

NCS Series



Non-waterproof

RoHS

Safety standard certified products available

Overview

- Basic type of round metal connectors.
- Representative series that has proven performance in various indoor manufacturing equipment over a long period of time.
- High resistance to starting current and load current, enabling these connectors active in various manufacturing equipment.

Feature

RoHS	RoHS Directive compliant
Waterproof	Non
Lock method	Thread lock
Features of mechanism/ material	○ Simple structure, easy handling and robust. ○ Ten shell sizes and many connector shapes available for a wide variety of applications.
Standards	○ < CSA NRTL/C > standard certified connectors available. (CSA : C22.2 No.182.3 UL : 1977) Note: The specifications of safety standard certified connectors are slightly different from those of standard products. For the rated voltage, current and cable conductor cross sectional area, refer to A List of Standards Acquired (p.129).
Cable termination	Soldering

Characteristics

Insulation resistance , Withstand voltage , Contact resistance p.10



The pin contact type has an **exposed electrode**. If it is used on the [power supply] side, it may cause **electric shock** or **short-circuit accidents**. To prevent such accidents, use the socket contact type on the [power supply] side and the pin contact type on the [equipment] side.

[When inserting or extracting the connector, do not turn the connector body.]

NCS Series

Product No. designation

NCS - 25 ■ - P M

① ② ③ ④ ⑤ ⑥ ⑦

- ① Series designation
- ② Shell size
- ③ Number of contacts
- ④ Shell shape
- ⑤ Contact shape < Pin (male) contact : M , Socket (female) contact : F >
The S Type of NCS Series in all shapes of PF, RM, AdM, etc. is indicated simply by P, R, Ad, etc. with the contact shape symbol omitted.
- ⑥ Additional symbol (-CH) 《 Required only for Shell size 16 》
- ⑦ Safty standard specification(< CSA NRTL/C >)
 《 Required only when safty standard is to be specified. 》 For applicable products, see p.129.

Cable termination : Soldering

Material and Finish

	Material	Finish
Shell	Zinc alloy or brass (partially aluminum alloy)	Chrome plating Special treatment Tin-cobalt plating (Shell size 16 only)
Insulator	Synthetic resin	—
Contact	Copper alloy	Shell size 14 , 16 , 25 , 30 : Nickel plating Shell size 40 , 44 , 50 , 54 , 60 , 64 : Silver plating Shell size 30 (Number of contacts 7H , 13) : Gold plating

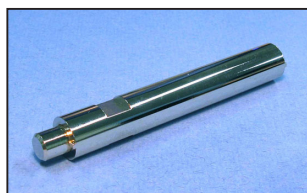
Temperature tolerance level

-40°C to +120°C

Exclusive tools (optional) : Contact wrench, soldering iron tip set

The contacts of rated current 80 A or over are constructed for removal from the insulator.
 For soldering, remove the contact with a contact wrench.

《 Types of contact wrenches 》



80A Contact Wrench

Used for:

NCS • NWPC-502 / 542
 NCS • NWPC-503 / 543
 NCS • NWPC-604 / 644

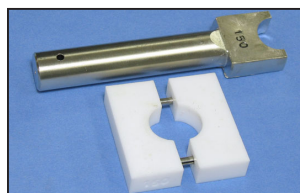


150A Contact Wrench

Used for:

NCS • NWPC-602 / 642
 NCS • NWPC-603 / 643

《 Soldering iron tip set 》



Usable soldering iron 200 W
 Iron tip inserting diameter φ 16 mm or over
 Iron tip temperature setting 420°C to 450°C

Set name * A set of iron tip and heat insulator.

For 80A contact → SS80-KB

For 150A contact → SS150-KB

They are also available individually.

For 80A contact

【 Iron tip → SS80-K 】 【 Heat insulator → SS80-B 】

For 150A contact

【 Iron tip → SS150-K 】 【 Heat insulator → SS150-B 】

【 80A Contact Wrench, 150A Contact Wrench 】

One tool is usable for installation and removal of a male and female contact.

