | 57.2 | | | | | | | | | |
| NET-32*-PM | 3, 4 | 44 | 83 | | | | | | | | | |
| Receptacle | RM | S Type | *Number of contacts | A | | B | | D | | E | | |
| | | | | | | | | | | | | |
| | | | | NET-24*-RM | 3, 4 | 24 | 31.6 | 26 | 32 | | | |
| | NET-28*-RM | 4, 8 | 28 | 31.6 | 29 | 35 | | | | | | |
| | NET-32*-RM | 3, 4 | 32 | 38.2 | 36 | 45 | | | | | | |
| | RF | G Type | *Number of contacts | A | B | D | E | | | | | |
| NET-24*-RF | | | | | | | | 3, 4 | 24 | 32 | 26 | 32 |
| NET-28*-RF | | | | | | | | 4, 8 | 28 | 32 | 29 | 35 |
| NET-32*-RF | 3, 4 | 32 | 38.8 | 36 | 45 | | | | | | | |
| Adapter (Jack) | AdM | S Type | *Number of contacts | A | | B | | | | | | |
| | | | | | | | | | | | | |
| | | | | NET-24*-AdM | 3, 4 | 29 | 54 | | | | | |
| | NET-28*-AdM | 4, 8 | 34 | 57 | | | | | | | | |
| | NET-32*-AdM | 3, 4 | 44 | 85.5 | | | | | | | | |
| | AdF | G Type | *Number of contacts | A | B | | | | | | | |
| NET-24*-AdF | | | | | | 3, 4 | 29 | 54 | | | | |
| NET-28*-AdF | | | | | | 4, 8 | 34 | 57 | | | | |
| NET-32*-AdF | 3, 4 | 44 | 85.5 | | | | | | | | | |
| Adapter with flange (Panel Jack) | Ad(F)M | S Type | *Number of contacts | B | | D | | E | | | | |
| | | | | | | | | | | | | |
| | | | | NET-24*-Ad(F)M | 3, 4 | 54.3 | 26 | 32 | | | | |
| | NET-28*-Ad(F)M | 4, 8 | 57 | 29 | 35 | | | | | | | |
| | NET-32*-Ad(F)M | 3, 4 | 83.5 | 36 | 45 | | | | | | | |
| | Ad(F)F | G Type | *Number of contacts | B | D | E | | | | | | |
| NET-24*-Ad(F)F | | | | | | | 3, 4 | 54.3 | 26 | 32 | | |
| NET-28*-Ad(F)F | | | | | | | 4, 8 | 57 | 29 | 35 | | |
| NET-32*-Ad(F)F | 3, 4 | 83.5 | 36 | 45 | | | | | | | | |

(About the cap)

NJC Series : Select the product matching the same shell size from the accessory list.

Further TÜV certified products haven't been prepared. If you need UL certified products, write <UL・CSA> after the standard model.

For plugs : PCa For receptacles : RCa For adapters : AdCa

Example : NET-243-PF Cap → NJC-24-PCa

<UL・CSA> product → NJC-24-PCa <UL・CSA>

(キャップについて)

NJCシリーズ アクセサリー欄より同シェルサイズの製品をご選定下さい。尚、TÜV認定品は用意しておりません。認定品が必要な場合は、標準品型式の後に<UL・CSA品>と明記して下さい。

プラグ用:PCa レセプタクル用:RCa アダプタ用:AdCa

例 : NET-243-PF用キャップ → NJC-24-PCa

<UL・CSA品>の場合 → NJC-24-PCa <UL・CSA品>

Order Cording (形名構成)

NET-24 3-P M

- Symbol representing the outer diameter of the cable used [NEW] (使用ケーブル外径を表す記号)
- Contact shape (コンタクト形状)
M: male F: female (M:オスコンタクト F:メスコンタクト)
- Shell shape (シェル形状)
[P: Plug R: Receptacle Ad: Adapter (Jack) Ad(F): Adapter with flange (Panel Jack)]
(P:プラグ R:レセプタクル Ad:アダプタ Ad(F):フランジ付アダプタ)
- Number of contacts (コンタクト数) [3・4・8]
- Shell size (シェルサイズ) [24・28]
- Series designation (シリーズ名称) [NET・NEW]

NEW ● Material and Finish

● 材質及び処理

| | Material (材質) | Finish (処理) |
|-----------------|-------------------------|-----------------------|
| Shell (シェル) | Synthetic resin (合成樹脂) | — |
| Insulator (絶縁体) | Synthetic resin (合成樹脂) | — |
| Contact (コンタクト) | Copper alloy (銅合金) | Silver plating (銀めっき) |
| Packing (パッキン) | Synthetic rubber (合成ゴム) | — |

- Coupling : Quick Lock
- Insertion : Attach the guide to push straight.
- Extraction : The coupling nut counter clockwise 45° as soon as by the arrow and extract.
- Cable termination : Soldering
- Operating temperature range : -25°C to +85°C
- Protection degree : IP 67
- 結合方式 : クイックロック式
- 挿入 : ガイドを合わせ、まっすぐに押し込む
- 抜去 : カップリングナットを45°左回転させ、引き抜く
- 結線方式 : はんだ付け
- 使用温度範囲 : -25°C ~ +85°C
- 保護等級 : IP 67

| <p>Plug</p> | <p>PF</p> <table border="1"> <thead> <tr> <th>S Type</th> <th>*Number of contacts</th> <th>A</th> <th></th> <th>B</th> </tr> </thead> <tbody> <tr> <td>NEW-24*-PF□</td> <td>3, 4</td> <td>34.1</td> <td>noted</td> <td>75</td> </tr> <tr> <td>NEW-28*-PF□</td> <td>4, 8</td> <td>40.7</td> <td>elsewhere</td> <td>82</td> </tr> </tbody> </table> | S Type | *Number of contacts | A | | B | NEW-24*-PF□ | 3, 4 | 34.1 | noted | 75 | NEW-28*-PF□ | 4, 8 | 40.7 | elsewhere | 82 | | | |
|---|---|---------------------|---------------------|----|----|--------------|--------------|------------|-------|-------|--------------|--------------|------------|------------|-----------|------|------|----|----|
| | S Type | *Number of contacts | A | | B | | | | | | | | | | | | | | |
| NEW-24*-PF□ | 3, 4 | 34.1 | noted | 75 | | | | | | | | | | | | | | | |
| NEW-28*-PF□ | 4, 8 | 40.7 | elsewhere | 82 | | | | | | | | | | | | | | | |
| <p>PM</p> <table border="1"> <thead> <tr> <th>G Type</th> <th>*Number of contacts</th> <th>A</th> <th></th> <th>B</th> </tr> </thead> <tbody> <tr> <td>NEW-24*-PM□</td> <td>3, 4</td> <td>34.1</td> <td>noted</td> <td>75</td> </tr> <tr> <td>NEW-28*-PM□</td> <td>4, 8</td> <td>40.7</td> <td>elsewhere</td> <td>82</td> </tr> </tbody> </table> | G Type | *Number of contacts | A | | B | NEW-24*-PM□ | 3, 4 | 34.1 | noted | 75 | NEW-28*-PM□ | 4, 8 | 40.7 | elsewhere | 82 | | | | |
| G Type | *Number of contacts | A | | B | | | | | | | | | | | | | | | |
| NEW-24*-PM□ | 3, 4 | 34.1 | noted | 75 | | | | | | | | | | | | | | | |
| NEW-28*-PM□ | 4, 8 | 40.7 | elsewhere | 82 | | | | | | | | | | | | | | | |
| <p>Receptacle</p> | <p>RM</p> <table border="1"> <thead> <tr> <th>S Type</th> <th>*Number of contacts</th> <th>A</th> <th>B</th> <th>D</th> <th>E</th> </tr> </thead> <tbody> <tr> <td>NEW-24*-RM</td> <td>3, 4</td> <td>24</td> <td>33.9</td> <td>26</td> <td>33</td> </tr> <tr> <td>NEW-28*-RM</td> <td>4, 8</td> <td>28</td> <td>33.9</td> <td>29</td> <td>36</td> </tr> </tbody> </table> | S Type | *Number of contacts | A | B | D | E | NEW-24*-RM | 3, 4 | 24 | 33.9 | 26 | 33 | NEW-28*-RM | 4, 8 | 28 | 33.9 | 29 | 36 |
| | S Type | *Number of contacts | A | B | D | E | | | | | | | | | | | | | |
| NEW-24*-RM | 3, 4 | 24 | 33.9 | 26 | 33 | | | | | | | | | | | | | | |
| NEW-28*-RM | 4, 8 | 28 | 33.9 | 29 | 36 | | | | | | | | | | | | | | |
| <p>RF</p> <table border="1"> <thead> <tr> <th>G Type</th> <th>*Number of contacts</th> <th>A</th> <th>B</th> <th>D</th> <th>E</th> </tr> </thead> <tbody> <tr> <td>NEW-24*-RF</td> <td>3, 4</td> <td>24</td> <td>34.3</td> <td>26</td> <td>33</td> </tr> <tr> <td>NEW-28*-RF</td> <td>4, 8</td> <td>28</td> <td>34.3</td> <td>29</td> <td>36</td> </tr> </tbody> </table> | G Type | *Number of contacts | A | B | D | E | NEW-24*-RF | 3, 4 | 24 | 34.3 | 26 | 33 | NEW-28*-RF | 4, 8 | 28 | 34.3 | 29 | 36 | |
| G Type | *Number of contacts | A | B | D | E | | | | | | | | | | | | | | |
| NEW-24*-RF | 3, 4 | 24 | 34.3 | 26 | 33 | | | | | | | | | | | | | | |
| NEW-28*-RF | 4, 8 | 28 | 34.3 | 29 | 36 | | | | | | | | | | | | | | |
| <p>Adapter (Jack)</p> | <p>AdM</p> <table border="1"> <thead> <tr> <th>S Type</th> <th>*Number of contacts</th> <th>A</th> <th></th> <th>B</th> </tr> </thead> <tbody> <tr> <td>NEW-24*-AdM□</td> <td>3, 4</td> <td>32.2</td> <td>noted</td> <td>77</td> </tr> <tr> <td>NEW-28*-AdM□</td> <td>4, 8</td> <td>37.1</td> <td>elsewhere</td> <td>83</td> </tr> </tbody> </table> | S Type | *Number of contacts | A | | B | NEW-24*-AdM□ | 3, 4 | 32.2 | noted | 77 | NEW-28*-AdM□ | 4, 8 | 37.1 | elsewhere | 83 | | | |
| | S Type | *Number of contacts | A | | B | | | | | | | | | | | | | | |
| NEW-24*-AdM□ | 3, 4 | 32.2 | noted | 77 | | | | | | | | | | | | | | | |
| NEW-28*-AdM□ | 4, 8 | 37.1 | elsewhere | 83 | | | | | | | | | | | | | | | |
| <p>AdF</p> <table border="1"> <thead> <tr> <th>G Type</th> <th>*Number of contacts</th> <th>A</th> <th></th> <th>B</th> </tr> </thead> <tbody> <tr> <td>NEW-24*-AdF□</td> <td>3, 4</td> <td>32.2</td> <td>noted</td> <td>77</td> </tr> <tr> <td>NEW-28*-AdF□</td> <td>4, 8</td> <td>37.1</td> <td>elsewhere</td> <td>83</td> </tr> </tbody> </table> | G Type | *Number of contacts | A | | B | NEW-24*-AdF□ | 3, 4 | 32.2 | noted | 77 | NEW-28*-AdF□ | 4, 8 | 37.1 | elsewhere | 83 | | | | |
| G Type | *Number of contacts | A | | B | | | | | | | | | | | | | | | |
| NEW-24*-AdF□ | 3, 4 | 32.2 | noted | 77 | | | | | | | | | | | | | | | |
| NEW-28*-AdF□ | 4, 8 | 37.1 | elsewhere | 83 | | | | | | | | | | | | | | | |

(About the cap)
 NRW Series: Select the product matching the same shell size from the accessory list.
 For plugs: PCa・1 For receptacles: RCa・1 For adapters: AdCa・1
 Example : NEW-243-RM Cap→NRW-24-RCa・1

(キャップについて)
 NRWシリーズ アクセサリー欄より同シェルサイズの製品をご選定下さい。
 プラグ用:PCa・1 レセプタクル用:RCa・1 アダプタ用:AdCa・1
 例: NEW-243-RM用キャップ→NRW-24-RCa・1

※RCa AdCa : Protection degree IP 54

※RCa AdCa : 保護等級IP 54

□ Symbol representing the outer diameter of the cable used. (使用ケーブル外径を表す記号)

| Shell size | Symbol □ | Outer diameter of cable used | Shell size | Symbol □ | Outer diameter of cable used |
|------------|----------|------------------------------|------------|----------|------------------------------|
| 24 | ★ 8 | φ 6.8~φ 8.0 | 28 | 10 | φ 9.0~φ10.9 |
| | 11 | φ 9.5~φ11.0 | | 12 | φ11.0~φ12.4 |
| | 13 | φ11.1~φ13.0 | | 14 | φ12.5~φ14.0 |
| | 15 | φ13.1~φ15.0 | | 16 | φ14.1~φ16.0 |
| | | | | 18 | φ16.1~φ18.0 |

★ TÜV is not acquired
 (TÜV認定は取得していません)

Classify by number of contacts

number of contacts 1・2

(コンタクト数別)

Look at this illustration from pin insert side (ピンインサート結合面から見た図)

| number of contacts コンタクト数 | shell size シェルサイズ | series シリーズ | water proof 防水性 | contact arrangement コンタクト配列 | rating 定格 | withstand voltage 耐電圧 (KV) | insulation resistance 絶縁抵抗 (more than MΩ) | contact resistance 接触抵抗 (less than mΩ) | A.W.G (mm ²) | outer diameter of cable used 使用ケーブル外径 (mm) | | |
|------------------------------|----------------------|----------------|--------------------|--------------------------------|--------------|-------------------------------|--|---|--------------------------|---|------------|------------|
| 1 | 14 (S Type) | NCS | — | | 5A | 1 | 2,000 | 3 | #18 | φ 5.5~ 7.0 | | |
| | | NWPC | ○ | | 125V | | | | | (0.75) | φ 5.0~ 8.0 | |
| | 16 (S Type) | NCS | — | | 10A | 1 | 2,000 | 3 | #16 | φ 6.5~ 8.0 | | |
| | | NWPC | ○ | | 125V | | | | | (1.25) | φ 4.5~10.0 | |
| | 60 | R | ○ | | 500A 600V | 2.5 | 3,000 | ※1 | — (100~250) | φ25.0~39.0 | | |
| | 2 | 14 (S Type) | NCS | — | | 5A | 1 | 2,000 | 3 | #18 | φ 5.5~ 7.0 | |
| NWPC | | | ○ | 125V | | (0.75) | | | | | φ 5.0~ 8.0 | |
| 16 (S Type) | | NCS | — | | 5A | 1 | 2,000 | 3 | #18 | φ 6.5~ 8.0 | | |
| | | NWPC | ○ | | 125V | | | | | (0.75) | φ 4.5~10.0 | |
| 16 (G Type) | | NCS | — | | 5A | 1 | 2,000 | 3 | #18 | φ 6.5~ 8.0 | | |
| | | NWPC | ○ | | 125V | | | | | (0.75) | φ 4.5~10.0 | |
| 20 | | | NJC | — | | 15A | 1.5 | 2,000 | 3 | #14 | φ10.0~12.5 | |
| | | | NR | — | | 250V | | | | | (2) | φ 5.5~ 6.3 |
| | | | NJW | ○ | | | | | | | | φ 7.0~12.5 |
| | | | NRW | ○ | | | | | | | | |
| 24 | | | NJC | — | | 20A | 1.5 | 5,000 | 3 | #12 | φ11.5~14.0 | |
| | | | NR | — | | 250V | | | | | (3.5) | φ12.6~16.5 |
| | | | NJW | ○ | | | | 2,000 | | | | |
| | | | NRW | ○ | | | | | | | φ 9.5~15.0 | |
| 25 | | | NCS | — | | 10A | 2 | 2,000 | 3 | #14 | φ 9.5~11.5 | |
| | | | NWPC | ○ | | 250V | | | | | (2) | φ 6.5~14.0 |
| 30 (S Type) | | | NCS | — | | 15A | 2 | 2,000 | 3 | #12 | φ11.0~13.0 | |
| | | | NWPC | ○ | | 250V | | | | | (3.5) | φ 8.0~18.0 |
| 30 (G Type) | | | NCS | — | | 15A | 2 | 2,000 | 3 | #14 | φ11.0~13.0 | |
| | | | NWPC | ○ | | 250V | | | | | (2) | φ 8.0~18.0 |
| 40 (S Type) | | NCS | — | | 30A | 2.5 | 2,000 | 3 | #10 | φ15.0~17.0 | | |
| | | NWPC | ○ | | 250V | | | | | (5.5) | φ11.0~24.0 | |
| 44 (G Type) | | NCS | — | | | 250V | | | | | | φ15.0~19.0 |
| | | NWPC | ○ | | φ11.0~24.0 | | | | | | | |
| 50 (S Type) | | NCS | — | | 80A | 3 | 5,000 | 1 | #2 | φ19.0~23.0 | | |
| | | NWPC | ○ | | 500V | | | | | (30) | φ15.0~28.0 | |
| 54 (G Type) | | NCS | — | | | 500V | | | | | | φ19.0~26.0 |
| | | NWPC | ○ | | φ15.0~28.0 | | | | | | | |
| 60 (S Type) | | NCS | — | | 150A | 3 | 5,000 | 1 | #0 | φ29.0~33.0 | | |
| | | NWPC | ○ | | 500V | | | | | (50) | φ21.0~38.0 | |
| 64 (G Type) | | NCS | — | | | 500V | | | | | | φ31.0~36.0 |
| | | NWPC | ○ | | φ21.0~38.0 | | | | | | | |

※1: voltage drop of contact less than 20mV [for electricity of rating] (コンタクト電圧降下20mV以下[定格電流にて])

