

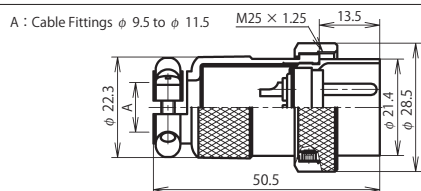
# NCS Series Characteristics

| Shell size                       | Contact | Insulation resistance ( M Ω ) |                         | Contact resistance ( m Ω ) |        | Withstand voltage ( V r.m.s. ) |        |
|----------------------------------|---------|-------------------------------|-------------------------|----------------------------|--------|--------------------------------|--------|
|                                  |         |                               |                         |                            |        |                                |        |
|                                  |         | S Type                        | G Type                  | S Type                     | G Type | S Type                         | G Type |
| 14                               | 1       | DC 500V                       | —                       | 3                          | —      | 1,000                          | —      |
|                                  | 2       | 2,000 min.                    | —                       | max.                       | —      | —                              | —      |
| 16                               | 1       | DC 500V<br>2,000 min.         | —                       | 3<br>max.                  | —      | 1,000                          | —      |
|                                  | 2       |                               | DC 500V                 |                            | 3      |                                | 1,000  |
|                                  | 3       |                               | 2,000 min.              |                            | max.   |                                | —      |
|                                  | 4       |                               | —                       |                            | —      |                                | —      |
| 25                               | 2       | DC 1,000V<br>2,000 min.       | DC 1,000V<br>2,000 min. | 3<br>max.                  | 3      | 2,000                          | 2,000  |
|                                  | 3       |                               |                         |                            | max.   | —                              | —      |
|                                  | 4       |                               |                         |                            | —      | —                              | —      |
|                                  | 5       |                               |                         |                            | —      | —                              | —      |
|                                  | 6       |                               |                         |                            | —      | 1,800                          | 1,800  |
|                                  | 7       |                               |                         |                            | —      | —                              | —      |
|                                  | 8       |                               |                         |                            | —      | —                              | —      |
| 30                               | 2       | DC 1,000V<br>2,000 min.       | DC 1,000V<br>2,000 min. | 3<br>max.                  | 3      | 2,000                          | 2,000  |
|                                  | 3       |                               |                         |                            | max.   | —                              | —      |
|                                  | 4       |                               |                         |                            | —      | —                              | —      |
|                                  | 5       |                               |                         |                            | —      | —                              | —      |
|                                  | 6       |                               |                         |                            | —      | 1,800                          | 1,800  |
|                                  | 7       |                               |                         |                            | —      | —                              | —      |
|                                  | 8       |                               |                         |                            | —      | —                              | —      |
|                                  | 7H      |                               |                         |                            | —      | —                              | —      |
| 40<br>(S Type)<br>44<br>(G Type) | 2       | DC 1,000V<br>2,000 min.       | DC 1,000V<br>2,000 min. | 3<br>max.                  | 3      | 2,500                          | 2,500  |
|                                  | 3       |                               |                         |                            | max.   | —                              | —      |
|                                  | 4       |                               |                         |                            | —      | —                              | —      |
|                                  | 5       |                               |                         |                            | —      | —                              | —      |
|                                  | 6       |                               |                         |                            | —      | 2,000                          | 2,000  |
|                                  | 8       |                               |                         |                            | —      | —                              | —      |
|                                  | 10      |                               |                         |                            | —      | —                              | —      |
|                                  | 12      |                               |                         |                            | —      | 1,800                          | 1,800  |
|                                  | 16      |                               |                         |                            | —      | —                              | —      |
|                                  | 20      |                               |                         |                            | —      | —                              | —      |