NCS Series Characteristics

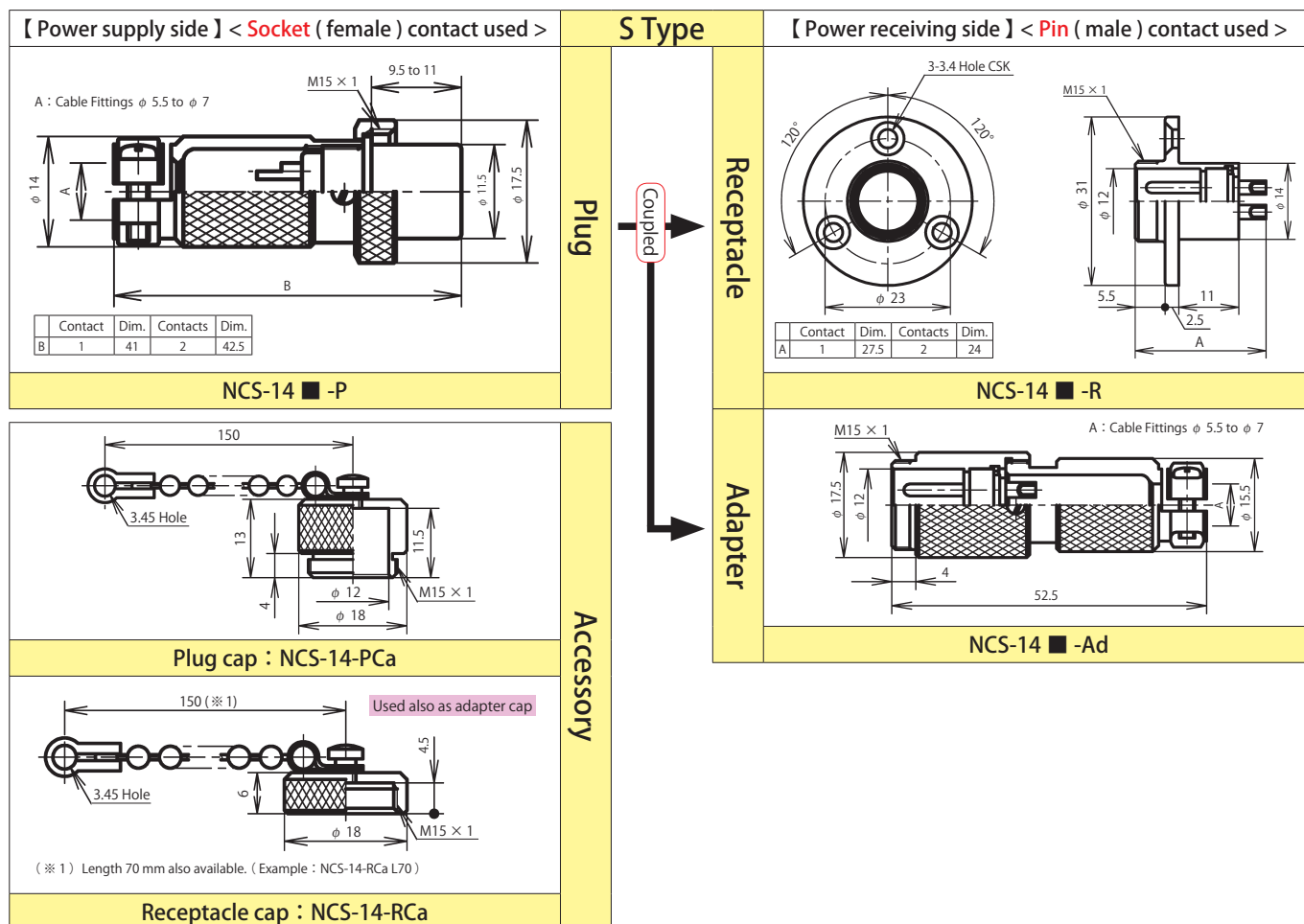
Number of contacts

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 2,000 min.	—	3 max.	—	1,000	—
	2		DC 500V		3		1,000
	3		2,000 min.		max.		—
	4		—		—		—
25	2	DC 1,000V 2,000 min.	DC 1,000V 2,000 min.	3 max.	3	2,000	2,000
	3				max.	—	—
	4				—	—	—
	5				—	—	—
	6				—	1,800	1,800
	7				—	—	—
	8				—	—	—
30	2	DC 1,000V 2,000 min.	DC 1,000V 2,000 min.	3 max.	3	2,000	2,000
	3				max.	—	—
	4				—	—	—
	5				—	—	—
	6				—	1,800	1,800
	7				—	—	—
	8				—	—	—
	7H				—	—	—
40 (S Type) 44 (G Type)	2	DC 1,000V 2,000 min.	DC 1,000V 2,000 min.	3 max.	3	2,500	2,500
	3				max.	—	—
	4				—	—	—
	5				—	—	—
	6				—	2,000	2,000
	8				—	—	—
	10				—	—	—
	12				—	1,800	1,800
	16				—	—	—
	20				—	—	—

Number of contacts

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 (S Type) 54 (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 2,000 min.	DC 1,000V 2,000 min.	3 max.	3 max.	2,500	2,500
	8					2,000	2,000
	10					—	—
	15					1,800	1,800
	25					—	—
60	2	DC 1,000V 5,000 min.	—	1 max.	—	3,000	—
	3					—	—
	4					—	—
	10					2,500	2,000
	15	DC 1,000V 2,000 min.	DC 1,000V 2,000 min.	3 max.	3 max.	1,800	1,500
	30					—	—
	32					—	—
	40					—	—
64	2	—	DC 1,000V 5,000 min.	—	1 max.	—	3,000
	3					—	—
	4					—	—

■ includes safety standard certified products.

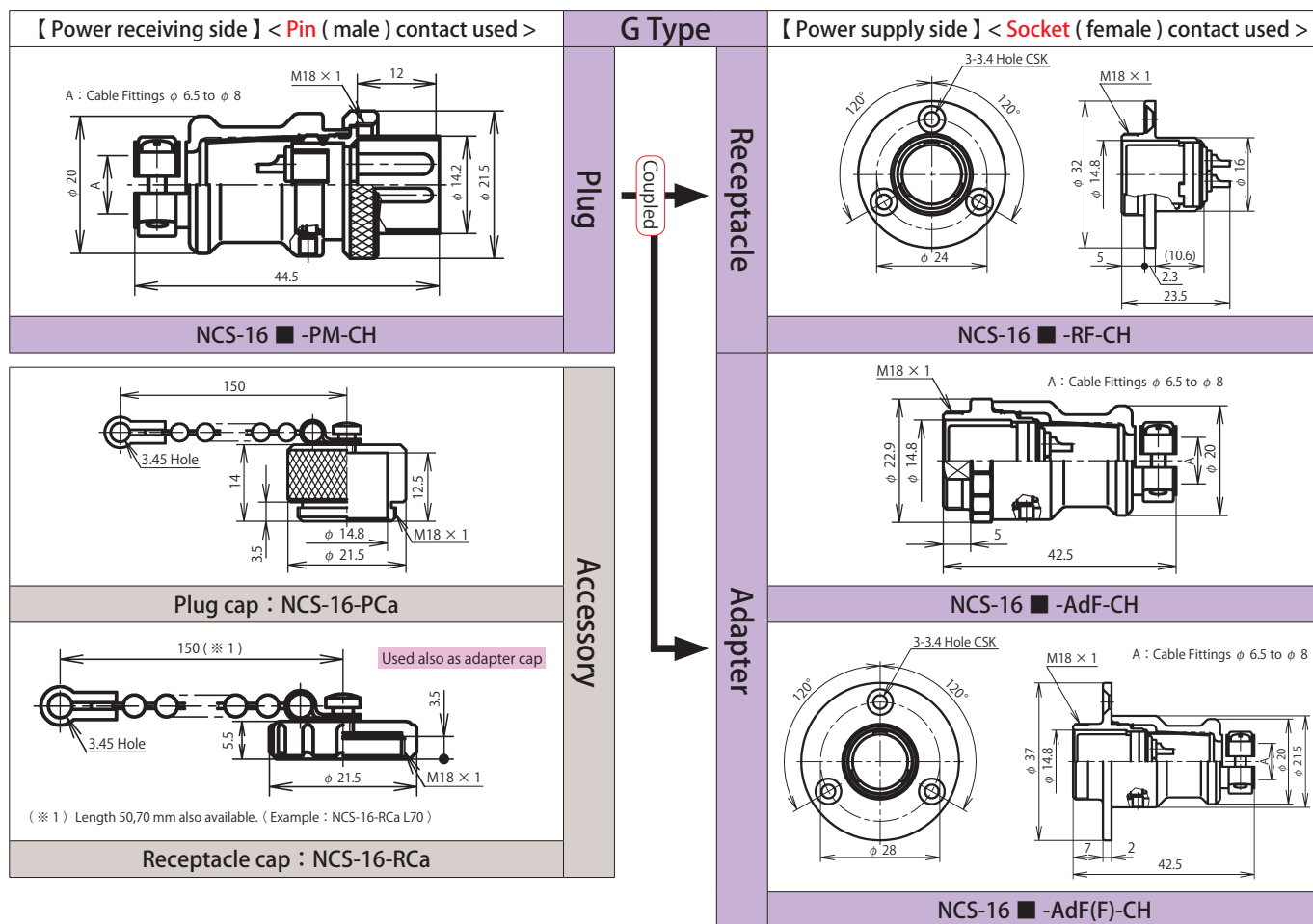


■ indicates the number of contacts. The conductor cross sectional area is less than the following value.

Shell size	Number of Contacts	1	2
14	Contact arrangement <When viewed from the pin (male) contact coupling side>		
	Safety standard	—	
	Rating	125V 5A	
	Limit operating voltage (Note-1)	200V	
	Withstand voltage (V r.m.s.)	1,000	
	Wire size (mm ²)	0.75	

Note-1 : For the limit operating voltage, see p.131.