Look at this illustration from pin insert side (ピンインサート結合面から見た図)

| number of contacts コンタクト数 | shell size シェルサイズ | series シリーズ | water proof 防水性 | contact arrangement コンタクト配列 | rating 定格 | withstand voltage 耐電圧 (KV) | insulation resistance 絶縁抵抗 (more than MΩ) | contact resistance 接触抵抗 (less than mΩ) | A.W.G (mm ²) | outer diameter of cable used 使用ケーブル外径 (mm) | |
|------------------------------|----------------------|----------------|--------------------|--------------------------------|--------------|-------------------------------|--|---|-----------------------------|---|--------------------------|
| 3 | 16 | NJC | — | | 10A | 1.5 | 2,000 | 3 | #16 (1.25) | φ 7.0~ 8.5 | |
| | | NJW | ○ | | 125V | | | | | φ 4.0~ 4.8 φ 5.7~ 6.8 φ 8.0~11.0 | |
| | | NCS | — | | 5A | 1 | 2,000 | 3 | #18 (0.75) | φ 6.5~ 8.0 | |
| | | NWPC | ○ | | 125V | | | | | φ 4.5~10.0 | |
| | 20 | NJC | — | | 15A | 1.5 | 2,000 | 3 | #14 (2) | φ10.0~12.5 | |
| | | | NR | — | | | | | | 250V | φ 5.5~ 6.3 φ 7.0~12.5 |
| | | | NJW | ○ | | | | | | | |
| | | | NRW | ○ | | | | | | | |
| | 24 | NJC | — | | 20A | 1.5 | 5,000 | 3 | #12 (3.5) | φ11.5~14.0 φ12.6~16.5 | |
| | | | NR | — | | | | | | 250V | φ 6.8~ 8.0 φ 9.5~15.0 |
| | | | NJW | ○ | | | | | | | |
| | | | NRW | ○ | | | | | | | |
| | | NET (S Type) | — | | 20A | 1.5 | 2,000 | 3 | #12 (3.5) | φ11.5~14.0 | |
| | | | NEW | ○ | | | | | | 250V | φ 6.8~ 8.0 φ 9.5~15.0 |
| | 25 | NCS | — | | 10A | 2 | 2,000 | 3 | #14 (2) | φ 9.5~11.5 | |
| | | | NWPC | ○ | | | | | | 250V | φ 6.5~14.0 |
| | 30 | NCS | — | | 15A | 2 | 2,000 | 3 | #14 (2) | φ11.0~13.0 | |
| | | | NWPC | ○ | | | | | | 250V | φ 8.0~18.0 |
| | 32 | NJC | — | | 30A | 2 | 2,000 | 3 | #10 (5.5or6) | φ15.0~19.5 | |
| | | | NJW | ○ | | | | | | 250V | φ11.5~20.0 |
| | | NET | — | | 30A | 2 | 2,000 | 3 | #10 (5.5or6) | φ15.0~19.5 | |
| | 40 (S Type) | NCS | — | | 30A | 2.5 | 2,000 | 3 | #10 (5.5) | φ15.0~17.0 | |
| | | | NWPC | ○ | | | | | | 250V | φ11.0~24.0 |
| | 44 (G Type) | NCS | — | | 250V | | | | | φ15.0~19.0 | |
| | | | NWPC | ○ | | | | | | φ11.0~24.0 | |
| | 50 (S Type) | NCS | — | | 80A | 3 | 5,000 | 1 | #2 (30) | φ19.0~23.0 | |
| | | | NWPC | ○ | | | | | | 500V | φ15.0~28.0 |
| | 54 (G Type) | NCS | — | | 500V | | | | | φ19.0~26.0 | |
| | | | NWPC | ○ | | | | | | φ15.0~28.0 | |
| | 60 (S Type) | NCS | — | | 150A | 3 | 5,000 | 1 | #0 (50) | φ29.0~33.0 | |
| NWPC | | | ○ | | 500V | | | | | φ21.0~38.0 | |
| 64 (G Type) | NCS | — | | 500V | | | | | φ31.0~36.0 | | |
| | | NWPC | ○ | | | | | | φ21.0~38.0 | | |
| 90 | NMI | ○ | | 200A 600V | 2.5 | 5,000 | ※1 | #1~2/0 (38~60) | φ37.0~48.0 | | |
| | | ○ | | | | | | | | | |
| 120 | NMI | ○ | | 300A 600V | 2.5 | 5,000 | ※1 | — (60~150) | φ45.0~71.0 | | |
| | | ○ | | | | | | | | | |

※1: voltage drop of contact less than 20mV [for electricity of rating] (コンタクト電圧降下20mV以下[定格電流にて])

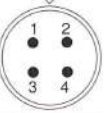
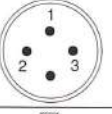
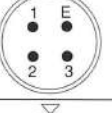
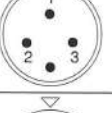
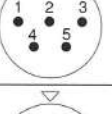
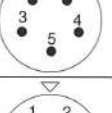
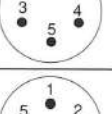
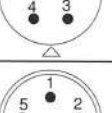
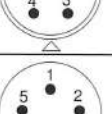
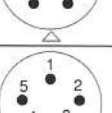
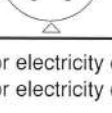

Look at this illustration from pin insert side (ピンインサート結合面から見た図)

| number of contacts コンタクト数 | shell size シェルサイズ | series シリーズ | water proof 防水性 | contact arrangement コンタクト配列 | rating 定格 | withstand voltage 耐電圧 (KV) | insulation resistance 絶縁抵抗 (more than MΩ) | contact resistance 接触抵抗 (less than mΩ) | A.W.G (mm ²) | outer diameter of cable used 使用ケーブル外径 (mm) | | | |
|------------------------------|----------------------|----------------|--------------------|--------------------------------|--------------|-------------------------------|--|---|--------------------------|---|--------------------------|------------|--------------------------|
| 4 | 16 (S Type) | NCS | — | | 5A | 1 | 2,000 | 3 | #18 | φ 6.5~ 8.0 | | | |
| | | NWPC | ○ | | 125V | | | | (0.75) | φ 4.5~10.0 | | | |
| | 20 | NJC | NR | — | | 10A | 1.5 | 2,000 | 3 | #16 | φ10.0~12.5 | | |
| | | | NJW | ○ | | 250V | | | | (1.25) | φ 5.5~ 6.3 φ 7.0~12.5 | | |
| | | | NRW | ○ | | | | | | | | | |
| | | | | | | | | | | | | | |
| | 24 | NJC | NR | — | | 15A | 1.5 | 5,000 | 3 | #14 | φ11.5~14.0 φ12.6~16.5 | | |
| | | | NJW | ○ | | 250V | | 2,000 | | (2) | φ 6.8~ 8.0 φ 9.5~15.0 | | |
| | | | NRW | ○ | | | | | | | | | |
| | | NET (S Type) | — | | | 15A | | 1.5 | 2,000 | 3 | #14 | φ11.5~14.0 | |
| | | | NEW | | | ○ | | | | | 250V | (2) | φ 6.8~ 8.0 φ 9.5~15.0 |
| | | | | | | | | | | | | | |
| | 25 | NCS | — | | 10A | 2 | 2,000 | 3 | #14 | φ 9.5~11.5 | | | |
| | | | NWPC | | ○ | | | | 250V | (2) | φ 6.5~14.0 | | |
| | 28 | NET | — | | 20A | 1.5 | 2,000 | 3 | #12 | φ13.6~16.5 | | | |
| | | | NEW | | ○ | | | | 250V | (3.5) | φ 9.0~18.0 | | |
| | 30 | NCS | — | | 15A | 2 | 2,000 | 3 | #14 | φ11.0~13.0 | | | |
| | | | NWPC | | ○ | | | | 250V | (2) | φ 8.0~18.0 | | |
| | 32 | NJC | — | | 30A | 2 | 2,000 | 3 | #10 | φ15.0~19.5 | | | |
| | | | NJW | | ○ | | | | 250V | (5.5or6) | φ11.5~20.0 | | |
| NET | | ○ | 30A 250V | | 2 | | | | 2,000 | 3 | #10 (5.5or6) | φ15.0~19.5 | |
| 40 (S Type) | NCS | — | | 30A | 2.5 | 2,000 | 3 | #10 | φ15.0~17.0 | | | | |
| | | NWPC | | ○ | | | | 250V | (5.5) | φ11.0~24.0 | | | |
| 44 (G Type) | NCS | — | | 250V | 2.5 | 2,000 | 3 | (5.5) | φ15.0~19.0 | | | | |
| | | NWPC | | ○ | | | | | | | | φ11.0~24.0 | |
| 50 | NT | ○ | | 30A 600V | 3 | 5,000 | 3 | #8 (8) | φ 8.0~24.0 | | | | |
| 50 (S Type) | NCS | — | | 50A | 2.5 | 2,000 | 3 | #5 | φ19.0~23.0 | | | | |
| | | NWPC | | ○ | | | | 250V | (14) | φ15.0~28.0 | | | |
| 54 (G Type) | NCS | — | | 250V | 2.5 | 2,000 | 3 | (14) | φ19.0~26.0 | | | | |
| | | NWPC | | ○ | | | | | | | | φ15.0~28.0 | |
| 60 (S Type) | NCS | — | | 80A | 3 | 5,000 | 1 | #2 | φ29.0~33.0 | | | | |
| | | NWPC | | ○ | | | | 500V | (30) | φ21.0~38.0 | | | |
| 64 (G Type) | NCS | — | | 500V | 3 | 5,000 | 1 | (30) | φ31.0~36.0 | | | | |
| | | NWPC | | ○ | | | | | | | | φ21.0~38.0 | |
| 75 | R | ○ | | 200A 600V | 2.5 | 5,000 | ※2 | #1~4/0 (38~100) | φ38.0~60.0 | | | | |
| | | | | | | | | | | ※4 | | | |

※2: voltage drop of contact less than 15mV [for electricity of rating] (コンタクト電圧降下15mV以下[定格電流にて])

※4: Movable Cable : 50 to 80mm², AWG# 0 to 3/0 (移動用ケーブル: 50~80mm², AWG# 0~3/0)

Look at this illustration from pin insert side (ピンインサート結合面から見た図)

| number of contacts コンタクト数 | shell size シェルサイズ | series シリーズ | water proof 防水性 | contact arrangement コンタクト配列 | rating 定格 | withstand voltage 耐電圧 (KV) | insulation resistance 絶縁抵抗 (more than MΩ) | contact resistance 接触抵抗 (less than mΩ) | A.W.G (mm ²) | outer diameter of cable used 使用ケーブル外径 (mm) |
|------------------------------|----------------------|----------------|---|---|---------------|-------------------------------|--|---|--|---|
| 4 | 90 | NMI | ○ |  | 200A 600V | 2.5 | 5,000 | ※1 | #2~2/0 (30~60) | φ37.0~48.0 |
| | | NHVC | ○ |  | 80A 3.3KV | 16 | — | ※2 | #6~4 (11~22) | φ37.0~48.0 |
| | 120 | NHVC | ○ |  | 200A 3.3KV | 20 | — | ※1 | #4~3/0 (22~80) | φ45.0~71.0 |
| | 200 | NHVC | ○ |  | 350A 6.6KV | 35 | — | ※1 | — (22~150) | φ51.0~93.0 |
| 5 | 16 | NJC | — |  | 5A | 1 | 1,000 | 5 | #20 | φ 7.0~ 8.5 |
| | | NJW | ○ | | 125V | | | | (0.5) | φ 4.0~ 4.8 φ 5.7~ 6.8 φ 8.0~11.0 |
| | 20 | NJC | — |  | 10A | 1.5 | 2,000 | 3 | #16 | φ10.0~12.5 |
| | | NR | — | | 250V | | | | (1.25) | φ 5.5~ 6.3 φ 7.0~12.5 |
| | | NJW | ○ | | | | | | | |
| | | NRW | ○ | | | | | | | |
| | 24 | NJC | — |  | 15A | 1.5 | 5,000 | 3 | #14 | φ11.5~14.0 |
| | | NR | — | | 2,000 | | | | (2) | φ 6.8~ 8.0 φ 9.5~15.0 |
| | | NJW | ○ | | | | | | | |
| | | NRW | ○ | | | | | | | |
| | 25 (S Type) | NCS | — |  | 10A | 1.8 | 2,000 | 3 | #14 | φ 9.5~11.5 |
| | | NWPC | ○ | | 250V | | | | (2) | φ 6.5~14.0 |
| | 25 (G Type) | NCS | — |  | 10A | 1.8 | 2,000 | 3 | #16 | φ 9.5~11.5 |
| | | NWPC | ○ | | 250V | | | | (1.25) | φ 6.5~14.0 |
| 30 | NCS | — |  | 15A | 1.8 | 2,000 | 3 | #14 | φ11.0~13.0 | |
| | NWPC | ○ | | 250V | | | | (2) | φ 8.0~18.0 | |
| 40 (S Type) | NCS | — |  | 20A | 2 | 2,000 | 3 | #10 | φ15.0~17.0 | |
| | NWPC | ○ | | 250V | | | | (5.5) | φ11.0~24.0 φ15.0~19.0 φ11.0~24.0 | |
| 44 (G Type) | NCS | — |  | | 250V | 2 | 2,000 | | | 3 |
| | NWPC | ○ | | | | | | | | |

※1: voltage drop of contact less than 20mV [for electricity of rating] (コンタクト電圧降下20mV以下[定格電流にて])
 ※2: voltage drop of contact less than 15mV [for electricity of rating] (コンタクト電圧降下15mV以下[定格電流にて])

number of contacts 6-7

Look at this illustration from pin insert side (ピンインサート結合面から見た図)

| number of contacts コンタクト数 | shell size シェルサイズ | series シリーズ | water proof 防水性 | contact arrangement コンタクト配列 | rating 定格 | withstand voltage 耐電圧 (KV) | insulation resistance 絶縁抵抗 (more than MΩ) | contact resistance 接触抵抗 (less than mΩ) | A.W.G (mm ²) | outer diameter of cable used 使用ケーブル外径 (mm) |
|------------------------------|----------------------|----------------|--------------------|--------------------------------|--------------|-------------------------------|--|---|--------------------------|---|
| 6 | 25 (S Type) | NCS | — | | 10A | 1.8 | 2,000 | 3 | #14 | φ 9.5~11.5 |
| | | NWPC | ○ | | 250V | | | | (2) | φ 6.5~14.0 |
| | 25 (G Type) | NCS | — | | 5A | 1.8 | 2,000 | 3 | #16 | φ 9.5~11.5 |
| | | NWPC | ○ | | 250V | | | | (1.25) | φ 6.5~14.0 |
| | 30 (S Type) | NCS | — | | 15A | 1.8 | 2,000 | 3 | #14 | φ11.0~13.0 |
| | | NWPC | ○ | | 250V | | | | (2) | φ 8.0~18.0 |
| | 30 (G Type) | NCS | — | | 10A | 1.8 | 2,000 | 3 | #14 | φ11.0~13.0 |
| | | NWPC | ○ | | 250V | | | | (2) | φ 8.0~18.0 |
| | 40 (S Type) | NCS | — | | 20A | 2 | 2,000 | 3 | #10 | φ15.0~17.0 |
| | | NWPC | ○ | | 250V | | | | | φ11.0~24.0 |
| | 44 (G Type) | NCS | — | | 250V | 2 | 2,000 | 3 | (5.5) | φ15.0~19.0 |
| | | NWPC | ○ | | | | | | | φ11.0~24.0 |
| 7 | 20 | NJC | — | | 10A | 1 | 2,000 | 3 | #16 | φ10.0~12.5 |
| | | NR | — | | 250V | | | | (1.25) | φ 5.5~ 6.3 |
| | | NJW | ○ | | | | | | | φ 7.0~12.5 |
| | | NRW | ○ | | | | | | | |
| | 25 (S Type) | NCS | — | | 10A | 1.8 | 2,000 | 3 | #14 | φ 9.5~11.5 |
| | | NWPC | ○ | | 250V | | | | (2) | φ 6.5~14.0 |
| | 25 (G Type) | NCS | — | | 5A | 1.8 | 2,000 | 3 | #16 | φ 9.5~11.5 |
| | | NWPC | ○ | | 250V | | | | (1.25) | φ 6.5~14.0 |
| | 30 (7H) | NCS | — | | 7A | 1.5 | 2,000 | 3 | #16 | φ11.0~13.0 |
| | | NWPC | ○ | | 250V | | | | (1.25) | φ 8.0~18.0 |
| | 30 (S Type) | NCS | — | | 15A | 1.8 | 2,000 | 3 | #14 | φ11.0~13.0 |
| | | NWPC | ○ | | 250V | | | | (2) | φ 8.0~18.0 |