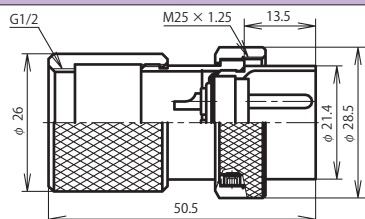
| Shell size                       | Contact | Insulation resistance ( M Ω ) |                         | Contact resistance ( m Ω ) |           | Withstand voltage ( V r.m.s. ) |        |
|----------------------------------|---------|-------------------------------|-------------------------|----------------------------|-----------|--------------------------------|--------|
|                                  |         |                               |                         |                            |           |                                |        |
|                                  |         | S Type                        | G Type                  | S Type                     | G Type    | S Type                         | G Type |
| 50<br>(S Type)<br>54<br>(G Type) | 2       | DC 1,000V                     | DC 1,000V               | 1                          | 1         | 3,000                          | 3,000  |
|                                  | 3       | 5,000 min.                    | 5,000 min.              | max.                       | max.      | —                              | —      |
|                                  | 4       | DC 1,000V<br>2,000 min.       | DC 1,000V<br>2,000 min. | 3<br>max.                  | 3<br>max. | 2,500                          | 2,500  |
|                                  | 8       |                               |                         |                            |           | 2,000                          | 2,000  |
|                                  | 10      |                               |                         |                            |           | —                              | —      |
|                                  | 15      |                               |                         |                            |           | 1,800                          | 1,800  |
| 60                               | 2       | DC 1,000V<br>5,000 min.       | —                       | 1<br>max.                  | —         | 3,000                          | —      |
|                                  | 3       |                               |                         |                            |           | —                              | —      |
|                                  | 4       |                               |                         |                            |           | —                              | —      |
|                                  | 10      |                               |                         |                            |           | 2,500                          | 2,000  |
|                                  | 15      | DC 1,000V<br>2,000 min.       | DC 1,000V<br>2,000 min. | 3<br>max.                  | 3<br>max. | 1,800                          | 1,500  |
|                                  | 30      |                               |                         |                            |           | —                              | —      |
|                                  | 32      |                               |                         |                            |           | —                              | —      |
|                                  | 40      |                               |                         |                            |           | —                              | —      |
| 64                               | 2       | —                             | DC 1,000V<br>5,000 min. | —                          | 1<br>max. | —                              | 3,000  |
|                                  | 3       |                               |                         |                            |           | —                              | —      |
|                                  | 4       |                               |                         |                            |           | —                              | —      |

■ includes safety standard certified products.

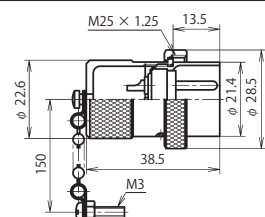
## 【 Power receiving side 】 < Pin ( male ) contact used >



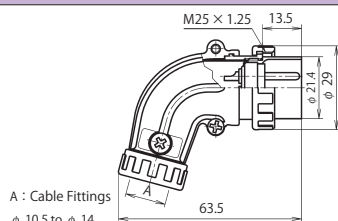
NCS-25 ■ -PM



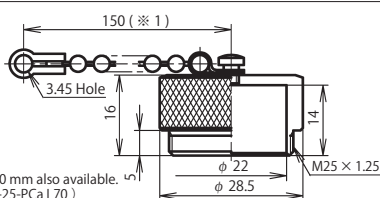
NCS-25 ■ -GPM 1/2 ( Note )



NCS-25 ■ -SPM



NCS-25 ■ -LPM



(※ 1) Length 70 mm also available.  
( Example : NCS-25-PCa L70 )

Plug cap : NCS-25-PCa

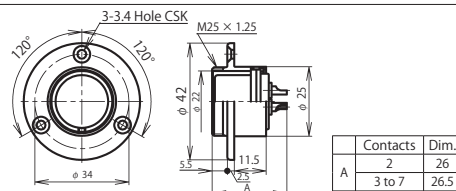
## G Type

Plug



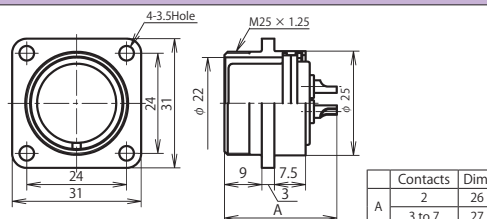
Coupled

## 【 Power supply side 】 < Socket ( female ) contact used >



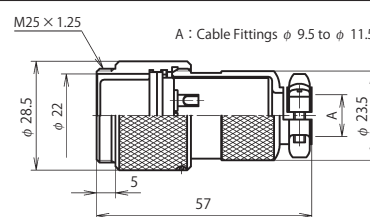
| Contacts | Dim. |
|----------|------|
| 2        | 26   |
| 3 to 7   | 26.5 |