NCS Series Shell Size 16

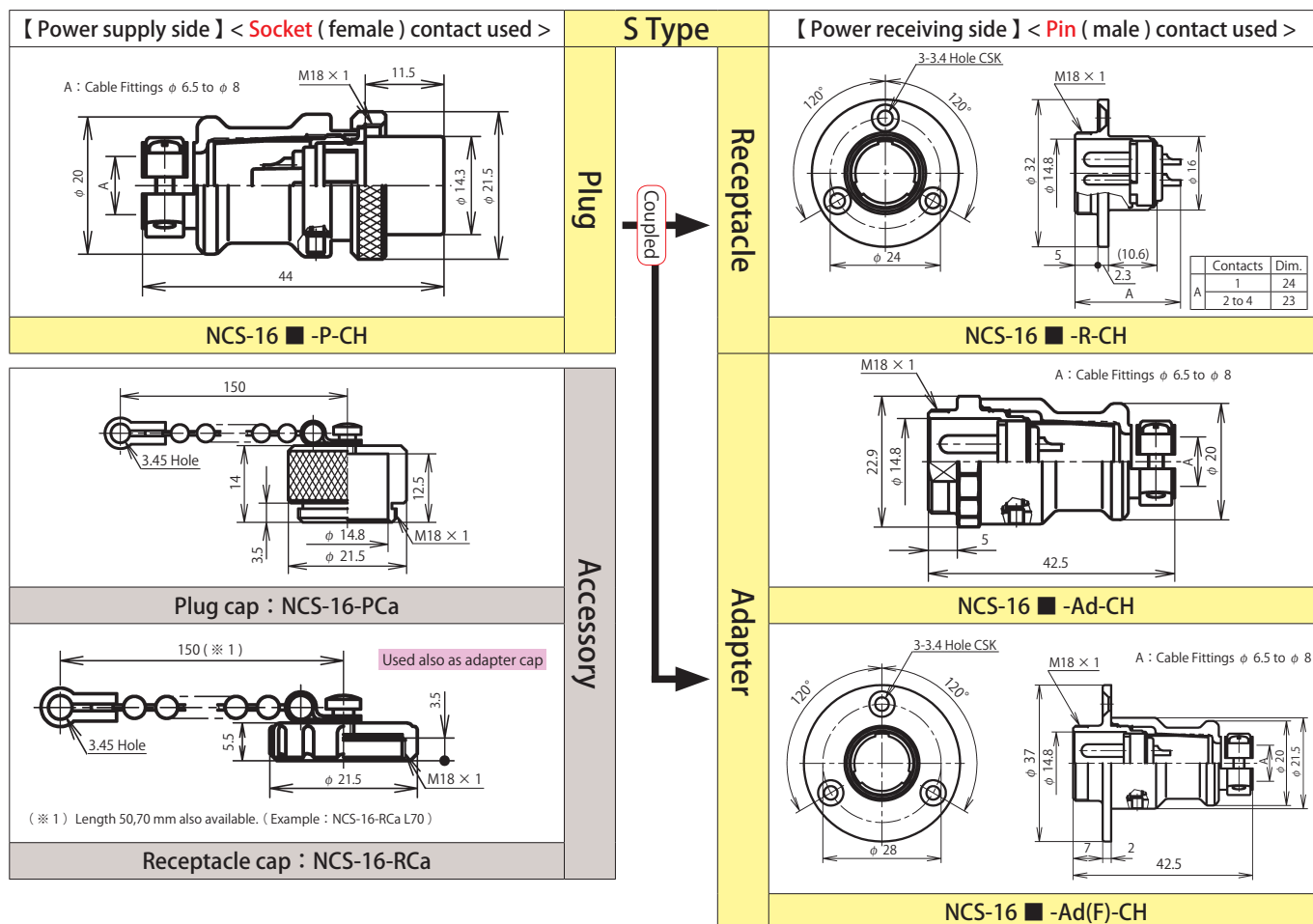


"-CH" is an additional symbol of renewed products. They are interchangeable with products before renewal.

■ indicates the number of contacts. The conductor cross sectional area is less than the following value.

Shell size	Number of Contacts	2	3
16	Contact arrangement <When viewed from the pin (male) contact coupling side>		
	Safety standard	—	
	Rating	125V 5A	
	Limit operating voltage (Note-1)	200V	
	Withstand voltage (V r.m.s.)	1,000	
	Wire size (mm ²)	0.75	

Note-1: For the limit operating voltage, see p.131.



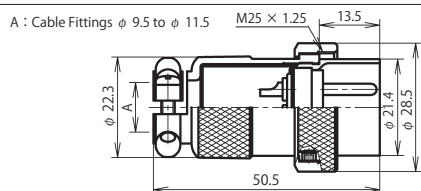
"-CH" is an additional symbol of renewed products. They are interchangeable with products before renewal.

■ indicates the number of contacts. The conductor cross sectional area is less than the following value.

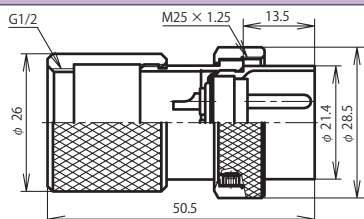
Shell size	Number of Contacts	1	2	3	4
16	Contact arrangement <When viewed from the pin (male) contact coupling side>				
	Safety standard	—			
	Rating	125V 10A	125V 5A		
	Limit operating voltage (Note-1)	200V			
	Withstand voltage (V r.m.s.)	1,000			
	Wire size (mm ²)	1.25	0.75		

Note-1 : For the limit operating voltage, see p.131.

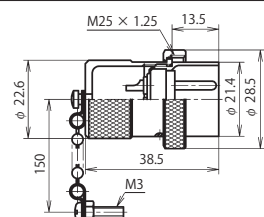
【 Power receiving side 】 < Pin (male) contact used >



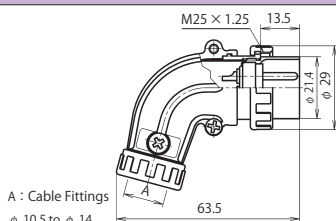
NCS-25 ■ -PM



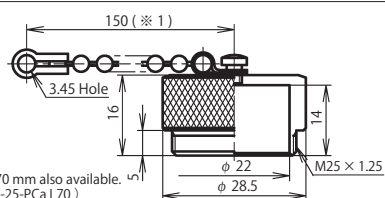
NCS-25 ■ -GPM 1/2 (Note)



NCS-25 ■ -SPM



NCS-25 ■ -LPM



Plug cap : NCS-25-PCa

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

G Type

Plug

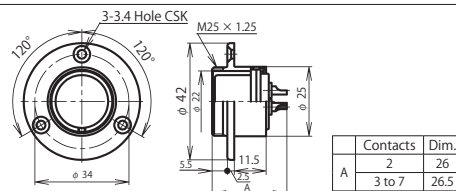


Coupled

Receptacle

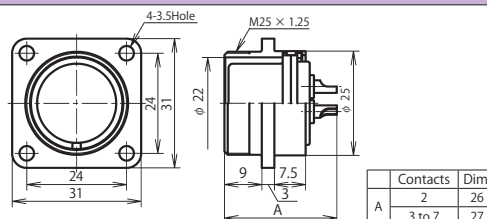
Adapter

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



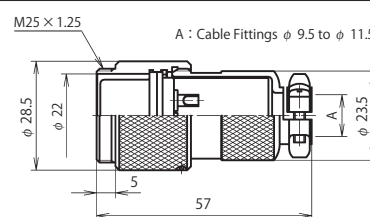
Contacts	Dim.
2	26
3 to 7	26.5

NCS-25 ■ -RF

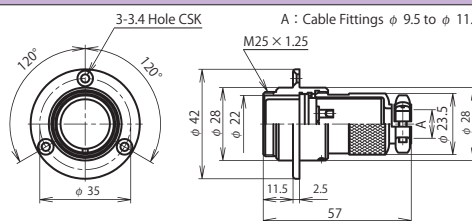


Contacts	Dim.
2	26
3 to 7	27

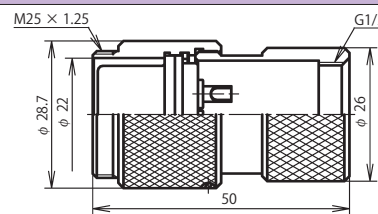
NCS-25 ■ -RF kaku



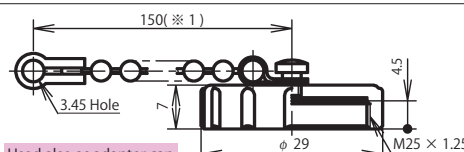
NCS-25 ■ -AdF



NCS-25 ■ -AdF(F)