Look at this illustration from pin insert side (ピンインサート結合面から見た図)

| number of contacts コンタクト数 | shell size シェルサイズ | series シリーズ | water proof 防水性 | contact arrangement コンタクト配列 | rating 定格 | withstand voltage 耐電圧 (KV) | insulation resistance 絶縁抵抗 (more than MΩ) | contact resistance 接触抵抗 (less than mΩ) | A.W.G (mm ²) | outer diameter of cable used 使用ケーブル外径 (mm) |
|------------------------------|----------------------|----------------|--------------------|--------------------------------|--------------|-------------------------------|--|---|--------------------------|---|
| 8 | 16 | NJC | — | | 3A ※3 | 0.5 | 1,000 | 5 | #22 (0.3) | φ 7.0~ 8.5 |
| | | NJW | ○ | | | | | | | φ 4.0~ 4.8 φ 5.7~ 6.8 φ 8.0~11.0 |
| | 25 (S Type) | NCS | — | | 5A | 1.8 | 2,000 | 3 | #16 (1.25) | φ 9.5~11.5 |
| | | NWPC | ○ | | 250V | | | | | φ 6.5~14.0 |
| | 28 | NET | — | | 15A | 1.5 | 2,000 | 3 | #14 (2) | φ13.6~16.5 |
| | | NEW | ○ | | 250V | | | | | φ 9.0~18.0 |
| | 30 (S Type) | NCS | — | | 10A | 1.8 | 2,000 | 3 | #14 (2) | φ11.0~13.0 |
| | | NWPC | ○ | | 250V | | | | | φ 8.0~18.0 |
| | 30 (G Type) | NCS | — | | 5A | 1.8 | 2,000 | 3 | #16 (1.25) | φ11.0~13.0 |
| | | NWPC | ○ | | 250V | | | | | φ 8.0~18.0 |
| | 40 (S Type) | NCS | — | | 20A | 2 | 2,000 | 3 | #10 (5.5) | φ15.0~17.0 |
| | 44 (G Type) | NWPC | ○ | | | | | | | φ11.0~24.0 |
| | | NCS | — | | 250V | φ15.0~19.0 | | | | |
| | NWPC | ○ | | | φ11.0~24.0 | | | | | |
| 50 (S Type) | NCS | — | | 25A | 2 | 2,000 | 3 | #12 (3.5) | φ19.0~23.0 | |
| 54 (G Type) | NWPC | ○ | | | | | | | φ15.0~28.0 | |
| | NCS | — | | 250V | φ19.0~26.0 | | | | | |
| NWPC | ○ | | | φ15.0~28.0 | | | | | | |
| 10 | 20 | NJC | — | | 5A | 1 | 1,000 | 5 | #20 (0.5) | φ10.0~12.5 |
| | | NR | — | | | | | | | φ 5.5~ 6.3 |
| | | NJW | ○ | | 250V | | | | | φ 7.0~12.5 |
| | | NRW | ○ | | | | | | | |
| | 24 | NJC | — | | 10A | 1 | 2,000 | 3 | #16 (1.25) | φ11.5~14.0 |
| | | NR | — | | | | | | | φ12.6~16.5 |
| | | NJW | ○ | | 250V | | | | | φ 6.8~ 8.0 |
| | | NRW | ○ | | | | | | | φ 9.5~15.0 |
| | 40 (S Type) | NCS | — | | 3-10A | 1.8 | 2,000 | 3 | 3-#14 7-#16 (3-2) | φ15.0~17.0 |
| | | NWPC | ○ | | 7-5A | | | | | φ11.0~24.0 |
| | 44 (G Type) | NCS | — | | 250V | | | | | φ15.0~19.0 |
| | | NWPC | ○ | | | | | | | φ11.0~24.0 |
| | 50 | NT | ○ | | 15A 600V | 3 | 5,000 | 3 | #12 (3.5) | φ 8.0~24.0 |
| | | 50 (S Type) | NCS | — | | 20A | 2 | 2,000 | 3 | #12 (3.5) |
| NWPC | ○ | | | 250V | φ15.0~28.0 | | | | | |
| 54 (G Type) | NCS | — | | 250V | | | | | φ19.0~26.0 | |
| | NWPC | ○ | | | | | | | φ15.0~28.0 | |
| 60 (S Type) | NCS | — | | 30A | 2.5 | 2,000 | 3 | #8 (8) | φ29.0~33.0 | |
| | NWPC | ○ | | 250V | | | | | φ21.0~38.0 | |
| 60 (G Type) | NCS | — | | 30A | 2 | 2,000 | 3 | #8 (8) | φ31.0~36.0 | |
| | NWPC | ○ | | 250V | | | | | φ21.0~38.0 | |

※3 : permit of electricity (許容電流)

Look at this illustration from pin insert side (ピンインサート結合面から見た図)

| number of contacts コンタクト数 | shell size シェルサイズ | series シリーズ | water proof 防水性 | contact arrangement コンタクト配列 | rating 定格 | withstand voltage 耐電圧 (KV) | insulation resistance 絶縁抵抗 (more than MΩ) | contact resistance 接触抵抗 (less than mΩ) | A.W.G (mm ²) | outer diameter of cable used 使用ケーブル外径 (mm) | | |
|------------------------------|----------------------|----------------|--------------------|--------------------------------|--------------|-------------------------------|--|---|---------------------------------------|---|------------|------------|
| 12 | 20 | NJC | — | | 5A | 1 | 1,000 | 5 | #20 (0.5) | φ10.0~12.5 | | |
| | | NR | — | | 250V | | | | | φ 5.5~ 6.3 | | |
| | | NJW | ○ | | | | | | | φ 7.0~12.5 | | |
| | | NRW | ○ | | | | | | | | | |
| | 40 (S Type) | 44 (G Type) | NCS | — | | 3-10A | 1.8 | 2,000 | 3 | 3-#14 9-#16 (3-2) (9-1.25) | φ15.0~17.0 | |
| | | | NWPC | ○ | | 9-5A | | | | | φ11.0~24.0 | |
| | | | NCS | — | | 250V | | | | | φ15.0~19.0 | |
| | | | NWPC | ○ | | | | | | | φ11.0~24.0 | |
| 50 | NT | ○ | | 5A | 2.5 | 5,000 | 3 | #14 (2) | φ 8.0~24.0 | | | |
| | | | | 400V | | | | | | | | |
| 13 | 30 (S Type) | NCS | — | | 5A | 1.5 | 2,000 | 3 | #16 (1.25) | φ11.0~13.0 | | |
| | | NWPC | ○ | | 250V | | | | | φ 8.0~18.0 | | |
| 14 | 20 | NJC | — | | 3A | 0.5 | 1,000 | 5 | #22 (0.3) | φ10.0~12.5 | | |
| | | NR | — | | ※3 | | | | | φ 5.5~ 6.3 | | |
| | | NJW | ○ | | | | | | | φ 7.0~12.5 | | |
| | | NRW | ○ | | | | | | | | | |
| | 24 | NT | ○ | | 5A | 1 | 1,000 | 5 | #20 (0.5) | φ11.5~14.0 | | |
| | | | | | NR | | | | | — | 250V | φ12.6~16.5 |
| | | | | | NJW | | | | | ○ | | φ 6.8~ 8.0 |
| | | | | | NRW | | | | | ○ | | φ 9.5~15.0 |
| 15 | 50 | NT | ○ | | 5A | 2.5 | 5,000 | 3 | #14 (2) | φ 8.0~24.0 | | |
| | | | | | 400V | | | | | | | |
| | 50 (S Type) | NCS | — | | 15A | 2 | 2,000 | 3 | #12 (3.5) | φ19.0~23.0 | | |
| | | | | | NWPC | | | | | ○ | 250V | φ15.0~28.0 |
| | 54 (G Type) | NCS | — | | 15A | 2.5 | 2,000 | 3 | #12 (3.5) | φ19.0~26.0 | | |
| | | | | | NWPC | | | | | ○ | 250V | φ15.0~28.0 |
| | 60 (S Type) | NCS | — | | 15A | 2 | 2,000 | 3 | #12 (3.5) | φ29.0~33.0 | | |
| | | | | | NWPC | | | | | ○ | 250V | φ21.0~38.0 |
| 60 (G Type) | NCS | — | | 15A | 2 | 2,000 | 3 | #12 (3.5) | φ29.0~33.0 | | | |
| | | | | NWPC | | | | | ○ | 250V | φ21.0~38.0 | |
| 16 | 24 | NJC | — | | 5A | 1 | 1,000 | 5 | #20 (0.5) | φ11.5~14.0 | | |
| | | NR | — | | 250V | | | | | φ12.6~16.5 | | |
| | | NJW | ○ | | | | | | | φ 6.8~ 8.0 | | |
| | | NRW | ○ | | | | | | | φ 9.5~15.0 | | |
| | 28 | NT | ○ | | 10A | 1 | 2,000 | 3 | #16 (1.25) | φ13.6~16.5 | | |
| | | | | | NJW | | | | | ○ | 250V | φ 9.0~18.0 |
| | | | | | NRW | | | | | ○ | | |
| | 40 (S Type) | NCS | — | | 3-10A | 1.8 | 2,000 | 3 | 3-#14 13-#16 (3-2) (13-1.25) | φ15.0~17.0 | | |
| | | | | | NWPC | | | | | ○ | 13-5A | φ11.0~24.0 |
| | 44 (G Type) | NCS | — | | 250V | | | | | φ15.0~19.0 | | |
| NWPC | | | | | ○ | | | | | | φ11.0~24.0 | |

※3 : permit of electricity (許容電流)

Look at this illustration from pin insert side (ピンインサート結合面から見た図)

| number of contacts コンタクト数 | shell size シェルサイズ | series シリーズ | water proof 防水性 | contact arrangement コンタクト配列 | rating 定格 | withstand voltage 耐電圧 (KV) | insulation resistance 絶縁抵抗 (more than MΩ) | contact resistance 接触抵抗 (less than mΩ) | A.W.G (mm ²) | outer diameter of cable used 使用ケーブル外径 (mm) | | | | |
|------------------------------|----------------------|----------------|--------------------|--------------------------------|--------------|-------------------------------|--|---|---|---|------------|---|--------------------------------------|------------|
| 20 | 40 (S Type) | NCS | — | | 5A | 1.8 | 2,000 | 3 | #16 | φ15.0~17.0 | | | | |
| | | NWPC | ○ | | | | | | | φ11.0~24.0 | | | | |
| | 44 (G Type) | NCS | — | | 250V | | | | | (1.25) | φ15.0~19.0 | | | |
| | | NWPC | ○ | | | | | | | | φ11.0~24.0 | | | |
| 21 | 24 | NJC | — | | 3-6A | 0.5 | 1,000 | 5 | 3-#18 18-#22 (3-0.75) (18-0.3) | | φ11.5~14.0 | | | |
| | | NR | — | | | | | | | | φ12.6~16.5 | | | |
| | | NJW | ○ | | ※3 | | | | | φ 6.8~ 8.0 | | | | |
| | | NRW | ○ | | | | | | | φ 9.5~15.0 | | | | |
| 24 | 24 | NJC | — | | 3A | 0.5 | 1,000 | 5 | #22 | φ11.5~14.0 | | | | |
| | | NR | — | | | | | | | φ12.6~16.5 | | | | |
| | | NJW | ○ | | ※3 | | | | | φ 6.8~ 8.0 | | | | |
| | | NRW | ○ | | | | | | | φ 9.5~15.0 | | | | |
| | 28 | NJC | — | | 5A | | | | 1 | 1,000 | 5 | #20 | φ13.6~16.5 | |
| | | NJW | ○ | | | | | | | | | | (0.5) | φ 9.0~18.0 |
| | | NRW | ○ | | | | | | | | | | | |
| 25 | 50 (S Type) | NCS | — | | 4-15A | 1.8 | 2,000 | 3 | 4-#12 21-#14 (4-3.5) (21-2) | φ19.0~23.0 | | | | |
| | | NWPC | ○ | | | | | | | φ15.0~28.0 | | | | |
| | 54 (G Type) | NCS | — | | 250V | | | | | (21-2) | φ19.0~26.0 | | | |
| | | NWPS | ○ | | | | | | | | φ15.0~28.0 | | | |
| 30 | 60 (S Type) | NCS | — | | 5A | 1.8 | 2,000 | 3 | #14 | | φ29.0~33.0 | | | |
| | | NWPC | ○ | | | | | | | | (2) | φ21.0~38.0 | | |
| | 60 (G Type) | NCS | — | | 5A | | | | 1.5 | 2,000 | 3 | #14 | φ29.0~33.0 | |
| | | NWPC | ○ | | | | | | | | | | (2) | φ21.0~38.0 |
| 31 | 28 | NJC | — | | 3-6A | 0.5 | 1,000 | 5 | | | | 3-#18 28-#22 (3-0.75) (28-0.3) | φ13.6~16.5 | |
| | | NJW | ○ | | | | | | | | | | φ 9.0~18.0 | |
| | | NRW | ○ | | ※3 | | | | | | | | | |
| 32 | 60 (S Type) | NCS | — | | 3-15A | 1.8 | 2,000 | 3 | 3-#12 29-#14 (3-3.5) (29-2) | φ29.0~33.0 | | | | |
| | | NWPC | ○ | | | | | | | φ21.0~38.0 | | | | |
| | 60 (G Type) | NCS | — | | 3-15A | | | | | 1.5 | 2,000 | 3 | 3-#12 29-#14 (3-3.5) (29-2) | φ29.0~33.0 |
| | | NWPC | ○ | | | | | | | | | | | φ21.0~38.0 |
| 37 | 28 | NJC | — | | 3A | 0.5 | 1,000 | 5 | #22 | | | | | φ13.6~16.5 |
| | | NJW | ○ | | | | | | | | | | | ※3 |
| | | NRW | ○ | | (0.3) | | | | | | | | | |
| 40 | 60 (S Type) | NCS | — | | 5A | 1.8 | 2,000 | 3 | #14 | φ29.0~33.0 | | | | |
| | | NWPC | ○ | | | | | | | (2) | φ21.0~38.0 | | | |

※3 : permit of electricity (許容電流)

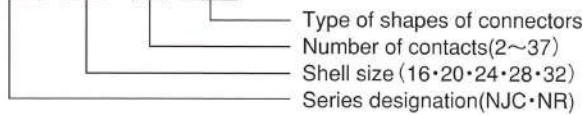
NJC and NR Series Connectors

Feature

1. The 5-key system guide makes for smooth combination.
2. A one-touch lock mechanism is used in the combination system.[NR]
3. This product has received standards certification.

Order Cording (形名構成)

NJC-20 7-PM



In case UL・CSA & TÜV certified product is specified
 Example: NJC-202-PM (UL・CSA)
 Example: NJC-202-PM (TÜV)

特長

1. 5本キー方式のガイドにより結合がスムーズ
2. 結合方式にワンタッチロック機構を採用[NR]
3. 規格取得品あり(4ページ参照)

コネクタ形状
 コンタクト数
 シェルサイズ
 シリーズ名称

UL・CSA認定品とTÜV認定品ご指定の場合
 例：NJC-202-PM (UL・CSA品)
 例：NJC-202-PM (TÜV品)

NJC Please see page 19 for accessories(caps, L seat, etc)

アクセサリ(キャップ・L座等)は19ページを参照して下さい。

| Plug | PF | S Type | *Number of contacts | A | B | | |
|---------------------------------|--------|----------------|--------------------------------|------|------|----|----|
| | PM | NJC-16*-PF | 3, 5, 8 | 22 | 46 | | |
| | | NJC-20*-PF | 2, 3, 4, 5, 7, 10, 12, 14 | 26 | 50 | | |
| | | NJC-24*-PF | 2, 3, 4, 5, 10, 14, 16, 21, 24 | 30 | 54 | | |
| | | NJC-28*-PF | 16, 24, 31, 37 | 34 | 57.2 | | |
| | | NJC-32*-PF | 3, 4 | 44 | 83 | | |
| | RF | G Type | *Number of contacts | A | B | | |
| | | NJC-16*-PM | 3, 5, 8 | 22 | 46 | | |
| | | NJC-20*-PM | 2, 3, 4, 5, 7, 10, 12, 14 | 26 | 50 | | |
| | | NJC-24*-PM | 2, 3, 4, 5, 10, 14, 16, 21, 24 | 30 | 54 | | |
| | | NJC-28*-PM | 16, 24, 31, 37 | 34 | 57.2 | | |
| Receptacle | RM | S Type | *Number of contacts | A | B | D | E |
| | | NJC-16*-RM | 3, 5, 8 | 16 | 29.7 | 20 | 26 |
| | | NJC-20*-RM | 2, 3, 4, 5, 7, 10, 12, 14 | 20 | 29.7 | 23 | 29 |
| | | NJC-24*-RM | 2, 3, 4, 5, 10, 14, 16, 21, 24 | 24 | 30.7 | 26 | 32 |
| | | NJC-28*-RM | 16, 24, 31, 37 | 28 | 27.7 | 29 | 35 |
| | RF | G Type | *Number of contacts | A | B | D | E |
| | | NJC-16*-RF | 3, 5, 8 | 16 | 29.7 | 20 | 26 |
| | | NJC-20*-RF | 2, 3, 4, 5, 7, 10, 12, 14 | 20 | 29.7 | 23 | 29 |
| | | NJC-24*-RF | 2, 3, 4, 5, 10, 14, 16, 21, 24 | 24 | 31 | 26 | 32 |
| | | NJC-28*-RF | 16, 24, 31, 37 | 28 | 28 | 29 | 35 |
| Adapter(Jack) | AdM | S Type | *Number of contacts | A | B | | |
| | | NJC-16*-AdM | 3, 5, 8 | 22 | 46 | | |
| | | NJC-20*-AdM | 2, 3, 4, 5, 7, 10, 12, 14 | 26 | 50 | | |
| | | NJC-24*-AdM | 2, 3, 4, 5, 10, 14, 16, 21, 24 | 29 | 54 | | |
| | | NJC-28*-AdM | 16, 24, 31, 37 | 34 | 57 | | |
| | AdF | G Type | *Number of contacts | A | B | | |
| | | NJC-16*-AdF | 3, 5, 8 | 22 | 46 | | |
| | | NJC-20*-AdF | 2, 3, 4, 5, 7, 10, 12, 14 | 26 | 50 | | |
| | | NJC-24*-AdF | 2, 3, 4, 5, 10, 14, 16, 21, 24 | 29 | 54 | | |
| | | NJC-28*-AdF | 16, 24, 31, 37 | 34 | 57 | | |
| Adapter with flange(Panel Jack) | Ad(F)M | S Type | *Number of contacts | B | D | E | |
| | | NJC-16*-Ad(F)M | 3, 5, 8 | 46.2 | 20 | 26 | |
| | | NJC-20*-Ad(F)M | 2, 3, 4, 5, 7, 10, 12, 14 | 50 | 23 | 29 | |
| | | NJC-24*-Ad(F)M | 2, 3, 4, 5, 10, 14, 16, 21, 24 | 54.3 | 26 | 32 | |
| | | NJC-28*-Ad(F)M | 16, 24, 31, 37 | 56.7 | 29 | 35 | |
| | Ad(F)F | G Type | *Number of contacts | B | D | E | |
| | | NJC-16*-Ad(F)F | 3, 5, 8 | 46.2 | 20 | 26 | |
| | | NJC-20*-Ad(F)F | 2, 3, 4, 5, 7, 10, 12, 14 | 50 | 23 | 29 | |
| | | NJC-24*-Ad(F)F | 2, 3, 4, 5, 10, 14, 16, 21, 24 | 54.3 | 26 | 32 | |
| | | NJC-28*-Ad(F)F | 16, 24, 31, 37 | 56.7 | 29 | 35 | |
| NJC-32*-Ad(F)F | 3, 4 | 83.5 | 36 | 45 | | | |