NCS-25 ■ -RF

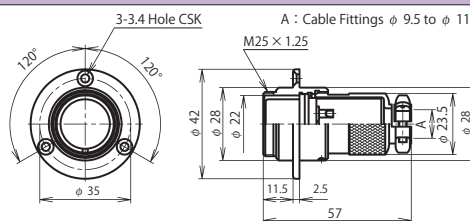


| Contacts | Dim. |
|----------|------|
| 2        | 26   |
| 3 to 7   | 27   |

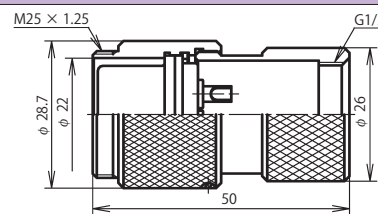
NCS-25 ■ -RF kaku



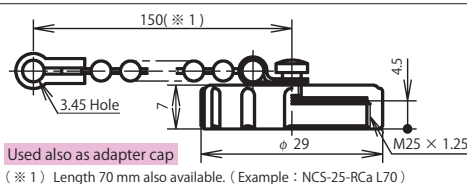
NCS-25 ■ -AdF



NCS-25 ■ -AdF(F)



NCS-25 ■ -GAdF1/2 ( Note )



Used also as adapter cap

(※ 1) Length 70 mm also available. ( Example : NCS-25-RCa L70 )

Receptacle cap : NCS-25-RCa

Accessory

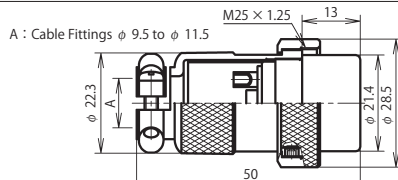
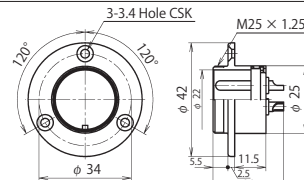
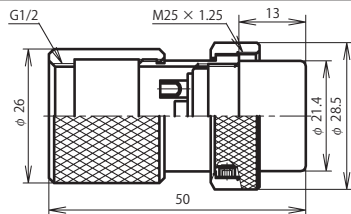
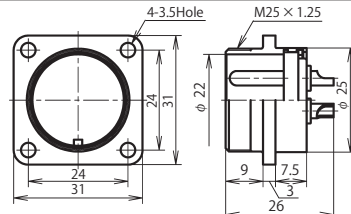
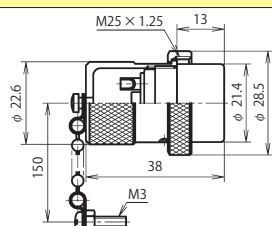
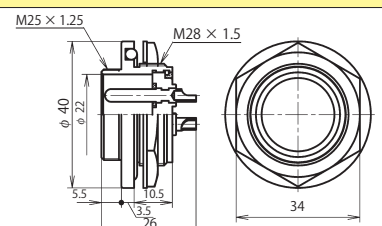
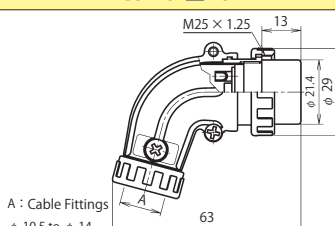
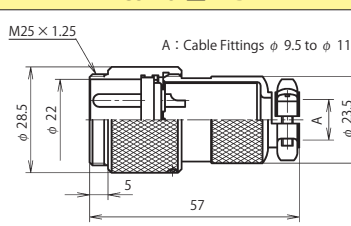
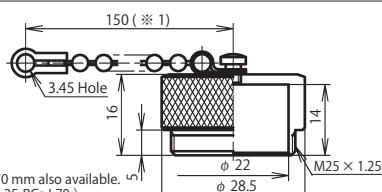
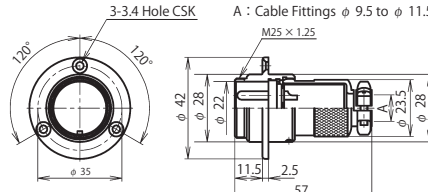
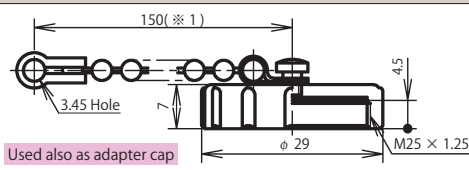
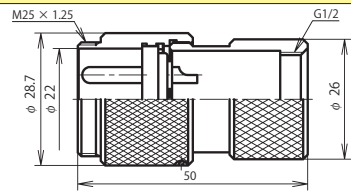
Note: We show sizes by the nominal "G(PF)" of parallel pipe threads. p.135

■ indicates the number of contacts.