NCS-25 ■ -GAdF1/2 (Note)



Receptacle cap : NCS-25-RCa

Accessory

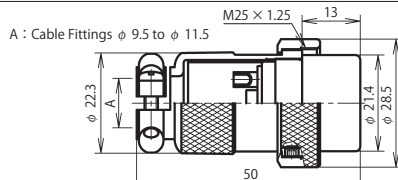
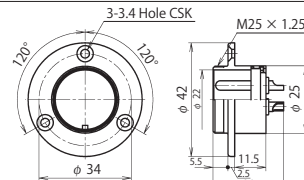
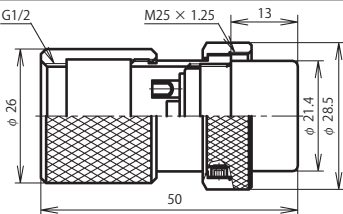
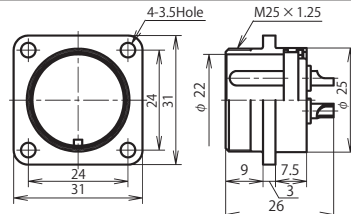
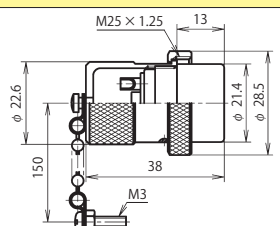
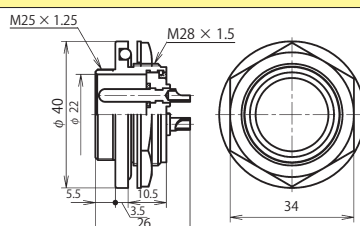
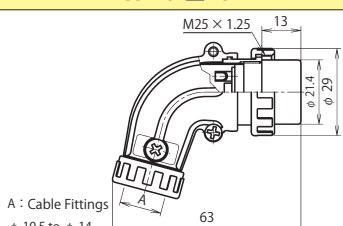
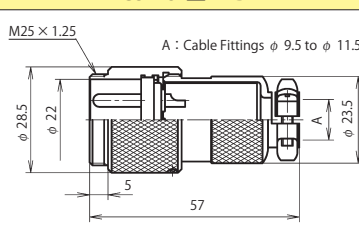
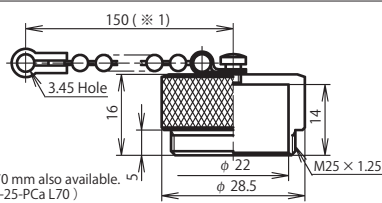
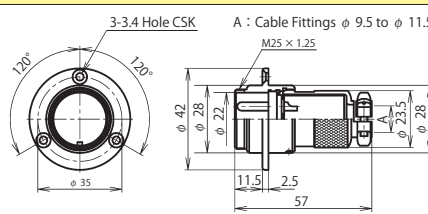
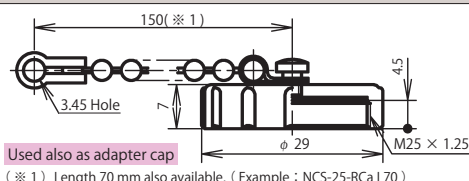
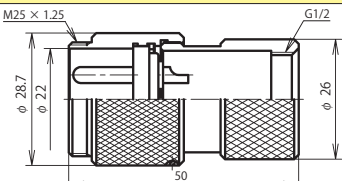
Note: We show sizes by the nominal "G(PF)" of parallel pipe threads. p.135

■ 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 <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 ²)	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 >	
 A : Cable Fittings ϕ 9.5 to ϕ 11.5		Receptacle	 3-3.4 Hole CSK	
NCS-25 ■ -P			NCS-25 ■ -R	
 G1/2			 4-3.5Hole	
NCS-25 ■ -GP 1/2 (Note)			NCS-25 ■ -R kaku	
 M3			 M28 $\times$ 1.5	
NCS-25 ■ -SP		Adapter	NCS-25 ■ -RBP	
 A : Cable Fittings ϕ 10.5 to ϕ 14			 A : Cable Fittings ϕ 9.5 to ϕ 11.5	
NCS-25 ■ -LP			NCS-25 ■ -Ad	
 3.45 Hole			 3-3.4 Hole CSK	
Plug cap : NCS-25-PCa			NCS-25 ■ -Ad(F)	
 Used also as adapter cap		Accessory	 G1/2	
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 <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 ²)	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.

NCS Series Shell Size 30

【 Power receiving side 】 < Pin (male) contact used >		G Type	【 Power supply side 】 < Socket (female) contact used >	
NCS-30 ■ -PM			NCS-30 ■ -RF	
NCS-30 ■ -GPM 1/2 (Note)			NCS-30 ■ -AdF	
NCS-30 ■ -SPM			NCS-30 ■ -AdF(F)	
Plug cap : NCS-30-PCa		Receptacle cap : NCS-30-RCa		

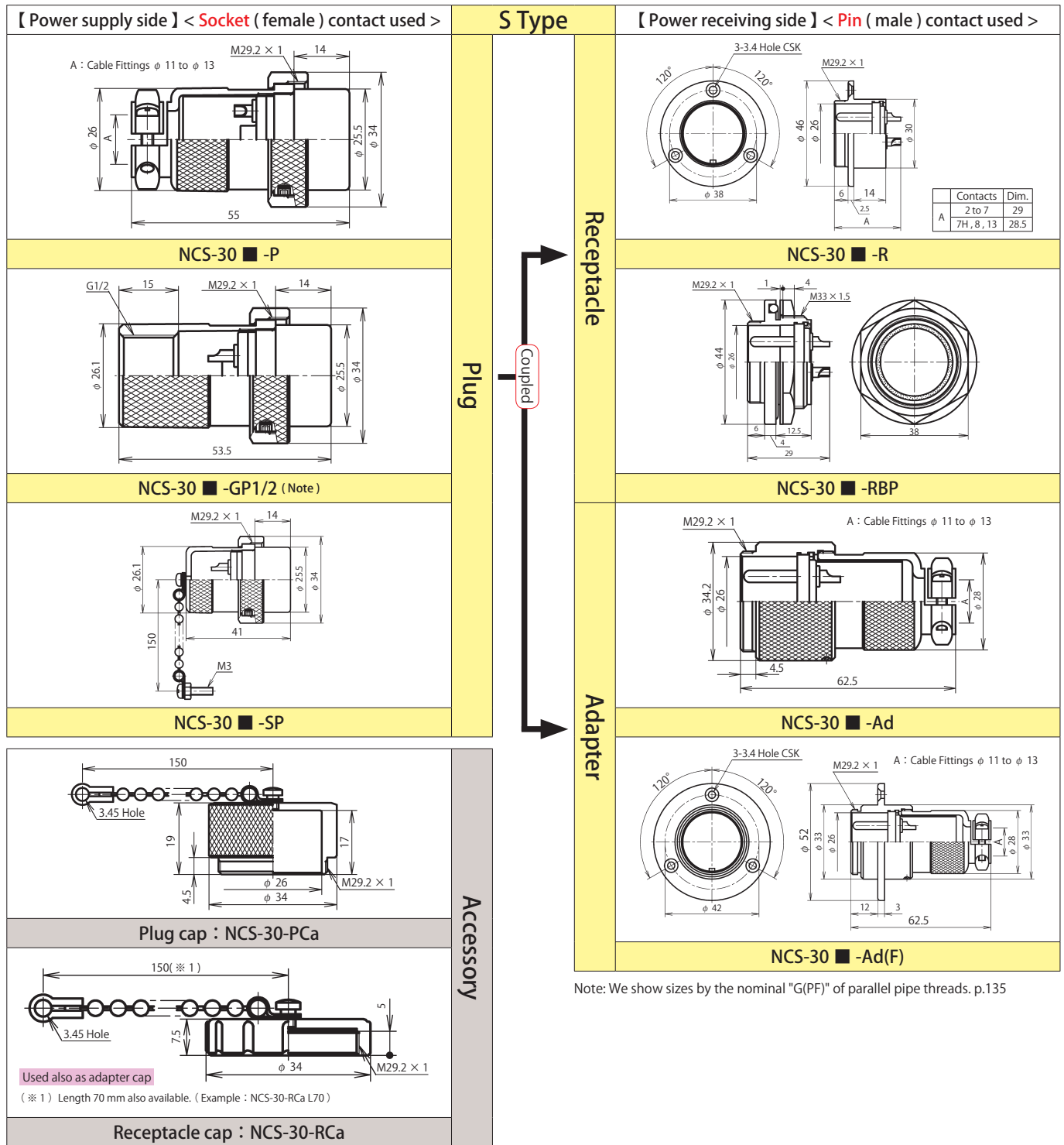
Note: We show sizes by the nominal "G(PF)" of parallel pipe threads. p.135