●Material and Finish

●材質及び処理

| | Material (材質) | Finish (処理) |
|-----------------|---|---------------------------------|
| Shell (シェル) | Zinc alloy (亜鉛合金) | Crape chrome plating (梨地クロムめっき) |
| | Aluminum alloy (アルミ合金) [Shell size 28・32] | |
| Insulator (絶縁体) | Synthetic resin (合成樹脂) | — |
| Contact (コンタクト) | Copper alloy (銅合金) | Silver plating (銀めっき) |
| | | Gold plating (金めっき)※ |

●Cable termination : Soldering

●結線方式 : はんだ付け

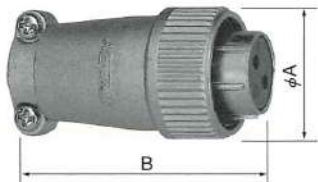
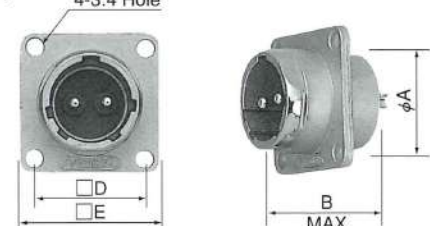
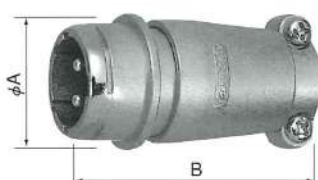

●Operating temperature range (使用温度範囲)

※Gold plating contact (金めっきコンタクト)

| Shell size シェルサイズ | Number of contacts コンタクト数 | Operating temperature range 使用温度範囲 |
|----------------------|------------------------------|---------------------------------------|
| 16 | 3, 5 | -25 ~ +85°C |
| | 8 | -25 ~ +60°C |
| 20 | 2, 3, 4, 5 | -40 ~ +100°C |
| | 7, 10, 12 | -25 ~ +85°C |
| | 14 | -25 ~ +60°C |
| 24 | 2, 3, 4, 5 | -40 ~ +100°C |
| | 10, 14, 16 | -25 ~ +85°C |
| | 21, 24 | -25 ~ +60°C |
| 28 | 16, 24 | -25 ~ +85°C |
| | 31, 37 | -25 ~ +60°C |
| 32 | 3, 4 | -40 ~ +100°C |

| Shell size シェルサイズ | Number of contacts コンタクト数 |
|----------------------|------------------------------|
| 16 | 8 |
| 20 | 14 |
| 24 | 21, 24 |
| 28 | 31, 37 |

NR Please see page 19 for accessories(caps, L seat, etc) アクセサリー(キャップ・L座等)は19ページを参照して下さい。

| Plug  | PF <table border="1"> <thead> <tr> <th>S Type</th> <th>*Number of contacts</th> <th>A</th> <th>B</th> </tr> </thead> <tbody> <tr> <td>NR-20*-PF</td> <td>2, 3, 4, 5, 7, 10, 12, 14</td> <td>26</td> <td>50</td> </tr> <tr> <td>NR-24*-PF</td> <td>2, 3, 4, 5, 10, 14, 16, 21, 24</td> <td>31</td> <td>55.5</td> </tr> </tbody> </table> | S Type | *Number of contacts | A | B | NR-20*-PF | 2, 3, 4, 5, 7, 10, 12, 14 | 26 | 50 | NR-24*-PF | 2, 3, 4, 5, 10, 14, 16, 21, 24 | 31 | 55.5 | | | | | | |
|---|---|---------------------|---------------------|----|------------|---------------------------|---------------------------|---------------------------|---------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------|------|----|----|
| | S Type | *Number of contacts | A | B | | | | | | | | | | | | | | | |
| NR-20*-PF | 2, 3, 4, 5, 7, 10, 12, 14 | 26 | 50 | | | | | | | | | | | | | | | | |
| NR-24*-PF | 2, 3, 4, 5, 10, 14, 16, 21, 24 | 31 | 55.5 | | | | | | | | | | | | | | | | |
| PM <table border="1"> <thead> <tr> <th>G Type</th> <th>*Number of contacts</th> <th>A</th> <th>B</th> </tr> </thead> <tbody> <tr> <td>NR-20*-PM</td> <td>2, 3, 4, 5, 7, 10, 12, 14</td> <td>26</td> <td>50</td> </tr> <tr> <td>NR-24*-PM</td> <td>2, 3, 4, 5, 10, 14, 16, 21, 24</td> <td>31</td> <td>55.5</td> </tr> </tbody> </table> | G Type | *Number of contacts | A | B | NR-20*-PM | 2, 3, 4, 5, 7, 10, 12, 14 | 26 | 50 | NR-24*-PM | 2, 3, 4, 5, 10, 14, 16, 21, 24 | 31 | 55.5 | | | | | | | |
| G Type | *Number of contacts | A | B | | | | | | | | | | | | | | | | |
| NR-20*-PM | 2, 3, 4, 5, 7, 10, 12, 14 | 26 | 50 | | | | | | | | | | | | | | | | |
| NR-24*-PM | 2, 3, 4, 5, 10, 14, 16, 21, 24 | 31 | 55.5 | | | | | | | | | | | | | | | | |
| Receptacle  | RM <table border="1"> <thead> <tr> <th>S Type</th> <th>*Number of contacts</th> <th>A</th> <th>B</th> <th>D</th> <th>E</th> </tr> </thead> <tbody> <tr> <td>NR-20*-RM</td> <td>2, 3, 4, 5, 7, 10, 12, 14</td> <td>20</td> <td>29.8</td> <td>23</td> <td>29</td> </tr> <tr> <td>NR-24*-RM</td> <td>2, 3, 4, 5, 10, 14, 16, 21, 24</td> <td>24</td> <td>31.5</td> <td>26</td> <td>32</td> </tr> </tbody> </table> | S Type | *Number of contacts | A | B | D | E | NR-20*-RM | 2, 3, 4, 5, 7, 10, 12, 14 | 20 | 29.8 | 23 | 29 | NR-24*-RM | 2, 3, 4, 5, 10, 14, 16, 21, 24 | 24 | 31.5 | 26 | 32 |
| | S Type | *Number of contacts | A | B | D | E | | | | | | | | | | | | | |
| NR-20*-RM | 2, 3, 4, 5, 7, 10, 12, 14 | 20 | 29.8 | 23 | 29 | | | | | | | | | | | | | | |
| NR-24*-RM | 2, 3, 4, 5, 10, 14, 16, 21, 24 | 24 | 31.5 | 26 | 32 | | | | | | | | | | | | | | |
| RF <table border="1"> <thead> <tr> <th>G Type</th> <th>*Number of contacts</th> <th>A</th> <th>B</th> <th>D</th> <th>E</th> </tr> </thead> <tbody> <tr> <td>NR-20*-RF</td> <td>2, 3, 4, 5, 7, 10, 12, 14</td> <td>20</td> <td>29.8</td> <td>23</td> <td>29</td> </tr> <tr> <td>NR-24*-RF</td> <td>2, 3, 4, 5, 10, 14, 16, 21, 24</td> <td>24</td> <td>31.7</td> <td>26</td> <td>32</td> </tr> </tbody> </table> | G Type | *Number of contacts | A | B | D | E | NR-20*-RF | 2, 3, 4, 5, 7, 10, 12, 14 | 20 | 29.8 | 23 | 29 | NR-24*-RF | 2, 3, 4, 5, 10, 14, 16, 21, 24 | 24 | 31.7 | 26 | 32 | |
| G Type | *Number of contacts | A | B | D | E | | | | | | | | | | | | | | |
| NR-20*-RF | 2, 3, 4, 5, 7, 10, 12, 14 | 20 | 29.8 | 23 | 29 | | | | | | | | | | | | | | |
| NR-24*-RF | 2, 3, 4, 5, 10, 14, 16, 21, 24 | 24 | 31.7 | 26 | 32 | | | | | | | | | | | | | | |
| Adapter(Jack)  | AdM <table border="1"> <thead> <tr> <th>S Type</th> <th>*Number of contacts</th> <th>A</th> <th>B</th> </tr> </thead> <tbody> <tr> <td>NR-20*-AdM</td> <td>2, 3, 4, 5, 7, 10, 12, 14</td> <td>25</td> <td>48.5</td> </tr> <tr> <td>NR-24*-AdM</td> <td>2, 3, 4, 5, 10, 14, 16, 21, 24</td> <td>32</td> <td>54.3</td> </tr> </tbody> </table> | S Type | *Number of contacts | A | B | NR-20*-AdM | 2, 3, 4, 5, 7, 10, 12, 14 | 25 | 48.5 | NR-24*-AdM | 2, 3, 4, 5, 10, 14, 16, 21, 24 | 32 | 54.3 | | | | | | |
| | S Type | *Number of contacts | A | B | | | | | | | | | | | | | | | |
| NR-20*-AdM | 2, 3, 4, 5, 7, 10, 12, 14 | 25 | 48.5 | | | | | | | | | | | | | | | | |
| NR-24*-AdM | 2, 3, 4, 5, 10, 14, 16, 21, 24 | 32 | 54.3 | | | | | | | | | | | | | | | | |
| AdF <table border="1"> <thead> <tr> <th>G Type</th> <th>*Number of contacts</th> <th>A</th> <th>B</th> </tr> </thead> <tbody> <tr> <td>NR-20*-AdF</td> <td>2, 3, 4, 5, 7, 10, 12, 14</td> <td>25</td> <td>48.5</td> </tr> <tr> <td>NR-24*-AdF</td> <td>2, 3, 4, 5, 10, 14, 16, 21, 24</td> <td>32</td> <td>54.3</td> </tr> </tbody> </table> | G Type | *Number of contacts | A | B | NR-20*-AdF | 2, 3, 4, 5, 7, 10, 12, 14 | 25 | 48.5 | NR-24*-AdF | 2, 3, 4, 5, 10, 14, 16, 21, 24 | 32 | 54.3 | | | | | | | |
| G Type | *Number of contacts | A | B | | | | | | | | | | | | | | | | |
| NR-20*-AdF | 2, 3, 4, 5, 7, 10, 12, 14 | 25 | 48.5 | | | | | | | | | | | | | | | | |
| NR-24*-AdF | 2, 3, 4, 5, 10, 14, 16, 21, 24 | 32 | 54.3 | | | | | | | | | | | | | | | | |
| Adapter with flange(Panel Jack)  | Ad(F)M <table border="1"> <thead> <tr> <th>S Type</th> <th>*Number of contacts</th> <th>B</th> <th>D</th> <th>E</th> </tr> </thead> <tbody> <tr> <td>NR-20*-Ad(F)M</td> <td>2, 3, 4, 5, 7, 10, 12, 14</td> <td>48.5</td> <td>23</td> <td>29</td> </tr> <tr> <td>NR-24*-Ad(F)M</td> <td>2, 3, 4, 5, 10, 14, 16, 21, 24</td> <td>54.3</td> <td>26</td> <td>32</td> </tr> </tbody> </table> | S Type | *Number of contacts | B | D | E | NR-20*-Ad(F)M | 2, 3, 4, 5, 7, 10, 12, 14 | 48.5 | 23 | 29 | NR-24*-Ad(F)M | 2, 3, 4, 5, 10, 14, 16, 21, 24 | 54.3 | 26 | 32 | | | |
| | S Type | *Number of contacts | B | D | E | | | | | | | | | | | | | | |
| NR-20*-Ad(F)M | 2, 3, 4, 5, 7, 10, 12, 14 | 48.5 | 23 | 29 | | | | | | | | | | | | | | | |
| NR-24*-Ad(F)M | 2, 3, 4, 5, 10, 14, 16, 21, 24 | 54.3 | 26 | 32 | | | | | | | | | | | | | | | |
| Ad(F)F <table border="1"> <thead> <tr> <th>G Type</th> <th>*Number of contacts</th> <th>B</th> <th>D</th> <th>E</th> </tr> </thead> <tbody> <tr> <td>NR-20*-Ad(F)F</td> <td>2, 3, 4, 5, 7, 10, 12, 14</td> <td>48.5</td> <td>23</td> <td>29</td> </tr> <tr> <td>NR-24*-Ad(F)F</td> <td>2, 3, 4, 5, 10, 14, 16, 21, 24</td> <td>54.3</td> <td>26</td> <td>32</td> </tr> </tbody> </table> | G Type | *Number of contacts | B | D | E | NR-20*-Ad(F)F | 2, 3, 4, 5, 7, 10, 12, 14 | 48.5 | 23 | 29 | NR-24*-Ad(F)F | 2, 3, 4, 5, 10, 14, 16, 21, 24 | 54.3 | 26 | 32 | | | | |
| G Type | *Number of contacts | B | D | E | | | | | | | | | | | | | | | |
| NR-20*-Ad(F)F | 2, 3, 4, 5, 7, 10, 12, 14 | 48.5 | 23 | 29 | | | | | | | | | | | | | | | |
| NR-24*-Ad(F)F | 2, 3, 4, 5, 10, 14, 16, 21, 24 | 54.3 | 26 | 32 | | | | | | | | | | | | | | | |

NJW and NRW Series Connectors

Feature

1. The 5-key system guide makes for smooth combination.
2. A one-touch lock mechanism is used in the combination system.[NRW]
3. This product has received standards certification.

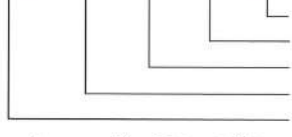
特長

1. 5本キー方式のガイドにより結合がスムーズ
2. 結合方式にワンタッチロック機構を採用[NRW]
3. 規格取得品あり(4ページ参照)

Order Cording (形名構成)

(Refer to page 4)

NJW-20 7-P M □



Symbol representing the outer diameter of the cable used
Type of shapes of connectors
Number of contacts(2~37)
Shell size (16・20・24・28・32)
Series designation(NJW・NRW)

使用ケーブル外径を表す記号
コネクタ形状
コンタクト数
シェルサイズ
シリーズ名称

In case UL・CSA & TÜV certified product is specified
(NJW) Example: NJW-202-PM8 (UL・CSA)
(NRW) Example: NRW-202-PM8 (UL・CSA TÜV)

UL・CSA 認定品とTÜV認定品ご指定の場合
例: NJW-202-PM8 (UL・CSA 品)
例: NRW-202-PM8 (UL・CSA TÜV)

NJW

Please see page 19 for accessories(caps, L seat, etc)

アクセサリ(キャップ・L座等)は19ページを参照して下さい。

| Plug | PF | S Type | | *Number of contacts | A | □ | | B | | | | | | | | |
|---------------------------------|--|---|-------------------------|-------------------------|---------------------|-----------------|-----------------|-----------------|-----|----|-----|------|----|----|----|------|
| | | □ | | | | □ | | | | | | | | | | |
| | NJW-16*-PF□ NJW-20*-PF□ NJW-24*-PF□ NJW-28*-PF□ NJW-32*-PF□ | 3, 5, 8 | | 22 | 22 | Noted elsewhere | | 58 | | | | | | | | |
| | | 2, 3, 4, 5, 7, 10,12,14 | | | | 26 | 26 | 60 | | | | | | | | |
| | | 2,3,4,5,10,14,16,21,24 | | | | | | 30 | 30 | 67 | | | | | | |
| | | 16, 24, 31, 37 | | | | | | | | 34 | 34 | 72 | | | | |
| | | 3, 4 | | | | | | 44 | 44 | | | 101 | | | | |
| | G Type <th colspan="2">*Number of contacts</th> <th rowspan="2">A</th> <th colspan="2">□</th> <th rowspan="2">B</th> | | *Number of contacts | | A | □ | | | | B | | | | | | |
| | □ | | □ | | | □ | | □ | | | | | | | | |
| | NJW-16*-PM□ NJW-20*-PM□ NJW-24*-PM□ NJW-28*-PM□ NJW-32*-PM□ | NJW-16*-PM□ NJW-20*-PM□ NJW-24*-PM□ NJW-28*-PM□ NJW-32*-PM□ | 3, 5, 8 | | 22 | 22 | Noted elsewhere | | 58 | | | | | | | |
| | | | 2, 3, 4, 5, 7, 10,12,14 | | | | 26 | 26 | 60 | | | | | | | |
| | | | 2,3,4,5,10,14,16,21,24 | | | | | | 30 | 30 | 67 | | | | | |
| 16, 24, 31, 37 | | | 34 | 34 | | | | | | | 72 | | | | | |
| 3, 4 | | | | | | | | | 44 | 44 | 101 | | | | | |
| Receptacle | | RM | S Type | | *Number of contacts | A | B | D | | | E | | | | | |
| | | | □ | | | | | | □ | | | □ | | □ | | |
| | | | | 3, 5, 8 | | 16 | 29.7 | 20 | 26 | 26 | | | | | | |
| | | | | 2, 3, 4, 5, 7, 10,12,14 | | | | | | | 20 | 29.6 | 23 | 29 | | |
| | | | | 2,3,4,5,10,14,16,21,24 | | | | | | | | | | | 24 | 30.5 |
| | 16, 24, 31, 37 | | | 28 | 28.5 | | | | | | | | | | | |
| | 3, 4 | | | | | | | | | | | | | | 32 | 39.1 |
| | Adapter(Jack) | AdM | S Type | | *Number of contacts | A | □ | | B | | | | | | | |
| | | | □ | | | | □ | | | □ | | □ | | | | |
| | | | | 3, 5, 8 | | 22 | 22 | Noted elsewhere | | 58 | | | | | | |
| 2, 3, 4, 5, 7, 10,12,14 | | | | 26 | 26 | | | 60 | | | | | | | | |
| 2,3,4,5,10,14,16,21,24 | | | | | | | | 29 | 29 | 67 | | | | | | |
| 16, 24, 31, 37 | | 34 | | | | | | | | 34 | 72 | | | | | |
| 3, 4 | | | | | | | | 44 | 44 | | 103 | | | | | |
| Adapter with flange(Panel Jack) | | Ad(F)M | S Type | | *Number of contacts | B | □ | | | D | E | | | | | |
| | | | □ | | | | □ | | □ | | | □ | | | | |
| | | | | 3, 5, 8 | | 58 | 62 | Noted elsewhere | | 20 | 26 | | | | | |
| | 2, 3, 4, 5, 7, 10,12,14 | | | 62 | 62 | | | 23 | 29 | | | | | | | |
| | 2,3,4,5,10,14,16,21,24 | | | | | | | 67 | 67 | 26 | 32 | | | | | |
| | 16, 24, 31, 37 | | | | | | | | | 72 | 72 | 29 | 35 | | | |
| | 3, 4 | | | | | | | 101 | 101 | | | 36 | 45 | | | |
| | Adapter(Jack) | AdF | G Type | | *Number of contacts | A | □ | | | B | | | | | | |
| | | | □ | | | | □ | | □ | | □ | | | | | |
| | | | | 3, 5, 8 | | 22 | 22 | Noted elsewhere | | 58 | | | | | | |
| 2, 3, 4, 5, 7, 10,12,14 | | | | 26 | 26 | | | 60 | | | | | | | | |
| 2,3,4,5,10,14,16,21,24 | | | | | | | | 29 | 29 | 67 | | | | | | |
| 16, 24, 31, 37 | | 34 | | | | | | | | 34 | 72 | | | | | |
| 3, 4 | | | | | | | | 44 | 44 | | 103 | | | | | |
| Adapter with flange(Panel Jack) | | Ad(F)F | G Type | | *Number of contacts | B | □ | | | D | E | | | | | |
| | | | □ | | | | □ | | □ | | | □ | | | | |
| | | | | 3, 5, 8 | | 58 | 62 | Noted elsewhere | | 20 | 26 | | | | | |
| | 2, 3, 4, 5, 7, 10,12,14 | | | 62 | 62 | | | 23 | 29 | | | | | | | |
| | 2,3,4,5,10,14,16,21,24 | | | | | | | 67 | 67 | 26 | 32 | | | | | |
| | 16, 24, 31, 37 | | | | | | | | | 72 | 72 | 29 | 35 | | | |
| | 3, 4 | | | | | | | 101 | 101 | | | 36 | 45 | | | |