The conductor cross sectional area is less than the following value. However, for safety standard certified products, use a cable having a value shown on p.129.

| Shell size | Number of Contacts                                                             | 2        | 3 | 4 | 5 | 6          | 7 |
|------------|--------------------------------------------------------------------------------|----------|---|---|---|------------|---|
| 25         | Contact arrangement<br><When viewed from the pin (male) contact coupling side> |          |   |   |   |            |   |
|            | Safety standard ( Note-1 )                                                     | —        |   |   |   | CSA NRTL/C |   |
|            | Rating                                                                         | 250V 10A |   |   |   | 250V 5A    |   |
|            | Limit operating voltage ( Note-2 )                                             | 400V     |   |   |   | 300V       |   |
|            | Withstand voltage ( V r.m.s. )                                                 | 2,000    |   |   |   | 1,800      |   |
|            | Wire size ( mm <sup>2</sup> )                                                  | 2        |   |   |   | 1.25       |   |

Note-1 : Specified separately. For safety standards, see p.129. ( The rated voltage of standard certified products is 265 V. ) Note-2: For the limit operating voltage, see p.131.

| 【 Power supply side 】 < Socket ( female ) contact used >                            |           | S Type     | 【 Power receiving side 】 < Pin ( male ) contact used >                                |         |
|-------------------------------------------------------------------------------------|-----------|------------|---------------------------------------------------------------------------------------|---------|
|    | Plug      | Receptacle |    | Adapter |
| NCS-25 ■ -P                                                                         |           |            | NCS-25 ■ -R                                                                           |         |
|    |           |            |    |         |
| NCS-25 ■ -GP 1/2 ( Note )                                                           |           |            | NCS-25 ■ -R kaku                                                                      |         |
|    | Coupled   | Adapter    |     |         |
| NCS-25 ■ -SP                                                                        |           |            | NCS-25 ■ -RBP                                                                         |         |
|   |           |            |   |         |
| NCS-25 ■ -LP                                                                        |           |            | NCS-25 ■ -Ad                                                                          |         |
|  | Accessory | Coupled    |   |         |
| Plug cap : NCS-25-PCa                                                               |           |            | NCS-25 ■ -Ad(F)                                                                       |         |
|  |           |            |  |         |
| Receptacle cap : NCS-25-RCa                                                         |           |            | NCS-25 ■ -GAd1/2 ( Note )                                                             |         |

Note: We show sizes by the nominal "G(PF)" of parallel pipe threads. P.135

■ indicates the number of contacts.

The conductor cross sectional area is less than the following value. However, for safety standard certified products, use a cable having a value shown on p.129.

| Shell size | Number of Contacts                                                             | 2                                                                                   | 3                                                                                   | 4                                                                                   | 5                                                                                   | 6                                                                                   | 7                                                                                   | 8                                                                                   |
|------------|--------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 25         | Contact arrangement<br><When viewed from the pin (male) contact coupling side> |  |  |  |  |  |  |  |
|            | Safety standard ( Note-1 )                                                     | —                                                                                   |                                                                                     |                                                                                     |                                                                                     | CSA NRTL/C                                                                          |                                                                                     | —                                                                                   |
|            | Rating                                                                         | 250V 10A                                                                            |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 250V 5A                                                                             |
|            | Limit operating voltage ( Note-2 )                                             | 400V                                                                                |                                                                                     |                                                                                     |                                                                                     | 300V                                                                                |                                                                                     |                                                                                     |
|            | Withstand voltage ( V r.m.s. )                                                 | 2,000                                                                               |                                                                                     |                                                                                     |                                                                                     | 1,800                                                                               |                                                                                     |                                                                                     |
|            | Wire size ( mm <sup>2</sup> )                                                  | 2                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 1.25                                                                                |

Note-1 : Specified separately. For safety standards, see p.129. ( The rated voltage of standard certified products is 265 V. ) Note-2: For the limit operating voltage, see p.131.