■ 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	8
30	Contact arrangement <When viewed from the pin (male) contact coupling side>						
	Safety standard (Note-1)	—	CSA NRTL/C	—	—	—	CSA NRTL/C
	Rating	250V 15A				250V 10A	250V 5A
	Limit operating voltage (Note-2)	400V				—	300V
	Withstand voltage (V r.m.s.)	2,000				1,800	
	Wire size (mm ²)	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.



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

■ indicates the number of contacts.

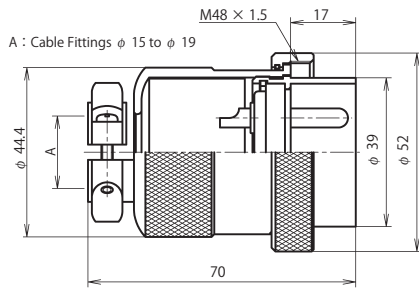
The conductor cross sectional area is less than the following value. However, for safety standard certified products, use a cable having a value shown on p.129.

[] : Gold plating contact

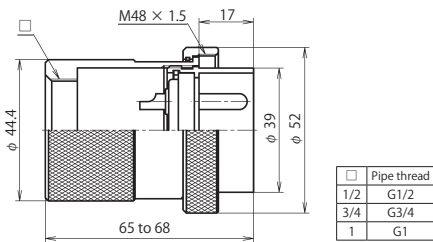
Shell size	Number of Contacts	2	3	4	5	6	7	7H	8	13
30	Contact arrangement <When viewed from the pin (male) contact coupling side>									
	Safety standard (Note-1)	—	CSA NRTL/C	—	—	—	—	—	CSA NRTL/C	—
	Rating	250V 15A						250V[7A]	250V10A	250V[5A]
	Limit operating voltage (Note-2)	400V						—	300V	—
	Withstand voltage (V r.m.s.)	2,000			1,800			1,500	1,800	1,500
	Wire size (mm ²)	3.5	2			1.25			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.

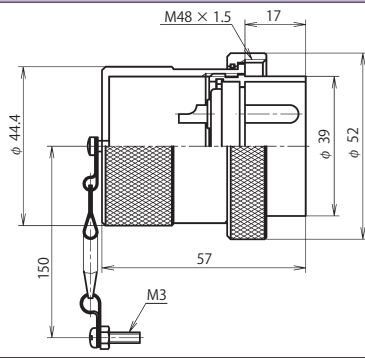
【 Power receiving side 】 < Pin (male) contact used >



NCS-44 ■ -PM



NCS-44 ■ -GPM □ (Note)

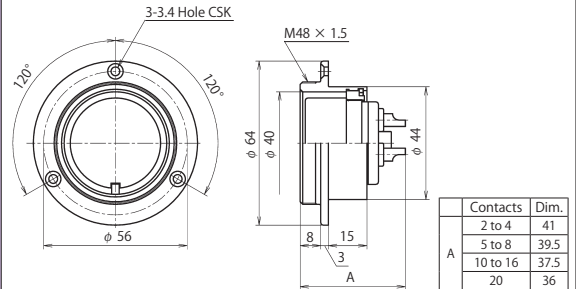


NCS-44 ■ -SPM

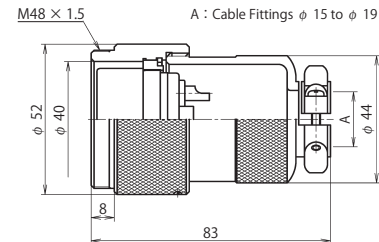
Note: We show sizes by the nominal "G(PF)" of parallel pipe threads. p.135

G Type

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

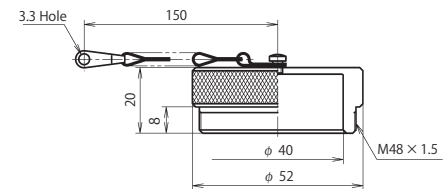


NCS-44 ■ -RF

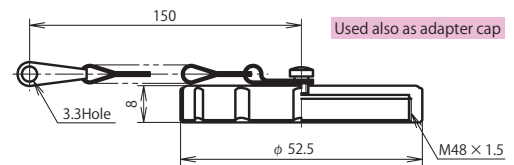


NCS-44 ■ -AdF

Accessory



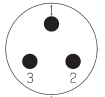
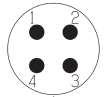
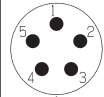
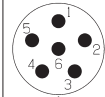
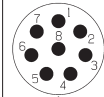
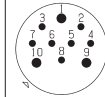
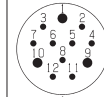
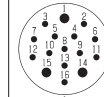
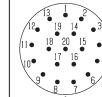
Plug cap : NCS-44-PCa