●Material and Finish(NJW)

●材質及び処理

| | Material (材質) | Finish (処理) |
|-----------------|---|------------------------------------|
| Shell (シェル) | Zinc alloy (亜鉛合金) | Specially chemical finish (特殊化学処理) |
| | Aluminum alloy (アルミ合金) [Shell size 28・32] | |
| Insulator(絶縁体) | Synthetic resin (合成樹脂) | _____ |
| Contact (コンタクト) | Copper alloy (銅合金) | Silver plating (銀めっき) |
| | | Gold plating (金めっき)※ |
| Packing (パッキン) | Synthetic rubber (合成ゴム) | _____ |

●Material and Finish(NRW)

●材質及び処理

| | Material (材質) | Finish (処理) |
|-----------------|-------------------------|-----------------------|
| Shell (シェル) | Synthetic resin (合成樹脂) | _____ |
| Insulator(絶縁体) | Synthetic resin (合成樹脂) | _____ |
| Contact (コンタクト) | Copper alloy (銅合金) | Silver plating (銀めっき) |
| | | Gold plating (金めっき)※ |
| Packing (パッキン) | Synthetic rubber (合成ゴム) | _____ |

●Cable termination : Soldering

●結線方式 : はんだ付け

●Water resistance : Water pressure 40kPa 24hrs.

●防水性 : 水圧下 40kPa 24時間

□ Symbol representing the outer diameter of the cable used (使用ケーブル外径を表す記号)

| Shell size | Symbol □ | Outer diameter of cable | Shell size | Symbol □ | Outer diameter of cable |
|------------|----------|-------------------------|------------|----------|-------------------------|
| 16 | ★5 | φ 4.0~φ 4.8 | 28 | ★10 | φ 9.0~φ10.9 |
| | ★7 | φ 5.7~φ 6.8 | | ★12 | φ11.0~φ12.4 |
| | ★8 | φ 6.9~φ 7.9 | | 14 | φ12.5~φ14.0 |
| | 9 | φ 8.0~φ 9.4 | | 16 | φ14.1~φ16.0 |
| | 11 | φ 9.5~φ11.0 | | 18 | φ16.1~φ18.0 |
| 20 | ★6 | φ 5.5~φ 6.3 | 32 | ★16 | φ11.5~φ16.0 |
| | 8 | φ 7.0~φ 8.5 | | ★20 | φ15.5~φ20.0 |
| | 10 | φ 8.6~φ10.5 | | | |
| | 12 | φ10.6~φ12.5 | | | |
| 24 | ★8 | φ 6.8~φ 8.0 | | | |
| | 11 | φ 9.5~φ11.0 | | | |
| | 13 | φ11.1~φ13.0 | | | |
| | 15 | φ13.1~φ15.0 | | | |

★UL, CSA Standard is not acquired (UL, CSA規格を取得しておりません)

●Operating temperature range (使用温度範囲)

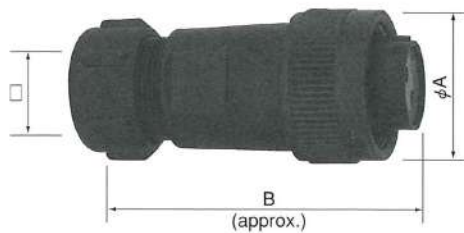
| Shell size | Number of contacts | Operating |
|------------|------------------------|------------|
| 16 | 3, 5 | -25~+ 85°C |
| | 8 | -25~+ 60°C |
| 20 | 2, 3, 4, 5, 7, 10, 12 | -25~+ 85°C |
| | 14 | -25~+ 60°C |
| 24 | 2, 3, 4, 5, 10, 14, 16 | -25~+ 85°C |
| | 21, 24 | -25~+ 60°C |
| 28 | 16, 24 | -25~+ 85°C |
| | 31, 37 | -25~+ 60°C |
| 32 | 3, 4 | -25~+ 85°C |

※Gold plating contact (金めっきコンタクト)

| Shell size | Number of contacts |
|------------|--------------------|
| 16 | 8 |
| 20 | 14 |
| 24 | 21, 24 |
| 28 | 31, 37 |

NRW Please see page 19 for accessories(caps, L seat, etc) アクセサリー(キャップ・L座等)は19ページを参照して下さい。

Plug



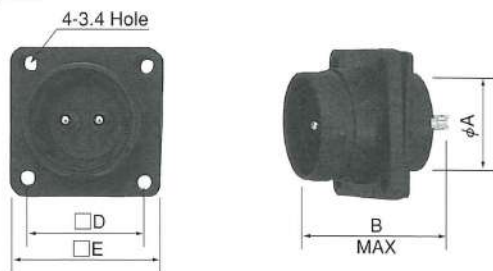
PF

| S Type | *Number of contacts | A | □ | B |
|-------------|------------------------|------|-----------------|----|
| NRW-20*-PF□ | 2, 3, 4, 5, 7,10,12,14 | 28.5 | Noted elsewhere | 60 |
| NRW-24*-PF□ | 2,3,4,5,10,14,16,21,24 | 34.1 | | 75 |
| NRW-28*-PF□ | 16, 24, 31, 37 | 40.7 | | 82 |

PM

| G Type | *Number of contacts | A | □ | B |
|-------------|------------------------|------|-----------------|----|
| NRW-20*-PM□ | 2, 3, 4, 5, 7,10,12,14 | 28.5 | Noted elsewhere | 60 |
| NRW-24*-PM□ | 2,3,4,5,10,14,16,21,24 | 34.1 | | 75 |
| NRW-28*-PM□ | 16, 24, 31, 37 | 40.7 | | 82 |

Receptacle



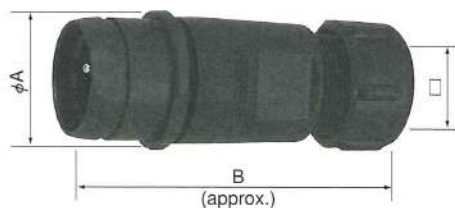
RM

| S Type | *Number of contacts | A | B | D | E |
|------------|------------------------|----|------|----|----|
| NRW-20*-RM | 2, 3, 4, 5, 7,10,12,14 | 20 | 32 | 23 | 30 |
| NRW-24*-RM | 2,3,4,5,10,14,16,21,24 | 24 | 33 | 26 | 33 |
| NRW-28*-RM | 16, 24, 31, 37 | 28 | 30.8 | 29 | 36 |

RF

| G Type | *Number of contacts | A | B | D | E |
|------------|------------------------|----|------|----|----|
| NRW-20*-RF | 2, 3, 4, 5, 7,10,12,14 | 20 | 32 | 23 | 30 |
| NRW-24*-RF | 2,3,4,5,10,14,16,21,24 | 24 | 33.2 | 26 | 33 |
| NRW-28*-RF | 16, 24, 31, 37 | 28 | 30.5 | 29 | 36 |

Adapter(Jack)



AdM

| S Type | *Number of contacts | A | □ | B |
|--------------|------------------------|------|-----------------|----|
| NRW-20*-AdM□ | 2, 3, 4, 5, 7,10,12,14 | 26 | Noted elsewhere | 60 |
| NRW-24*-AdM□ | 2,3,4,5,10,14,16,21,24 | 32.2 | | 77 |
| NRW-28*-AdM□ | 16, 24, 31, 37 | 37.1 | | 83 |

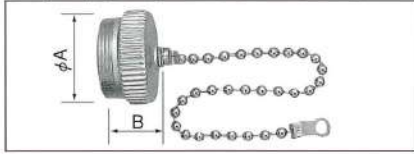
AdF

| G Type | *Number of contacts | A | □ | B |
|--------------|------------------------|------|-----------------|----|
| NRW-20*-AdF□ | 2, 3, 4, 5, 7,10,12,14 | 26 | Noted elsewhere | 60 |
| NRW-24*-AdF□ | 2,3,4,5,10,14,16,21,24 | 32.2 | | 77 |
| NRW-28*-AdF□ | 16, 24, 31, 37 | 37.1 | | 83 |

Accessories

NJC

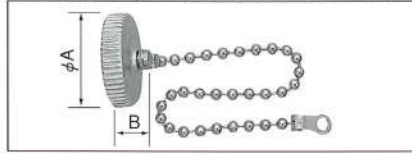
Plug cap(PCa)



| Shell size | A | B |
|------------|----|------|
| NJC-16 | 22 | 19 |
| NJC-20 | 25 | 19 |
| NJC-24 | 29 | 18.7 |
| NJC-28 | 33 | 19 |
| NJC-32 | 44 | 31 |

Receptacle cap(RCa)

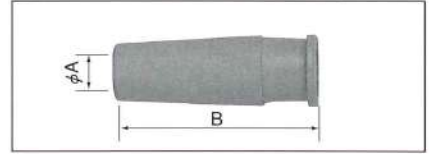
Also for adapter (アダプタ用もかねる)



| Shell size | A | B |
|------------|----|------|
| NJC-16 | 22 | 11.5 |
| NJC-20 | 25 | 11.5 |
| NJC-24 | 29 | 12 |
| NJC-28 | 33 | 12.5 |
| NJC-32 | 44 | 20 |

Cable bushing (CB) NJC・NR

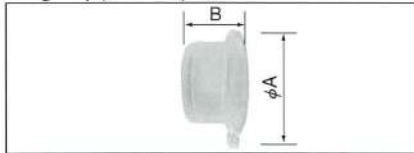
NJC-20-CB service also for NR-20
(NJC-20のCBはNR-20もかねる)



| Shell size | A | B | |
|------------|---------|--------------------|------|
| NJC-20 | 7.5~9.5 | 41 | |
| NJC-24 | 9.5~11 | 41.5 | |
| NR-24 | 9 | 8 ~10 10.1~12.5 | 41.5 |
| | 11 | | |

NR

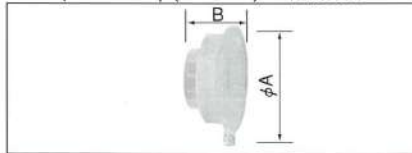
Plug cap(PCa・1) Synthetic resin (合成樹脂)



| Shell size | A | B |
|------------|----|------|
| NR-20 | 26 | 12.5 |

Receptacle cap(RCa・1)

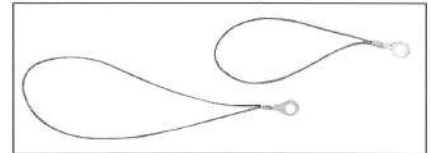
Synthetic resin (合成樹脂)



| Shell size | A | B |
|------------|------|------|
| NR-20 | 28.5 | 12.5 |

Rope (ロープ)

The rope for attaching the cap
(キャップ取付け用ロープ)

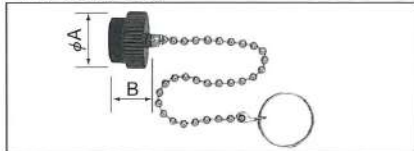


| | |
|-----|--------------------------------|
| L60 | RCa・1 (Receptacle Cap) 用 |
| L90 | PCa・1 (Plug Cap Adapter Cap) 用 |

※The rope for attaching the cap is sold separately. (※キャップ取付け用ロープは別売品です。)

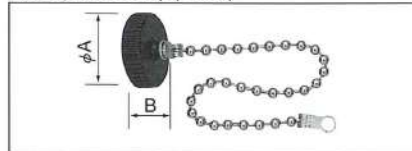
NJW

Plug cap(PCa)



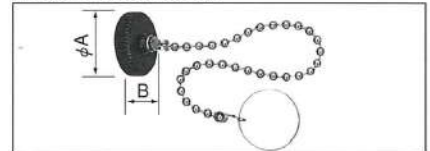
| Shell size | A | B |
|------------|----|------|
| NJW-16 | 22 | 19 |
| NJW-20 | 25 | 19 |
| NJW-24 | 29 | 18.7 |
| NJW-28 | 33 | 19 |
| NJW-32 | 44 | 31 |

Receptacle cap(RCa)



| Shell size | A | B |
|------------|----|------|
| NJW-16 | 22 | 11.5 |
| NJW-20 | 25 | 11.5 |
| NJW-24 | 29 | 12 |
| NJW-28 | 33 | 12.5 |
| NJW-32 | 44 | 20 |

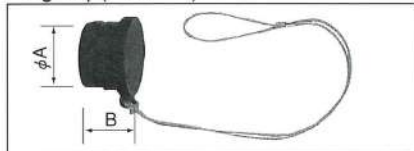
Adapter cap(AdCa)



| Shell size | A | B |
|------------|----|------|
| NJW-16 | 22 | 11.5 |
| NJW-20 | 25 | 11.5 |
| NJW-24 | 29 | 12 |
| NJW-28 | 33 | 12.5 |

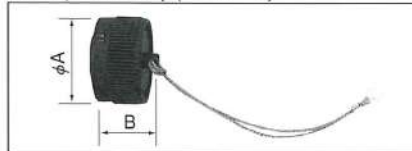
NRW

Plug cap(PCa・1)



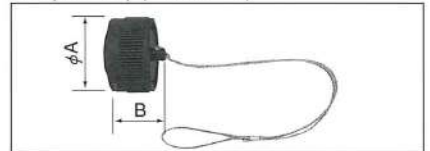
| Shell size | A | B |
|------------|----|------|
| NRW-20 | 26 | 16.5 |
| NRW-24 | 31 | 16.5 |
| NRW-28 | 40 | 17.6 |

Receptacle cap(RCa・1)



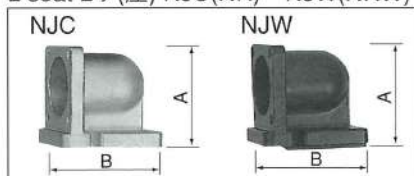
| Shell size | A | B |
|------------|------|------|
| NRW-20 | 28.5 | 22 |
| NRW-24 | 34.1 | 26.5 |

Adapter cap(AdCa・1)



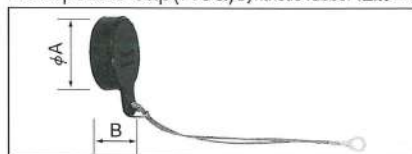
| Shell size | A | B |
|------------|------|------|
| NRW-20 | 28.5 | 22 |
| NRW-24 | 34.1 | 26.5 |

L seat L 座 (座) NJC(NR)・NJW(NRW)



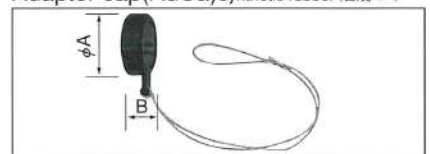
| Shell size | A | B |
|------------|------|------|
| 16 | 27.5 | 36.9 |
| 20 | 32.3 | 38.4 |
| 24 | 36 | 44.5 |
| 28 | 40 | 46.8 |

Receptacle cap(RCa) Synthetic rubber (合成ゴム)



| Shell size | A | B |
|------------|------|------|
| NRW-20 | 26 | 8.5 |
| NRW-24 | 31 | 8.5 |
| NRW-28 | 35.4 | 10.5 |

Adapter cap(AdCa) Synthetic rubber (合成ゴム)

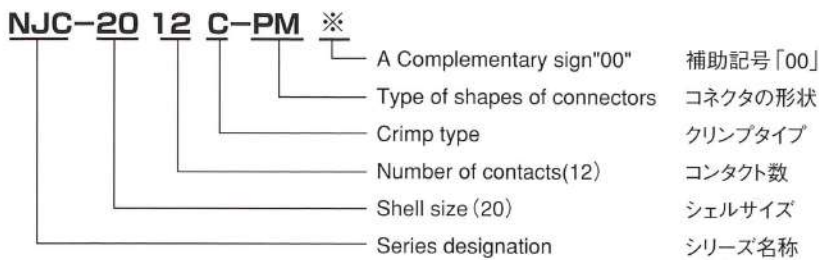


| Shell size | A | B |
|------------|------|------|
| NRW-20 | 26 | 9 |
| NRW-24 | 31 | 9 |
| NRW-28 | 35.4 | 10.5 |

※Except for NR・NRW-16 (※NR・NRW-16は除く)

Crimp type

Order Cording (形名構成)



※Contact (コンタクト)



CC0101-F
Female Contact
(メスコンタクト)



CC0101-M
Male Contact
(オスコンタクト)

The purchase only of contact: 1 lot increases with 12 of then.
注) コンタクトのみのご購入: 1ロットは12本

※The contact is sold separately with this type. Therefore, add supplementary symbol "00" if you desire one with a contact.
※このタイプは、コンタクトが別売りとなっておりますのでコンタクト付きを希望される場合は、補助記号「00」を追加してください。

●Electrical performance(電気的性能)

| | |
|------------------------------|-------------------|
| Rating (定格) | 5A 250V |
| Withstand voltage (耐電圧) | AC 1,000V |
| Contact resistance (接触抵抗) | 5mΩ or less (1分間) |
| Insulation resistance (絶縁抵抗) | 1,000MΩ or more |
| AWG | #20 or #22 |

●Material and Finish

| | Material (材質) | Finish (処理) |
|-----------------|------------------------|---------------------------------|
| Shell (シェル) | Zinc alloy (亜鉛合金) | Crape chrome plating (梨地クロムめっき) |
| Insulator(絶縁体) | Synthetic resin (合成樹脂) | |
| Contact (コンタクト) | Copper alloy (銅合金) | Gold plating (金めっき) |

●材質及び処理

●Working temperature range : -25°C to +85°C

●使用温度範囲 : -25°C~+85°C

Plug

S Type
NJC-2012C-PF
G Type
NJC-2012C-PM



Receptacle

S Type
NJC-2012C-RM
G Type
NJC-2012C-RF



Adapter(Jack)

S Type
NJC-2012C-AdM
G Type
NJC-2012C-AdF



Adapter with frange (Panel Jack)

S Type
NJC-2012C-Ad(F)M
G Type
NJC-2012C-Ad(F)F



Crimp tool unit for NJC-2012C (NJC-2012C用圧着工具)

M22520/1-01
Crimp tool body
(圧着工具本体)



CL01-#20
Locator
(ロケーター)



M22520/3-1
Gauge
(ゲージ)



CR-01
Removable tool
(引抜き工具)



NCS Series Connectors ■ Best selling Round Type Connectors

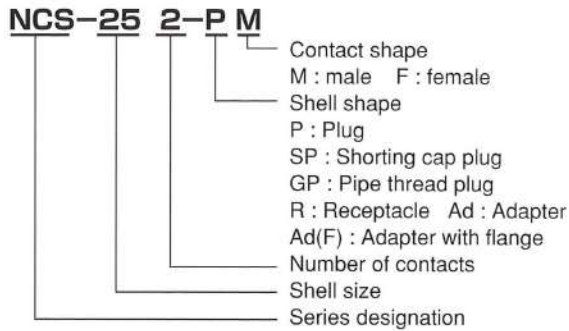
Feature

1. Basic type of round connectors usable for all kinds of circuits.
2. Solid and simple construction provides mechanical and electrical stability.
3. Thermosetting epoxy resins have been employed for insulators.
4. Seven kinds of shell size and various shell type are available for a variety of applications.

特長

1. メタルコネクタの基本形で様々な回路に使用
2. 堅牢で単純な構造のため機械的・電氣的に安定
3. 絶縁体は熱硬化性エポキシ樹脂を使用
4. 広い範囲の用途を対象に7種のシェルサイズと多数のシェルタイプを用意

Order Cording (形名構成)



● Material and Finish

● 材質及び処理

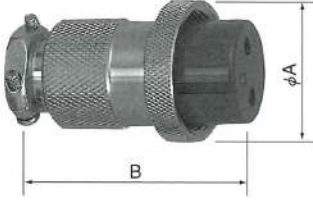
| | Material (材質) | Finish (処理) |
|-----------------|---|---|
| Shell (シェル) | Zinc alloy die casting or Brass (亜鉛ダイカスト又は黄銅) | Chrome plating (クロムめっき) |
| Insulator (絶縁体) | Epoxy resin (エポキシ樹脂) | — |
| Contact (コンタクト) | Copper alloy (銅合金) | Nickel, Silver or Gold plating (ニッケル、銀又は金めっき) |

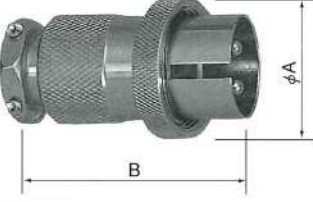
● Cable termination : Soldering


結線方式 : はんだ付け

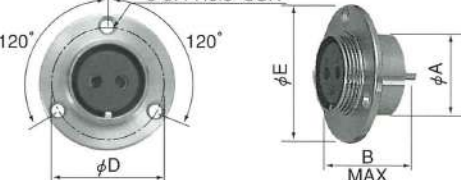
● Temperature tolerance level : -40°C to +120°C

使用許容温度範囲 : -40°C ~ +120°C

| Plug | S Type | *Number of contacts | A | B |
|------|---|----------------------------------|------|------|
| |  | NCS-14*-P | 1 | 17.5 |
| | NCS-14*-P | 2 | 17.5 | 42.5 |
| | NCS-16*-P | 1 | 21.5 | 43.5 |
| | NCS-16*-P | 2, 3, 4 | 21.5 | 44.5 |
| | NCS-25*-P | 2, 3, 4, 5, 6, 7, 8 | 28.5 | 50 |
| | NCS-30*-P | 2, 3, 4, 5, 6, 7, 7H, 8, 13 | 34 | 55 |
| | NCS-40*-P | 2, 3, 4, 5, 6, 8, 10, 12, 16, 20 | 46 | 69 |
| | NCS-50*-P | 2, 3 | 57 | 100 |
| | NCS-50*-P | 4, 8, 10, 15, 25 | 57 | 90 |
| | NCS-60*-P | 2, 3, 4 | 67 | 115 |
| | NCS-60*-P | 10, 15, 30, 32, 40 | 67 | 105 |

| Plug | G Type | *Number of contacts | A | B |
|------|---|----------------------------------|------|------|
| |  | NCS-16*-PM | 2, 3 | 21.5 |
| | NCS-25*-PM | 2, 3, 4, 5, 6, 7 | 28.5 | 50.5 |
| | NCS-30*-PM | 2, 3, 4, 5, 6, 8 | 34 | 57 |
| | NCS-44*-PM | 2, 3, 4, 5, 6, 8, 10, 12, 16, 20 | 52 | 70 |
| | NCS-54*-PM | 2, 3 | 65 | 112 |
| | NCS-54*-PM | 4, 8, 10, 15, 25 | 65 | 102 |
| | NCS-64*-PM | 2, 3, 4 | 78 | 116 |
| | NCS-60*-PM | 10, 15, 30, 32 | 67 | 107 |

| Receptacle | S Type | *Number of contacts | A | B | D | E |
|------------|---|----------------------------------|----|------|------|----|
| |  | NCS-14*-R | 1 | 14 | 27.5 | 23 |
| | NCS-14*-R | 2 | 14 | 24 | 23 | 31 |
| | NCS-16*-R | 1 | 16 | 27.5 | 24 | 32 |
| | NCS-16*-R | 2, 3, 4 | 16 | 23 | 24 | 32 |
| | NCS-25*-R | 2, 3, 4, 5, 6, 7, 8 | 25 | 26 | 34 | 42 |
| | NCS-30*-R | 2, 3, 4, 5, 6, 7, 7H, 8, 13 | 30 | 29 | 38 | 46 |
| | NCS-40*-R | 2, 3, 4, 5, 6, 8, 10, 12, 16, 20 | 40 | 35.5 | 50 | 58 |
| | NCS-50*-R | 4, 8, 10, 15, 25 | 50 | 45 | 60 | 68 |

| Receptacle | G Type | *Number of contacts | A | B | D | E |
|------------|---|----------------------------------|------|----|------|----|
| |  | NCS-16*-RF | 2, 3 | 16 | 23.5 | 24 |
| | NCS-25*-RF | 2, 3, 4, 5, 6, 7 | 25 | 27 | 34 | 42 |
| | NCS-30*-RF | 2, 3, 4, 5, 6, 8 | 30 | 30 | 38 | 46 |
| | NCS-44*-RF | 2, 3, 4, 5, 6, 8, 10, 12, 16, 20 | 44 | 41 | 56 | 64 |

| Receptacle(Square flange) | | S Type | *Number of contacts | A | B | D | E | V |
|---------------------------|---------------------------|---------------------|---------------------|------|----|----|-----|---|
| | NCS-25*-R(カク) (Square) | 2, 3, 4, 5, 6, 7, 8 | 25 | 26 | 24 | 31 | 3.5 | |
| | NCS-50*-R | 2, 3 | 50 | 54.3 | 48 | 60 | 5.5 | |
| | NCS-50*-R(カク) (Square) | 4, 8, 10, 15, 25 | 50 | 45 | 48 | 60 | | |
| | NCS-60*-R | 2, 3, 4 | 60 | 56.3 | 56 | 70 | | |
| | NCS-60*-R | 10, 15, 30, 32, 40 | 60 | 43 | 56 | 70 | | |

| Receptacle(Square flange) | | G Type | *Number of contacts | A | B | D | E | V |
|---------------------------|----------------------------|------------------|---------------------|------|----|----|-----|---|
| | NCS-25*-RF(カク) (Square) | 2, 3, 4, 5, 6, 7 | 25 | 27 | 24 | 31 | 3.5 | |
| | NCS-54*-RF | 2, 3 | 54 | 54 | 52 | 66 | 5.5 | |
| | NCS-54*-RF | 4, 8, 10, 15, 25 | 54 | 46.7 | 52 | 66 | | |
| | NCS-64*-RF | 2, 3, 4 | 64 | 56 | 62 | 76 | | |
| | NCS-60*-RF | 10, 15, 30, 32 | 60 | 48.5 | 56 | 70 | | |

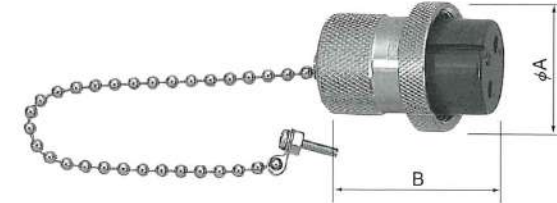
| Adapter(Jack) | | S Type | *Number of contacts | A | B |
|---------------|--------------------|----------------------------------|---------------------|------|---|
| | NCS-14*-Ad | 1, 2 | 17.5 | 52.5 | |
| | NCS-16*-Ad | 1, 2, 3, 4 | 21.5 | 49 | |
| | NCS-25*-Ad | 2, 3, 4, 5, 6, 7, 8 | 28.5 | 57 | |
| | NCS-30*-Ad | 2, 3, 4, 5, 6, 7, 7H, 8, 13 | 34 | 62.5 | |
| | NCS-40*-Ad | 2, 3, 4, 5, 6, 8, 10, 12, 16, 20 | 46 | 81 | |
| | NCS-50*-Ad | 2, 3 | 57 | 109 | |
| | NCS-50*-Ad | 4, 8, 10, 15, 25 | 57 | 100 | |
| | NCS-60*-Ad | 2, 3, 4 | 67 | 118 | |
| NCS-60*-Ad | 10, 15, 30, 32, 40 | 67 | 109 | | |

| Adapter(Jack) | | G Type | *Number of contacts | A | B |
|---------------|-------------|----------------------------------|---------------------|-------|---|
| | NCS-16*-AdF | 2, 3 | 21.5 | 49 | |
| | NCS-25*-AdF | 2, 3, 4, 5, 6, 7 | 28.5 | 57 | |
| | NCS-30*-AdF | 2, 3, 4, 5, 6, 8 | 34 | 62.5 | |
| | NCS-44*-AdF | 2, 3, 4, 5, 6, 8, 10, 12, 16, 20 | 52 | 83 | |
| | NCS-54*-AdF | 2, 3 | 65 | 122 | |
| | NCS-54*-AdF | 4, 8, 10, 15, 25 | 65 | 112 | |
| | NCS-64*-AdF | 2, 3, 4 | 78 | 118.5 | |
| | NCS-60*-AdF | 10, 15, 30, 32 | 67 | 111 | |

| Adapter with flange(Panel Jack) | | S Type | *Number of contacts | B | D | E |
|---------------------------------|---------------|----------------------------------|---------------------|----|----|---|
| | NCS-16*-Ad(F) | 1, 2, 3, 4 | 49 | 28 | 37 | |
| | NCS-25*-Ad(F) | 2, 3, 4, 5, 6, 7, 8 | 57 | 35 | 42 | |
| | NCS-30*-Ad(F) | 2, 3, 4, 5, 6, 7, 7H, 8, 13 | 62.5 | 42 | 52 | |
| | NCS-40*-Ad(F) | 2, 3, 4, 5, 6, 8, 10, 12, 16, 20 | 81 | 56 | 65 | |


| Adapter with flange(Panel Jack) | | G Type | *Number of contacts | B | D | E |
|---------------------------------|----------------|------------------|---------------------|----|----|---|
| | NCS-16*-AdF(F) | 2, 3 | 49 | 28 | 37 | |
| | NCS-25*-AdF(F) | 2, 3, 4, 5, 6, 7 | 57 | 35 | 42 | |
| | NCS-30*-AdF(F) | 2, 3, 4, 5, 6, 8 | 62.5 | 42 | 52 | |

Shorting cap plug



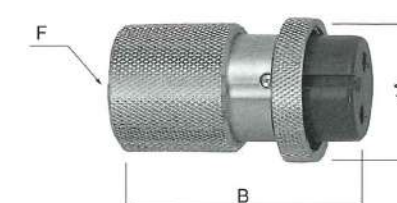
| S Type | *Number of contacts | A | B |
|------------|-------------------------|------|----|
| NCS-25*-SP | 2, 3, 4, 5, 6, 7, 8 | 28.5 | 38 |
| NCS-30*-SP | 2,3,4,5,6,7,7H,8,13 | 34 | 41 |
| NCS-40*-SP | 2,3,4,5,6,8,10,12,16,20 | 46 | 56 |
| NCS-50*-SP | 2, 3 | 57 | 82 |
| NCS-50*-SP | 4, 8, 10, 15, 25 | 57 | 72 |
| NCS-60*-SP | 2, 3, 4 | 67 | 83 |
| NCS-60*-SP | 10, 15, 30, 32 | 67 | 73 |

Shorting cap plug



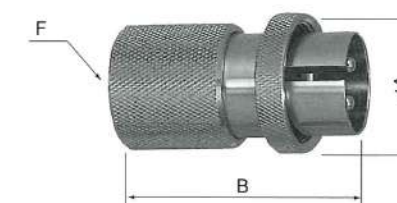
| G Type | *Number of contacts | A | B |
|-------------|-------------------------|------|------|
| NCS-25*-SPM | 2, 3, 4, 5, 6, 7 | 28.5 | 38.5 |
| NCS-30*-SPM | 2, 3, 4, 5, 6, 8 | 34 | 43 |
| NCS-44*-SPM | 2,3,4,5,6,8,10,12,16,20 | 52 | 57 |
| NCS-54*-SPM | 2, 3 | 65 | 91 |
| NCS-54*-SPM | 4, 8, 10, 15, 25 | 65 | 81 |
| NCS-64*-SPM | 2, 3, 4 | 78 | 96 |
| NCS-60*-SPM | 10, 15, 30, 32 | 67 | 75 |

Pipe threads plug



| S Type | *Number of contacts | A | B | F |
|------------|-------------------------|------|------|---------------|
| NCS-25*-GP | 2, 3, 4, 5, 6, 7, 8 | 28.5 | 50 | PF1/2 |
| NCS-30*-GP | 2,3,4,5,6,7,7H,8,13 | 34 | 53.5 | PF1/2 |
| NCS-40*-GP | 2,3,4,5,6,8,10,12,16,20 | 46 | 66.5 | PF1, 3/4, 1/2 |
| NCS-50*-GP | 2, 3 | 57 | 90 | PF1, 3/4, 1/2 |
| NCS-50*-GP | 4, 8, 10, 15, 25 | 57 | 80 | PF1, 3/4, 1/2 |
| NCS-60*-GP | 2, 3, 4 | 67 | 104 | PF1 1/4, 1 |
| NCS-60*-GP | 10, 15, 30, 32, 40 | 67 | 94 | PF1 1/4, 1 |

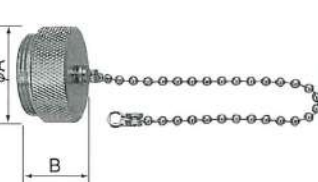
Pipe threads plug



| G Type | *Number of contacts | A | B | F |
|-------------|-------------------------|------|------|---------------|
| NCS-25*-GPM | 2, 3, 4, 5, 6, 7 | 28.5 | 50.5 | PF1/2 |
| NCS-30*-GPM | 2, 3, 4, 5, 6, 8 | 34 | 55.5 | PF1/2 |
| NCS-44*-GPM | 2,3,4,5,6,8,10,12,16,20 | 52 | 68 | PF1, 3/4, 1/2 |
| NCS-54*-GPM | 2, 3 | 65 | 91 | PF1, 3/4, 1/2 |
| NCS-54*-GPM | 4, 8, 10, 15, 25 | 65 | 81 | PF1, 3/4, 1/2 |
| NCS-64*-GPM | 2, 3, 4 | 78 | 100 | PF1 1/4, 1 |
| NCS-60*-GPM | 10, 15, 30, 32 | 67 | 99 | PF1 1/4, 1 |

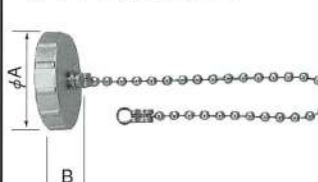
Accessories

Plug cap(PCa)



| Shell size | A | B |
|------------|------|----|
| NCS-14-PCa | 18 | 17 |
| NCS-16-PCa | 21.5 | 18 |
| NCS-25-PCa | 28.5 | 20 |
| NCS-30-PCa | 34 | 23 |
| NCS-40-PCa | 46 | 23 |
| NCS-44-PCa | 52 | 24 |
| NCS-50-PCa | 57 | 39 |
| NCS-54-PCa | 65 | 40 |
| NCS-60-PCa | 67 | 40 |
| NCS-64-PCa | 78 | 40 |

Receptacle cap(RCa)
Also for adapter
(アダプタ用もかねる)



| Shell size | A | B |
|------------|------|------|
| NCS-14-RCa | 18 | 10 |
| NCS-16-RCa | 21.5 | 9.5 |
| NCS-25-RCa | 29 | 11 |
| NCS-30-RCa | 34 | 11.5 |
| NCS-40-RCa | 46.5 | 12 |
| NCS-44-RCa | 52.5 | 12 |
| NCS-50-RCa | 57.5 | 18 |
| NCS-54-RCa | 65 | 19 |
| NCS-60-RCa | 67.5 | 18 |
| NCS-64-RCa | 78 | 20 |

NCS and NWPC tools

Contacts with NCS and NWPC rated currents of least 80A have structures which can be removed from insulators. When soldering, do so after removing the contact.
※See page 26 for details.