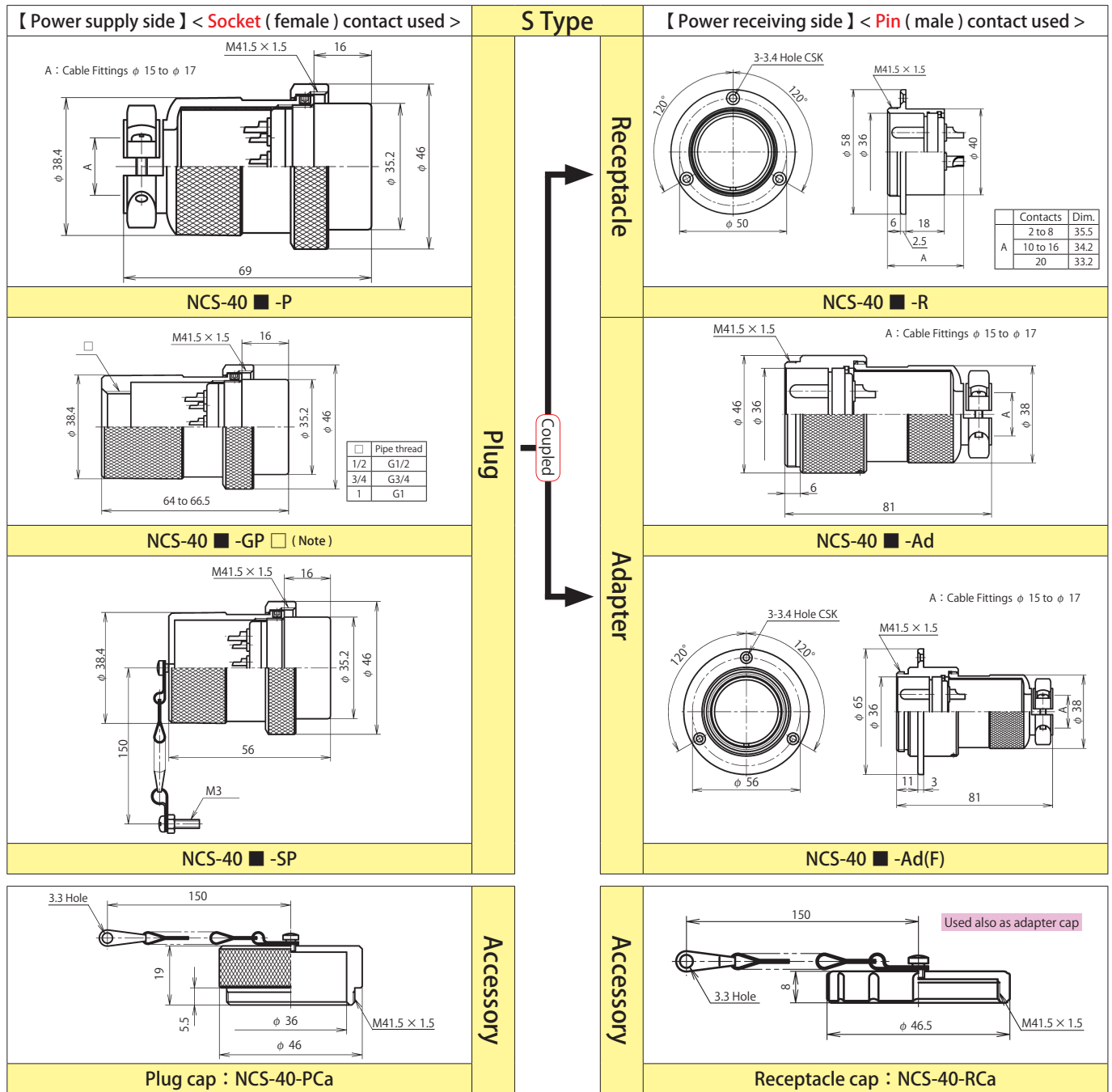
Receptacle cap : NCS-44-RCa

■ indicates the number of contacts.

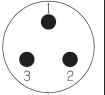
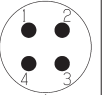
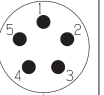
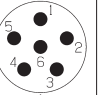
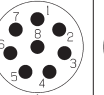
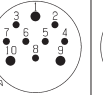
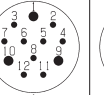
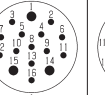
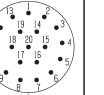
The conductor cross sectional area is less than the following value. However, for safety standard certified products, use a cable having a value shown on p.129.

Shell size	Number of Contacts	2	3	4	5	6	8	10	12	16	20	
44	Contact arrangement <When viewed from the pin (male) contact coupling side>											
	Safety standard (Note-1)	—					CSA NRTL/C	—		CSA NRTL/C		
	Rating	250V 30A			250V 20A			250V 3pcs=10A 7pcs= 5A	250V 3pcs=10A 9pcs= 5A	250V 3pcs=10A 13pcs= 5A	250V 5A	
	Limit operating voltage (Note-2)	500V			400V			300V				
	Withstand voltage (V r.m.s.)	2,500			2,000			1,800				
	Wire size (mm ²)	5.5						3pcs=2 7pcs=1.25	3pcs=2 9pcs=1.25	3pcs=2 13pcs=1.25	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.

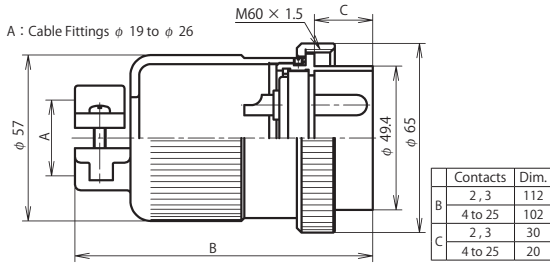


■ indicates the number of contacts.
The conductor cross sectional area is less than the following value. However, for safety standard certified products, use a cable having a value shown on p.129.

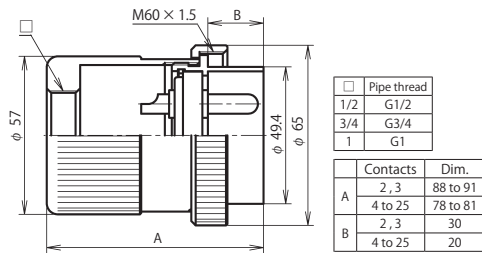
Shell size	Number of Contacts	2	3	4	5	6	8	10	12	16	20
40	Contact arrangement <When viewed from the pin (male) contact coupling side>										
	Safety standard (Note-1)	—					CSA NRTL/C	—	CSA NRTL/C		
	Rating	250V 30A			250V 20A			250V 3pcs=10A 7pcs= 5A	250V 3pcs=10A 9pcs= 5A	250V 3pcs=10A 13pcs= 5A	250V 5A
	Limit operating voltage (Note-2)	500V			400V			300V			
	Withstand voltage (V r.m.s.)	2,500			2,000			1,800			
	Wire size (mm ²)	5.5						3pcs=2 7pcs=1.25	3pcs=2 9pcs=1.25	3pcs=2 13pcs=1.25	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.

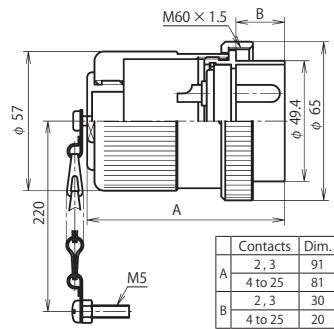
【 Power receiving side 】 < Pin (male) contact used >



NCS-54 ■ -PM



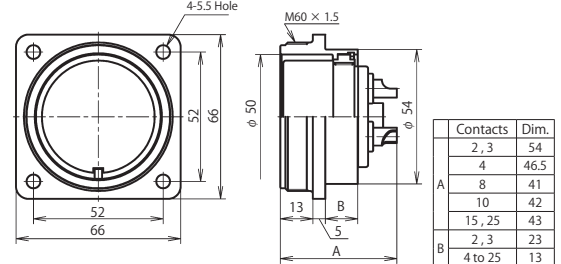
NCS-54 ■ -GPM □ (Note)