NCS・NWPC用工具

NCS・NWPCの定格電流80A以上のコンタクトは、絶縁体より取り外せる構造になっております。はんだ付け作業の際には、コンタクトを取り外して作業して下さい。
※詳細は26ページを参照して下さい。

NWPC Series Connectors ■ Outdoor Type, Water-proof Connectors of NCS Series

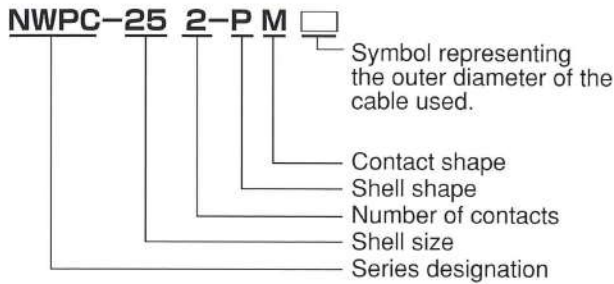
Feature

1. Cable drawing-out section is constructed to keep cables doubly by use of rubber packing and cable clamps.
2. Thermosetting epoxy resins have been employed for insulators.
3. Seven kinds of shell size and various shell type are available for a variety of applications.

特長

1. ケーブルの引き出し部分は、ゴムパッキン、ケーブルクランプとで、二重にケーブルを保守する構造です
2. 絶縁体は熱硬化性エポキシ樹脂を使用
3. 広い範囲の用途を対象に7種のシェルサイズと多数のシェルタイプを用意

Order Cording (形名構成)



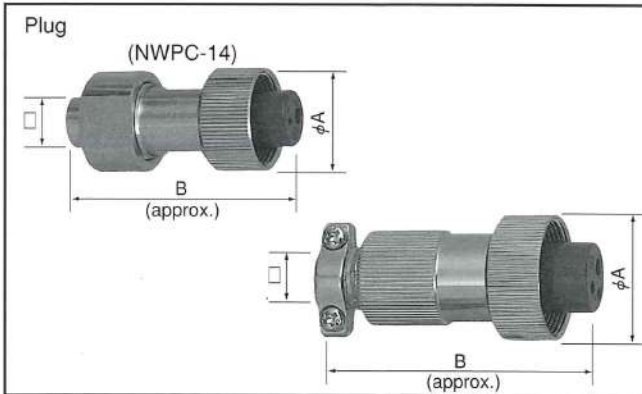
Material and Finish

材質及び処理

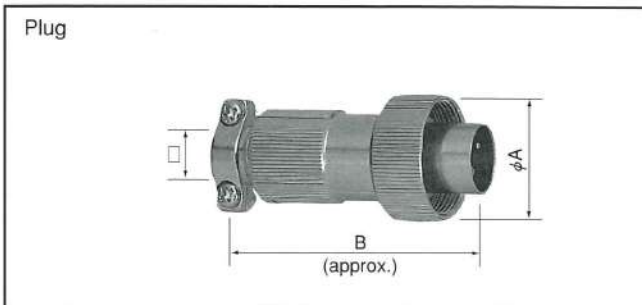
| | Material (材質) | Finish (処理) |
|-----------------|---|---|
| Shell (シェル) | Brass or Zinc alloy die casting (黄銅又は亜鉛ダイカスト) | Chrome plating (クロムめっき) |
| Insulator (絶縁体) | Epoxy resin (エポキシ樹脂) | — |
| Contact (コンタクト) | Copper alloy (銅合金) | Nickel, Silver or Gold plating (ニッケル、銀又は金めっき) |
| Packing (パッキン) | Synthetic rubber (合成ゴム) | — |

- Cable termination : Soldering
- Operating temperature range : -40°C to +85°C
- Water resistance : Water pressure 0.5kPa 24hrs.

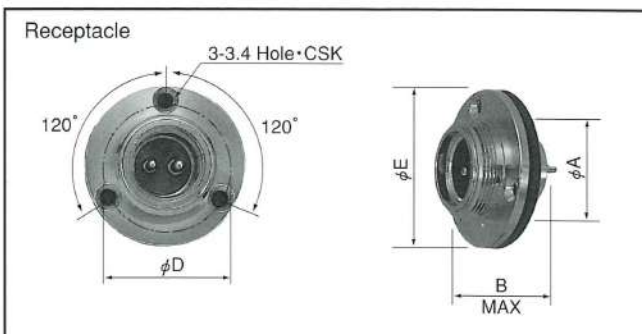
- 結線方式 : はんだ付け
- 使用温度範囲 : -40°C~+85°C
- 防水性 : 水圧下 0.5kPa 24時間



| S Type | *Number of contacts | A | B |
|-------------|----------------------------------|----|------|
| NWPC-14*-P□ | 1 | 21 | 47.5 |
| NWPC-14*-P□ | 2 | 21 | 49 |
| NWPC-16*-P□ | 1, 4 | 25 | 57 |
| NWPC-16*-P□ | 2, 3 | 25 | 58 |
| NWPC-25*-P□ | 2, 3, 4, 5, 6, 7, 8 | 32 | 64 |
| NWPC-30*-P□ | 2, 3, 4, 5, 6, 7, 7H, 8, 13 | 37 | 70 |
| NWPC-40*-P□ | 2, 3, 4, 5, 6, 8, 10, 12, 16, 20 | 47 | 94 |
| NWPC-50*-P□ | 2, 3 | 57 | 130 |
| NWPC-50*-P□ | 4, 8, 10, 15, 25 | 57 | 120 |
| NWPC-60*-P□ | 2, 3, 4 | 67 | 145 |
| NWPC-60*-P□ | 10, 15, 30, 32, 40 | 67 | 135 |
| □ | (Refer to page 26) | | |



| G Type | *Number of contacts | A | B |
|--------------|----------------------------------|----|------|
| NWPC-16*-PM□ | 2, 3 | 25 | 58 |
| NWPC-25*-PM□ | 2, 3, 4, 5, 6, 7 | 32 | 64.5 |
| NWPC-30*-PM□ | 2, 3, 4, 5, 6, 8 | 37 | 72 |
| NWPC-44*-PM□ | 2, 3, 4, 5, 6, 8, 10, 12, 16, 20 | 56 | 98 |
| NWPC-54*-PM□ | 2, 3 | 66 | 130 |
| NWPC-54*-PM□ | 4, 8, 10, 15, 25 | 66 | 120 |
| NWPC-64*-PM□ | 2, 3, 4 | 76 | 145 |
| NWPC-60*-PM□ | 10, 15, 30, 32 | 67 | 137 |
| □ | (Refer to page 26) | | |



| S Type | *Number of contacts | A | B | D | E |
|------------|----------------------------------|----|------|----|----|
| NWPC-14*-R | 1 | 14 | 28.5 | 26 | 34 |
| NWPC-14*-R | 2 | 14 | 25 | 26 | 34 |
| NWPC-16*-R | 1 | 16 | 30.5 | 30 | 37 |
| NWPC-16*-R | 2, 3, 4 | 16 | 26 | 30 | 37 |
| NWPC-25*-R | 2, 3, 4, 5, 6, 7, 8 | 25 | 27.5 | 36 | 44 |
| NWPC-30*-R | 2, 3, 4, 5, 6, 7, 7H, 8, 13 | 30 | 30 | 41 | 49 |
| NWPC-40*-R | 2, 3, 4, 5, 6, 8, 10, 12, 16, 20 | 40 | 36.5 | 52 | 60 |

| Receptacle | | G Type | *Number of contacts | A | B | D | E |
|------------|--|-------------|-------------------------|----|------|----|----|
| | | NWPC-16*-RF | 2, 3 | 16 | 26.5 | 30 | 37 |
| | | NWPC-25*-RF | 2, 3, 4, 5, 6, 7 | 25 | 27.5 | 36 | 44 |
| | | NWPC-30*-RF | 2, 3, 4, 5, 6, 8 | 30 | 31 | 41 | 49 |
| | | NWPC-44*-RF | 2,3,4,5,6,8,10,12,16,20 | 44 | 41 | 60 | 68 |

| Receptacle(Square flange) | | S Type | *Number of contacts | A | B | D | E |
|---------------------------|--|------------|---------------------|----|------|----|----|
| | | NWPC-50*-R | 2, 3 | 50 | 56 | 50 | 64 |
| | | NWPC-50*-R | 4, 8, 10, 15, 25 | 50 | 47 | 50 | 64 |
| | | NWPC-60*-R | 2, 3, 4 | 60 | 57.8 | 56 | 70 |
| | | NWPC-60*-R | 10, 15, 30, 32, 40 | 60 | 44.5 | 56 | 70 |

| Receptacle(Square flange) | | G Type | *Number of contacts | A | B | D | E |
|---------------------------|--|-------------|---------------------|----|------|----|----|
| | | NWPC-54*-RF | 2, 3 | 54 | 54 | 52 | 66 |
| | | NWPC-54*-RF | 4 | 54 | 46.5 | 52 | 66 |
| | | NWPC-54*-RF | 8, 10, 15, 25 | 54 | 43 | 52 | 66 |
| | | NWPC-64*-RF | 2, 3, 4 | 64 | 56 | 62 | 76 |
| | | NWPC-60*-RF | 10, 15, 30, 32 | 60 | 49.5 | 56 | 70 |

| Adapter(Jack) | | S Type | *Number of contacts | A | B |
|---------------|---|--------------------|----------------------------------|----|-------|
| | | NWPC-14*-Ad□ | 1, 2 | 21 | 62 |
| | | NWPC-16*-Ad□ | 1, 2, 3, 4 | 25 | 59 |
| | | NWPC-25*-Ad□ | 2, 3, 4, 5, 6, 7, 8 | 32 | 72 |
| | | NWPC-30*-Ad□ | 2, 3, 4, 5, 6, 7, 7H, 8, 13 | 37 | 80 |
| | | NWPC-40*-Ad□ | 2, 3, 4, 5, 6, 8, 10, 12, 16, 20 | 47 | 100 |
| | | NWPC-50*-Ad□ | 2, 3 | 57 | 131 |
| | | NWPC-50*-Ad□ | 4, 8, 10, 15, 25 | 57 | 122 |
| | | NWPC-60*-Ad□ | 2, 3, 4 | 67 | 150.5 |
| | | NWPC-60*-Ad□ | 10, 15, 30, 32, 40 | 67 | 142 |
| | □ | (Refer to page 26) | | | |

| Adapter(Jack) | | G Type | *Number of contacts | A | B |
|---------------|---|--------------------|----------------------------------|----|-----|
| | | NWPC-16*-AdF□ | 2, 3 | 25 | 59 |
| | | NWPC-25*-AdF□ | 2, 3, 4, 5, 6, 7 | 32 | 72 |
| | | NWPC-30*-AdF□ | 2, 3, 4, 5, 6, 8 | 37 | 80 |
| | | NWPC-44*-AdF□ | 2, 3, 4, 5, 6, 8, 10, 12, 16, 20 | 56 | 101 |
| | | NWPC-54*-AdF□ | 2, 3 | 66 | 135 |
| | | NWPC-54*-AdF□ | 4, 8, 10, 15, 25 | 66 | 125 |
| | | NWPC-64*-AdF□ | 2, 3, 4 | 76 | 151 |
| | | NWPC-60*-AdF□ | 10, 15, 30, 32 | 67 | 142 |
| | □ | (Refer to page 26) | | | |

| Adapter with flange(Panel Jack) | | S Type | *Number of contacts | B | D | E |
|---------------------------------|--|-----------------|-----------------------------|----|----|----|
| | | NWPC-16*-Ad(F)□ | 1, 2, 3, 4 | 59 | 32 | 40 |
| | | NWPC-25*-Ad(F)□ | 2, 3, 4, 5, 6, 7, 8 | 72 | 39 | 47 |
| | | NWPC-30*-Ad(F)□ | 2, 3, 4, 5, 6, 7, 7H, 8, 13 | 80 | 44 | 52 |
| | | □ | (Refer to page 26) | | | |

| Adapter with flange(Panel Jack) | | G Type | *Number of contacts | B | D | E |
|---------------------------------|-----------------|--------------------|---------------------|----|----|---|
| | NWPC-16*AdF(F)□ | 2, 3 | 59 | 32 | 40 | |
| | NWPC-25*AdF(F)□ | 2, 3, 4, 5, 6, 7 | 72 | 39 | 47 | |
| | NWPC-30*AdF(F)□ | 2, 3, 4, 5, 6, 8 | 80 | 44 | 52 | |
| | □ | (Refer to page 26) | | | | |

Accessories

| Plug cap(PCa) | | Shell size | A | B | Receptacle cap(RCa) Also for adapter (アダプタ用もかねる) | | Shell size | A | B |
|---------------|-------------|------------|------|---|--|----|------------|---|---|
| | NWPC-14-PCa | 21 | 20.5 | | NWPC-14-RCa | 21 | 13 | | |
| | NWPC-16-PCa | 25 | 18.5 | | NWPC-16-RCa | 25 | 12.5 | | |
| | NWPC-25-PCa | 32 | 19.5 | | NWPC-25-RCa | 32 | 12.5 | | |
| | NWPC-30-PCa | 37 | 22 | | NWPC-30-RCa | 37 | 14 | | |
| | NWPC-40-PCa | 47 | 24.5 | | NWPC-40-RCa | 47 | 16 | | |
| | NWPC-44-PCa | 56 | 25 | | NWPC-44-RCa | 56 | 16 | | |
| | NWPC-50-PCa | 57 | 39.6 | | NWPC-50-RCa | 57 | 21.6 | | |
| | NWPC-54-PCa | 66 | 38.6 | | NWPC-54-RCa | 66 | 19.6 | | |
| | NWPC-60-PCa | 67 | 39.6 | | NWPC-60-RCa | 67 | 19.6 | | |
| | NWPC-64-PCa | 76 | 38.6 | | NWPC-64-RCa | 76 | 19.6 | | |

□: Symbol representing the outer diameter of the cable used.
The connectors are of water-proof construction therefore, it is required to mate the inside diameter of rubber packing of the cable clamp section with the outer diameter of cable used. Select the symbol conforming to the cable used, from the following table, and enter it in the table.

□: 使用ケーブル外径を表す記号
このコネクタは防水構造ですのでケーブルクランプ部のゴムパッキンの内径に、使用ケーブル外径を合わせる必要がありますので、下表より使用ケーブルに適合する記号を選び記入して下さい。

| Shell size | Symbol□ | Outer diameter of cable used |
|------------|---------|------------------------------|
| 14 | 5 | φ 5.0~φ 5.9 |
| | 6 | φ 6.1~φ 6.9 |
| | 7 | φ 7.0~φ 8.0 |
| 16 | 5 | φ 4.5~φ 6.0 |
| | 7 | φ 6.1~φ 8.0 |
| | 9 | φ 8.1~φ 10.0 |
| 25 | 7 | φ 6.5~φ 8.0 |
| | 9 | φ 8.1~φ 10.0 |
| | 11 | φ 10.1~φ 12.0 |
| 30 | 13 | φ 12.1~φ 14.0 |
| | 9 | φ 8.0~φ 10.0 |
| | 11 | φ 10.1~φ 12.0 |
| | 13 | φ 12.1~φ 14.0 |
| | 15 | φ 14.1~φ 16.4 |
| 40 and 44 | 17 | φ 16.5~φ 18.0 |
| | 12 | φ 11.0~φ 13.0 |
| | 14 | φ 13.1~φ 15.0 |
| | 16 | φ 15.1~φ 17.0 |
| | 18 | φ 17.1~φ 19.0 |
| | 20 | φ 19.1~φ 21.5 |
| | 23 | φ 21.6~φ 24.0 |

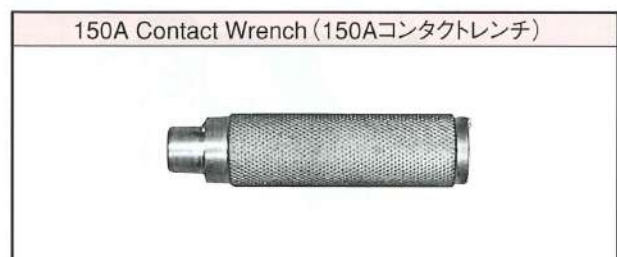
| Shell size | Symbol□ | Outer diameter of cable used |
|------------|---------|------------------------------|
| 50 and 54 | 16 | φ 15.0~φ 17.0 |
| | 18 | φ 17.1~φ 19.0 |
| | 20 | φ 19.1~φ 21.0 |
| | 22 | φ 21.1~φ 23.0 |
| | 24 | φ 23.1~φ 25.5 |
| | 27 | φ 25.6~φ 28.0 |
| 60 and 64 | 22 | φ 21.0~φ 23.0 |
| | 24 | φ 23.1~φ 25.0 |
| | 26 | φ 25.1~φ 27.0 |
| | 28 | φ 27.1~φ 29.5 |
| | 31 | φ 29.6~φ 32.0 |
| | 33 | φ 32.1~φ 34.0 |
| | 35 | φ 34.1~φ 36.0 |
| | 37 | φ 36.1~φ 38.0 |

NCS and NWPC tools (Sale different)

Contacts with NCS and NWPC rated currents of at least 80A have structures which can be removed from insulators. When soldering, do so after removing the contact.