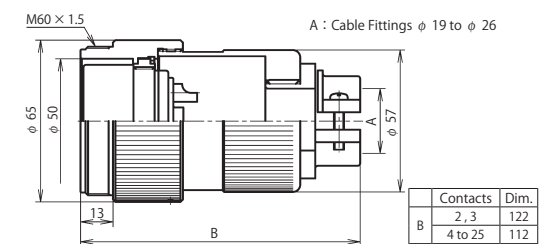
NCS-54 ■ -SPM

G Type

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



NCS-54 ■ -RF



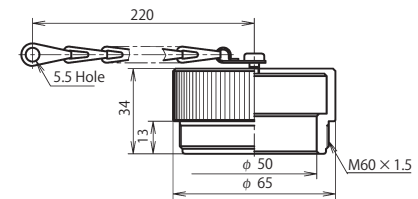
NCS-54 ■ -AdF

Plug

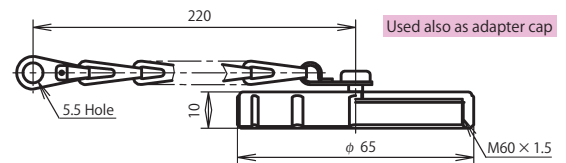
Coupled

Adapter

Accessory



Plug cap : NCS-54-PCa



Receptacle cap : NCS-54-RCa

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	8	10	15	25
54	Contact arrangement <When viewed from the pin (male) contact coupling side>							
	Safety standard (Note-1)	—					CSA NRTL/C	
	Rating	500V 80A		250V 50A	250V 25A	250V 20A	250V 15A	250V 4pcs=15A 21pcs= 5A
	Limit operating voltage (Note-2)	600V		500V	400V	300V		
	Withstand voltage (V r.m.s.)	3,000		2,500	2,000			1,800
	Wire size (mm ²)	30		14	3.5			4pcs=3.5 21pcs=2

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 >

Contacts	Dim.
2, 3	100
4 to 25	90
2, 3	30
4 to 25	20

NCS-50 ■ -P

Pipe thread	Contacts	Dim.
1/2 G1/2	2, 3	87 to 90
3/4 G3/4	4 to 25	77 to 80
1 G1	2, 3	30
	4 to 25	20

NCS-50 ■ -GP (Note)

Contacts	Dim.
2, 3	82
4 to 25	72
2, 3	30
4 to 25	20

NCS-50 ■ -SP

Plug cap : NCS-50-PCa

S Type

Receptacle

Adapter

Accessory

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

Contacts	Dim.
4	45
8, 10	42
15, 25	41

NCS-50 ■ -R Number of contacts 4 to 25
(Number of contacts 2 & 3 not available.)

Contacts	Dim.
2, 3	54
4	45
8, 10	42
15, 25	41
2, 3	24
4 to 25	15

The number of contacts 2 & 3 come with the [square flange] only. When both types of [round flange] and [square flange] exist, the shape symbol is "R kaku" for identification.

NCS-50 ■ -R Number of contacts 2 , 3
NCS-50 ■ -R kaku Number of contacts 4 to 25

Contacts	Dim.
2, 3	109
4 to 25	100

NCS-50 ■ -Ad

Receptacle cap : NCS-50-RCa

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

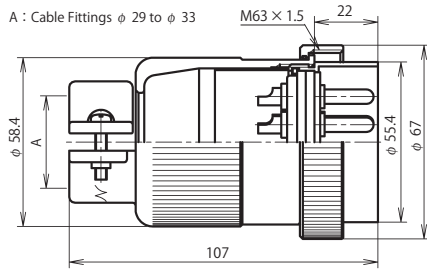
■ indicates the number of contacts.

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.

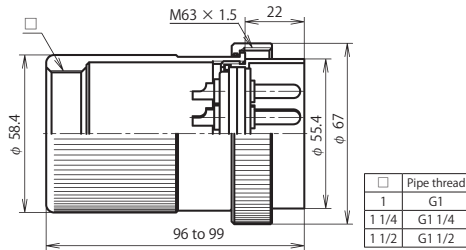
Shell size	Number of Contacts	2	3	4	8	10	15	25
50	Contact arrangement <When viewed from the pin (male) contact coupling side>							
	Safety standard (Note-1)	—					CSA NRTL/C	
	Rating	500V 80A		250V 50A	250V 25A	250V 20A	250V 15A	250V 4pcs=15A 21pcs= 5A
	Limit operating voltage (Note-2)	600V		500V	400V	300V		
	Withstand voltage (V r.m.s.)	3,000		2,500	2,000			1,800
	Wire size (mm ²)	30		14	3.5			4pcs=3.5 21pcs=2

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.

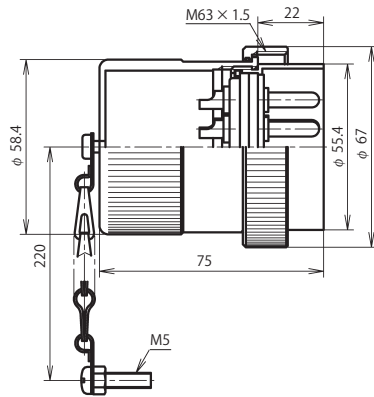
【 Power receiving side 】 < Pin (male) contact used >



NCS-60 ■ -PM



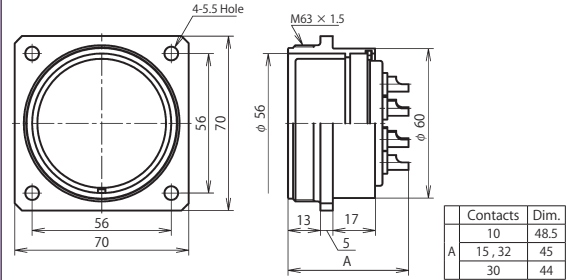
NCS-60 ■ -GPM □ (Note)



NCS-60 ■ -SPM

G Type

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



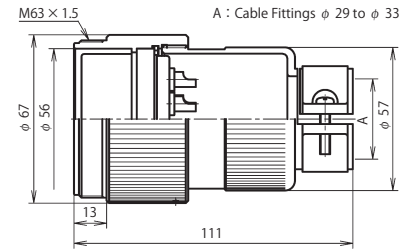
NCS-60 ■ -RF

Receptacle

Adapter

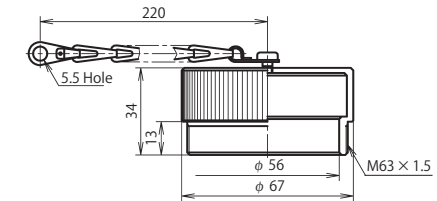
Plug

Coupled

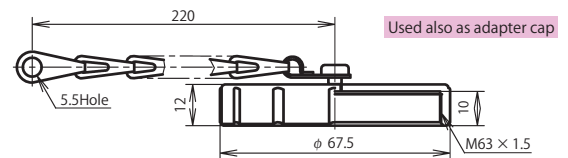


NCS-60 ■ -AdF

Accessory



Plug cap : NCS-60-PCa



Receptacle cap : NCS-60-RCa

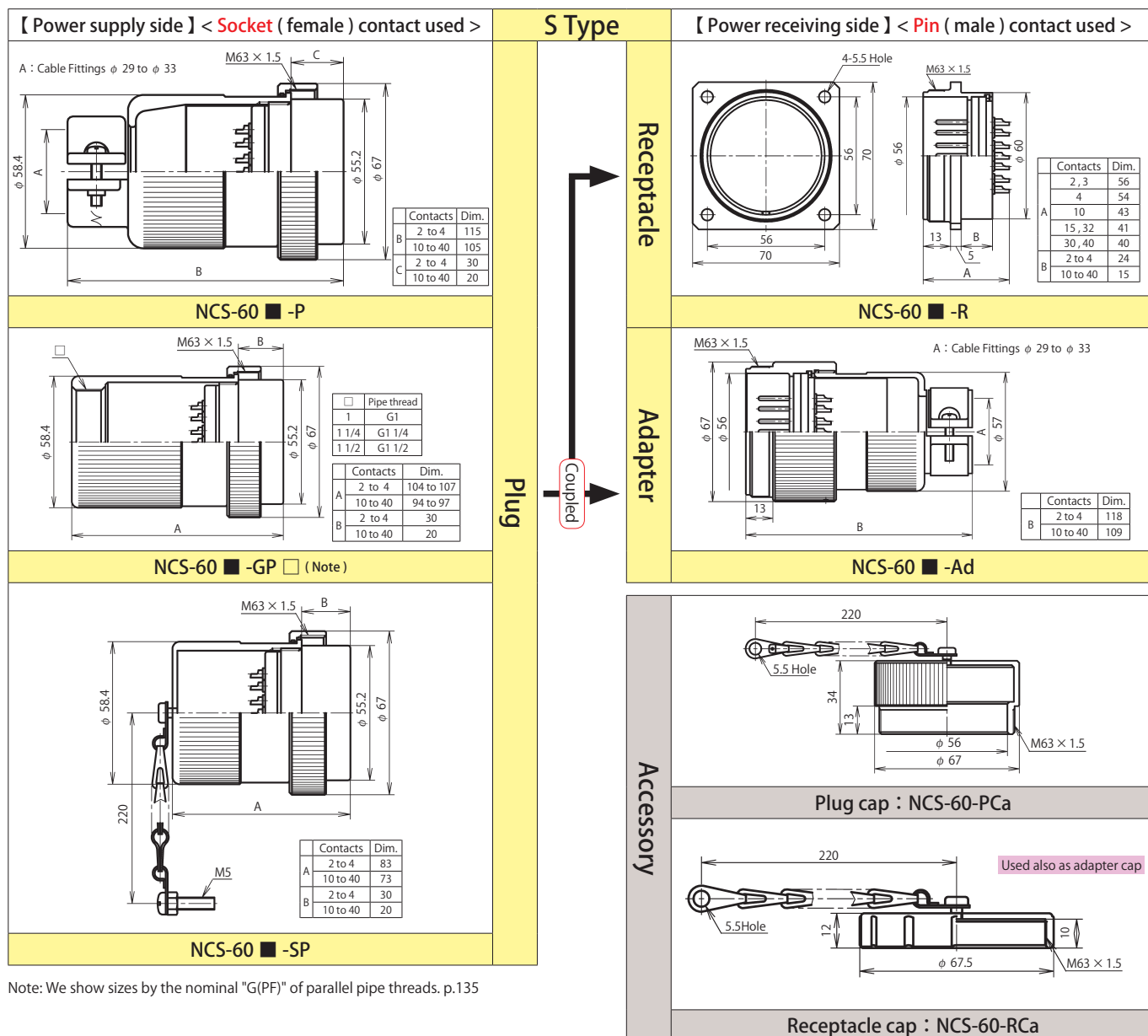
Note: We show sizes by the nominal "G(PF)" of parallel pipe threads. p.135

2-, 3- and 4-core types are available in Shell size 64.

■ indicates the number of contacts. The conductor cross sectional area is less than the following value.

Shell size	Number of Contacts	10	15	30	32
60	Contact arrangement <When viewed from the pin (male) contact coupling side>				
	Safety standard	—			
	Rating	250V 30A	250V 15A	250V 5A	250V 3pcs=15A 29pcs=5A
	Limit operating voltage (Note-1)	300V			
	Withstand voltage (V r.m.s.)	2,000		1,500	
	Wire size (mm ²)	8	3.5	2	3pcs=3.5 29pcs=2

Note-1: For the limit operating voltage, see p.131.



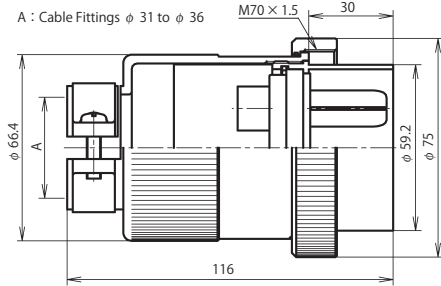
Note: We show sizes by the nominal "G(PF)" of parallel pipe threads. p.135

■ indicates the number of contacts. The conductor cross sectional area is less than the following value.

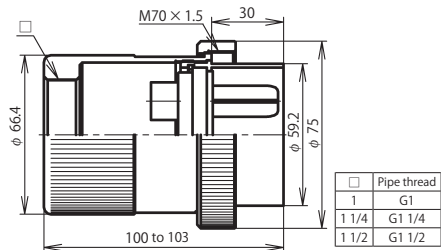
Shell size	Number of Contacts	2	3	4	10	15	30	32	40
60	Contact arrangement <When viewed from the pin (male) contact coupling side>								
	Safety standard	—							
	Rating	500V 150A		500V 80A	250V 30A	250V 15A	250V 5A	250V 3pcs=15A 29pcs=5A	250V 5A
	Limit operating voltage (Note-1)	600V				300V			
	Withstand voltage (V r.m.s.)	3,000			2,500		1,800		
	Wire size (mm ²)	50		30	8	3.5	2	3pcs=3.5 29pcs=2	2

Note-1 : For the limit operating voltage, see p.131.

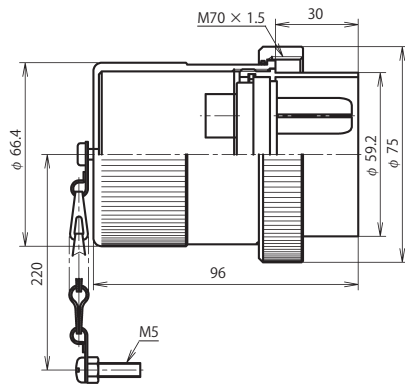
【 Power receiving side 】 < Pin (male) contact used >



NCS-64 ■ -PM



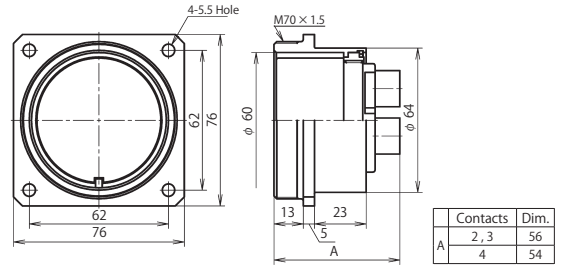
NCS-64 ■ -GPM □ (Note)



NCS-64 ■ -SPM

G Type

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

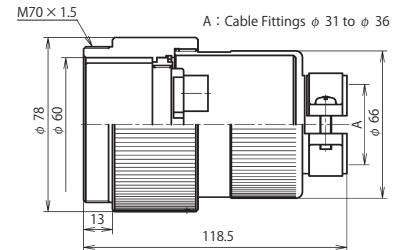


NCS-64 ■ -RF

Receptacle

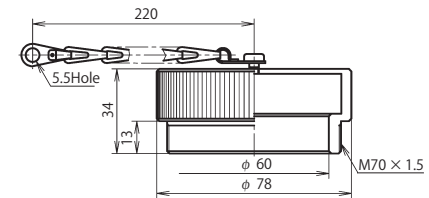
Adapter

Plug

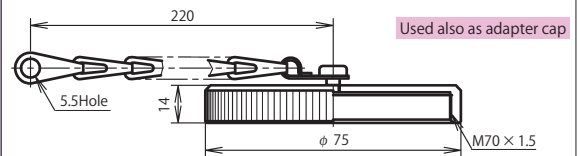


NCS-64 ■ -AdF

Accessory



Plug cap : NCS-64-PCa



Receptacle cap : NCS-64-RCa

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.

Shell size	Number of Contacts	2	3	4
64	Contact arrangement <When viewed from the pin (male) contact coupling side>			
	Safety standard	—		
	Rating	500V 150A		500V 80A
	Limit operating voltage (Note-1)	600V		
	Withstand voltage (V r.m.s.)	3,000		
	Wire size (mm ²)	50		30

Note-1 : For the limit operating voltage, see p.131.