NCS・NWPC用工具(別売)

NCS・NWPCの定格電流80A以上のコンタクトは、絶縁体より取り外せる構造になっております。はんだ付け作業の際には、コンタクトを取り外して作業して下さい。



NT Series Connectors ■ Ideal for a Machine Tool Excellent Water-proof and Oil-proof Construction

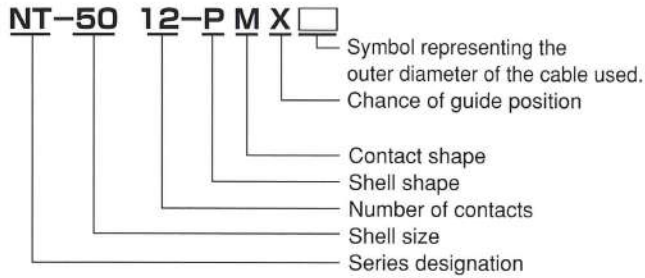
Feature

1. Solid, lightweight, and further provided with ground contacts.
2. Any cable can be used. ($\phi 8$ to $\phi 24$ mm)
3. Water-proof, Oil-proof type.
4. Safety design providing earthing contact.

特長

1. 軽量で堅牢
2. 任意のケーブルが使用できる ($\phi 8 \sim \phi 24$ mm)
3. 防水・防油タイプ
4. アースコンタクトを有する安全設計

Order Cording (形名構成)



- Cable termination : Soldering
- Operating temperature range : -40°C to $+85^{\circ}\text{C}$

Material and Finish

材質及び処理

| | Material (材質) | Finish (処理) |
|-----------------|---|-------------------------|
| Shell (シェル) | Aluminum alloy die casting or Aluminum alloy (アルミニウム合金ダイカスト又は、アルミニウム合金) | Chrome plating (クロムめっき) |
| Insulator (絶縁体) | Epoxy resin (エポキシ樹脂) | — |
| Contact (コンタクト) | Copper alloy (銅合金) | Silver plating (銀めっき) |
| Packing (パッキン) | Oil-resistant rubber (耐油性ゴム) | — |

- 結線方式 : はんだ付け
- 使用温度範囲 : $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$

Chance of Guide Position
(Viewed from pin insert coupling side.)

ガイド位置
(ピンインサート結合面より見て)

| Mark | No. of contacts | | | |
|------|-----------------|---------------|---------------|---------------|
| | 4 | 10 | 12 | 15 |
| X | 45° | 45° | 45° | 45° |
| Y | 110° | 110° | 110° | 110° |
| Z | 250° | 250° | 250° | 250° |

| Plug | S Type | *Number of contacts |
|----------|------------------------------|---------------------|
| | NT-50*-PF□ | 4, 10, 12, 15 |
| G Type | *Number of contacts | 4, 10, 12, 15 |
| | NT-50*-PM□ | 4, 10, 12, 15 |
| Symbol □ | Outer diameter of cable used | |
| 12 | $\phi 8.0 \sim \phi 12.0$ | |
| 16 | $\phi 12.1 \sim \phi 16.0$ | |
| 20 | $\phi 16.1 \sim \phi 20.0$ | |
| 24 | $\phi 20.1 \sim \phi 24.0$ | |

| Angle plug | S Type | *Number of contacts |
|------------|------------------------------|---------------------|
| | NT-50*-LPF□ | 4, 10, 12, 15 |
| G Type | *Number of contacts | 4, 10, 12, 15 |
| | NT-50*-LPM□ | 4, 10, 12, 15 |
| Symbol □ | Outer diameter of cable used | |
| 12 | $\phi 8.0 \sim \phi 12.0$ | |
| 16 | $\phi 12.1 \sim \phi 16.0$ | |
| 20 | $\phi 16.1 \sim \phi 20.0$ | |
| 24 | $\phi 20.1 \sim \phi 24.0$ | |

Shorting cap plug

| | |
|------------|---------------------|
| S Type | *Number of contacts |
| NT-50*-SPF | 4, 10, 12, 15 |
| G Type | *Number of contacts |
| NT-50*-SPM | 4, 10, 12, 15 |

Receptacle

| | |
|-----------|---------------------|
| S Type | *Number of contacts |
| NT-50*-RM | 4, 10, 12, 15 |
| G Type | *Number of contacts |
| NT-50*-RF | 4, 10, 12, 15 |

Receptacle with cap

| | |
|------------|---------------------|
| S Type | *Number of contacts |
| NT-50*-CRM | 4, 10, 12, 15 |
| G Type | *Number of contacts |
| NT-50*-CRF | 4, 10, 12, 15 |

Accessories

Plug cap(PCa)

Receptacle cap(RCa)

Box connector(BC-□)

Box connector(BCG-□)

| Type | A | B1 | B2 | T | Outer diameter of cable used |
|--------|----|-------------|-----|---------|------------------------------|
| BC-8 | 29 | 36.5 ~ 42.0 | — | PF1/2 | φ 4~ 8 |
| BCG-8 | | | 100 | | |
| BC-12 | 29 | 36.5 ~ 42.0 | — | PF1/2 | φ 8~12 |
| BCG-12 | | | 110 | | |
| BC-16 | 37 | 39.0 ~ 45.0 | — | PF3/4 | φ12~16 |
| BCG-16 | | | 120 | | |
| BC-20 | 37 | 41.5 ~ 48.5 | — | PF3/4 | φ16~20 |
| BCG-20 | | | 135 | | |
| BC-24 | 45 | 46.5 ~ 56.0 | — | PF1 | φ20~24 |
| BCG-24 | | | 165 | | |
| BC-28 | 54 | 49.5 ~ 60.5 | — | PF1 1/4 | φ24~28 |
| BCG-28 | | | 200 | | |
| BC-32 | 54 | 51.5 ~ 62.5 | — | PF1 1/4 | φ28~32 |
| BCG-32 | | | 230 | | |
| BC-36 | 60 | 52.5 ~ 64.5 | — | PF1 1/2 | φ32~36 |
| BCG-36 | | | 245 | | |

NHVC Series Connectors ■ For High Voltage Low Current

Feature

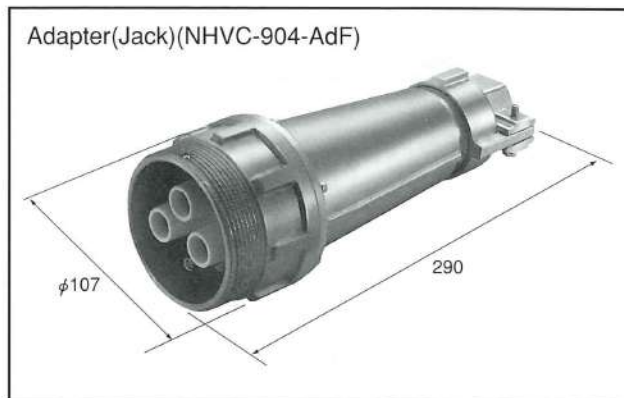
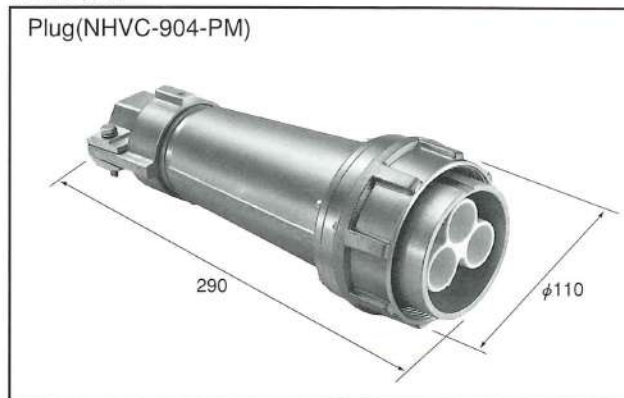
1. Supply of electric power to high-voltage electrical equipment for movement of a site of construction, etc.
2. Supply of electric power to high-voltage motor, etc.
3. Simplification of maintenance of high-voltage electric equipment, etc.

● Materials and Finish

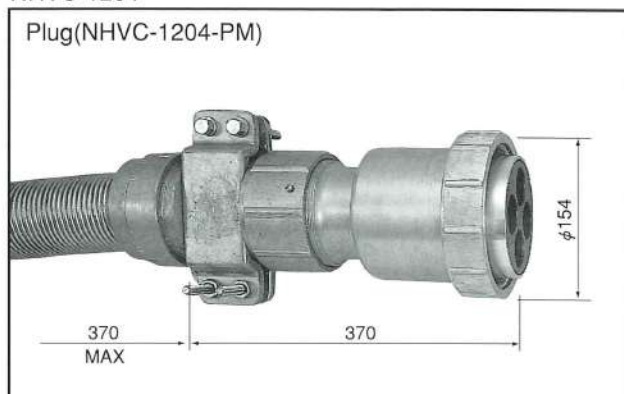
| | Material (材質) | Finish (処理) |
|-----------------|------------------------------|-----------------------|
| Shell (シェル) | Aluminum alloy (耐食性アルミニウム合金) | — |
| Insulator (絶縁体) | Synthetic resin (合成樹脂) | — |
| Contact (コンタクト) | Copper alloy (銅合金) | Silver plating (銀めっき) |
| Packing (パッキン) | Synthetic rubber (合成ゴム) | — |

- Cable termination : Soldering
- Operating temperature range : -25°C to +85°C
- Water resistance : Waterproof type

NHVC-904



NHVC-1204



特長

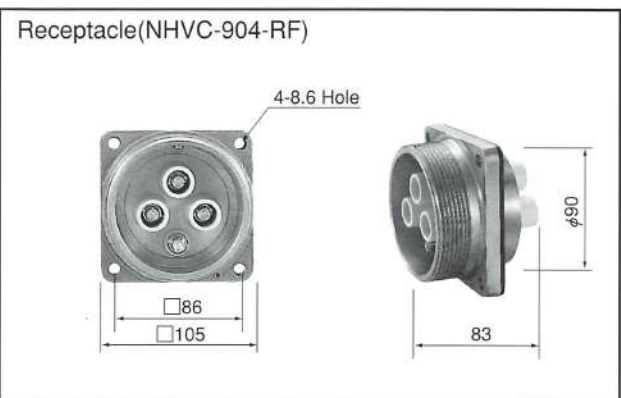
1. 工事現場等の移動用高圧電気設備への電力の供給
2. 高圧電動機等への電力供給
3. 高圧電気設備のケーブルメンテナンス等

● Electrical Performance

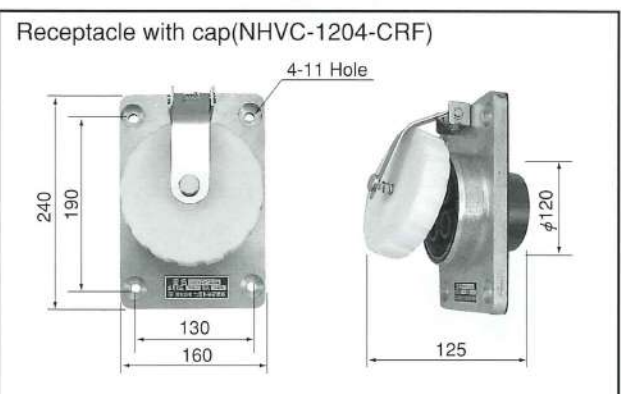
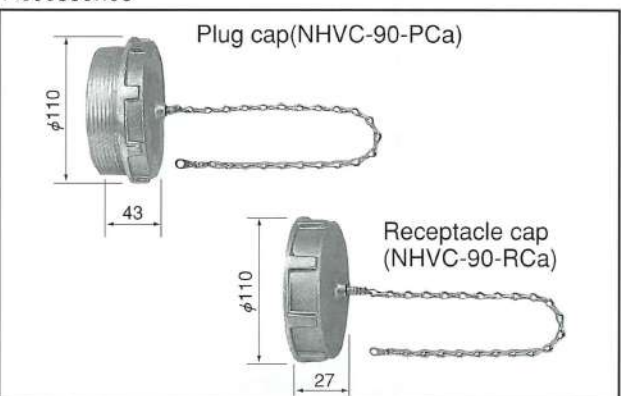
| | Rating (定格) | Withstand Impulse Voltage (耐インパルス電圧) |
|-----------|-------------|--------------------------------------|
| NHVC-904 | 3.3kV 80A | ±45kV or more |
| NHVC-1204 | 3.3kV 200A | ±35kV or more |
| NHVC-2004 | 6.6kV 350A | ±80kV or more |

● 電气的性能

- 結線方式 : はんだ付け
- 使用温度範囲 : -25°C ~ +85°C
- 防水性 : 屋外用防水形

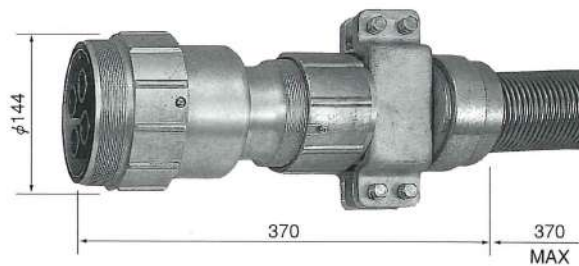


Accessories



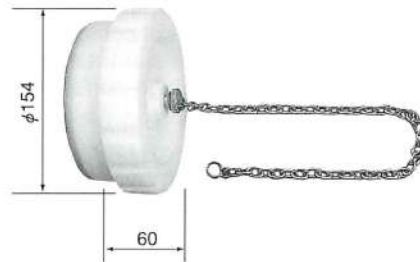
NHVC-1204

Adapter(Jack)(NHVC-1204-AdF)



Accessories

Plug cap(NHVC-120-PCa)

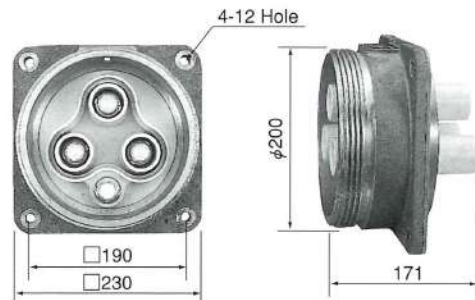


NHVC-2004

Plug(NHVC-2004-PM)



Receptacle(NHVC-2004-RF)

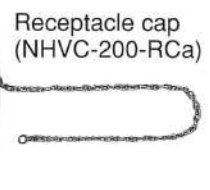


Adapter(Jack)(NHVC-2004-AdF)



Accessories

Plug cap(NHVC-200-PCa)



Exclusive use tool (Sale different)

NHVC-904 Use (6mm Contact Wrench)

NHVC-1204 Use(200A Contact Wrench)

NHVC-2004 Use(350A Contact Wrench)

This special tool is necessary since the contact is removed when soldering.

Accessories (NHVC-2004)

- Termination material for high voltage Cable
- Coupling Wrench

専用工具 (別売)

NHVC-904用 (6ミリコンタクトレンチ)

NHVC-1204用 (200Aコンタクトレンチ)

NHVC-2004用 (350Aコンタクトレンチ)

はんだ付けの際にコンタクトを取り外す為、この専用工具が必要となります。

付属品 (NHVC-2004のみ)

- 高圧ケーブル用端末処理キット
- 専用カップリングレンチ

NMI Series Connectors ■ For Low Voltage High Current

Feature

1. Supply of electric power to high-current electrical equipment for movement of a site of construction, etc.
2. Supply of electric power to a high-current motor, etc.
3. Simplification of maintenance of high-current electric equipment, etc.

● Materials and Finish

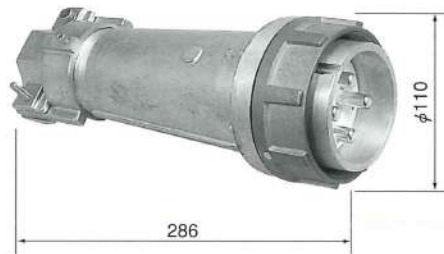
● 材質及び処理

| | Material (材質) | Finish (処理) |
|-----------------|------------------------------|-----------------------|
| Shell (シェル) | Aluminum alloy (耐食性アルミニウム合金) | — |
| Insulator (絶縁体) | Synthetic resin (合成樹脂) | — |
| Contact (コンタクト) | Copper alloy (銅合金) | Silver plating (銀めっき) |
| Packing (パッキン) | Synthetic rubber (合成ゴム) | — |

- Cable termination : Soldering
- Operating temperature range : -25°C to +85°C
- Water resistance : Waterproof type

NMI-903, 904

Plug(NMI-903,904-PM)



特長

1. 工事現場等の移動用大電流電気設備への電力の供給
2. 大電流電動機等への電力供給
3. 大電流電気設備のケーブルメンテナンス等

● Electrical Performance

● 電氣的性能

| | Rating (定格) | Withstand voltage (耐電圧) |
|------------|-------------|-------------------------|
| NMI - 903 | 600V 200A | 2,500V (1min.) |
| NMI - 904 | 600V 200A | 2,500V (1min.) |
| NMI - 1203 | 600V 300A | 2,500V (1min.) |

- 結線方式 : はんだ付け
- 使用温度範囲 : -25°C~+85°C
- 防水性 : 屋外用防水形

Receptacle(NMI-903,904-RF)



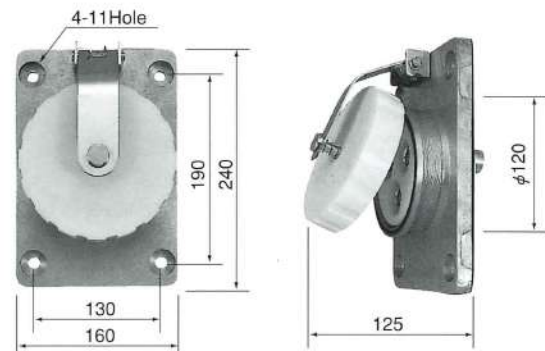
Accessories : PCa,RCa is sharing with PCa,RCa of NHVC-90 (PCa,RCaはNHVC-90のPCa,RCaと共用)

NMI-1203

Plug(NMI-1203-PM)



Receptacle with cap(NMI-1203-CRF)



Accessories : PCa is sharing with PCa of NHVC-120 (PCaはNHVC-120のPCaと共用)

บริษัท สยามเทค อินเตอร์เทรด จำกัด

545/77 ถนนเจริญสุขนิทวงศ์ แขวงบางขุนศรี เขตบางกอกน้อย กรุงเทพมหานคร 10700

โทร 02-886-5730 แฟกซ์: 02-886-6737 www.siamtech-intertrade.com

โทร 089-780-6523 ติดต่อ คุณภาคภูมิ ทรัพย์ศิริสวัสดิ์ อีเมลล์ sales.siamtech@gmail.com, sales2@siamtech-intertrade.com