

NANABOSHI



NCS Series Connectors



NJC Series Connectors



NET Series Connectors



NR Series Connectors



NEW Series Connectors



NT Series Connectors



NJW Series Connectors



NHVC Series Connectors



NRW Series Connectors



NMI Series Connectors



NWPC Series Connectors



R Series Connectors

Advantages of Using Connectors

- Safety** : Connectors provide reliable electrical connection.
Connectors ensure proper wiring.
- Operability** : Connectors are repetitively detachable and attachable.
Connectors make equipment-to-equipment connection easy.
- Economy** : Connectors enable the unitization of devices.
Connectors facilitate maintenance and inspection.
Connectors shorten work time.

Precautions

1. When Selecting Connectors

- Choose one which meets your voltage and current requirements.
- Choose one which is suitable for your method of use, place of use and environment.
- Choose one which has a socket insert incorporated on the power supply side.
- Choose a waterproof cable packing which is suitable for The cable to use. (The waterproof connector is resistant to water when connected.)
- Please ask for "wire connecting method" instructions if such are necessary, as we have separately prepared them.
Never modify the connector: otherwise, it may not perform as intended.

2. When Using Connectors

- Be sure to use the connector below its rating.
- Never insert or pull out the connector when in conduction. It is very dangerous practice.
- Never insert or pull out the connector with wet hands. It is very dangerous practice.
- Insert or pull out the connector straight.
- Do not use the connector with damaged insulator or cover.
- Do not use the connector with deformed or damaged contact.

3. When Ordering Connectors

- When there is an intrinsic quality assurance program for the industrial field being used, or an advanced application, such as a nuclear power control system, aerospace equipment, submarine relay, and medical life support instruments, equipment, or systems then please consult the manufacturer ahead of time.

When using products listed in this catalog, follow applicable laws and regulation (Fire Services Acts, Safety and Sanitary Act, etc.)

* Please understand that this catalog may change without any advance notice.

<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>

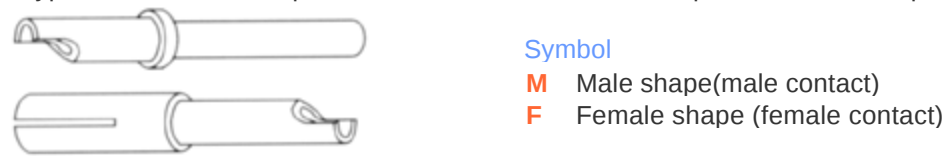
Plugs with pin insert incorporated		PM, LPM, GPM, SPM
Receptacles with socket insert incorporated		RF, RF(Square), CRF
Adapters with socket insert incorporated		AdD, Ad(F)F

* 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.



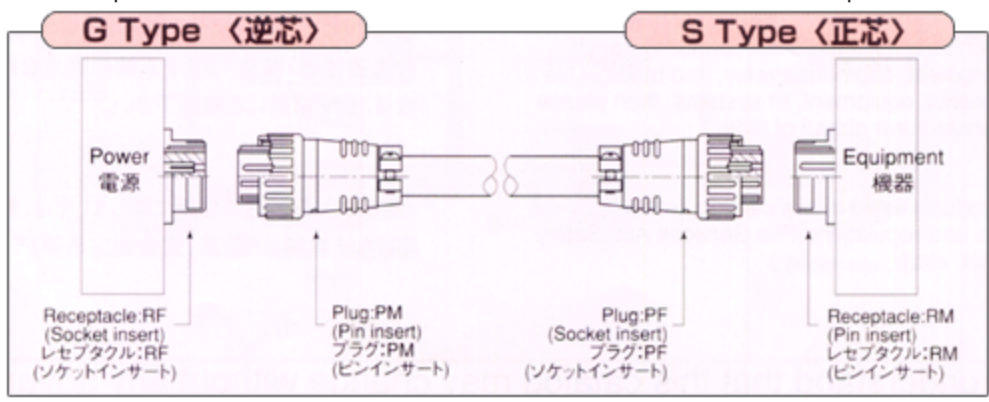
(Inserts)

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



A female contact incorporated into an insulator.

A male contact incorporated into an insulator.



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

Overseas standardized acquisition connectors

UL and CSA standardized acquisition connectors (UL・CSA)

- Underwriters Laboratorid Inc UL 1977 approved.
- Canadian Standards Association C22. 2No. 182. 3 approved.

General purpose type : NJC NR NET
Waterproof type : NJW NRW NEW

Series designation	Shell size	Number of contacts	Rating of electricity				Rating of voltage
			5A	10A	15A	20A	
NJC NJW	16	3		○			125V
		5	○				
NJC NR NJW NRW	20	2				○	250V
		3				○	
		4		○			
		5		○			
		7		○			
		10	○				
		12	○				
NJC NJW NRW	24	2				○	
		3				○	
		4			○		
		5			○		
		10		○			
		14	○				
		16	○				
NET NEW	24	3				○	
		4			○		
NJC NJW NRW	28	16		○			
		24	○				
NET NEW	28	4				○	
		8			○		

*NJW NRW : Some products haven't obtained due to the diameter. (packing)

UL and CSA standardized acquisition connectors (UL · CSA)

• [DIN VDE 0627] TÜV Rheinland
NET NJC NR : Protection degree IP 4X

NEW NRW : Protection degree IP 67

Series designation	Shell size	Number of contacts	Rating of electricity				Rating of voltage
			10A	15A	20A	30A	
NJC	20	2		O			250V
		3		O			
		4	O				
	24	2				O	
		3				O	
		4		O			
		5		O			
	32	3				O	
		4				O	
NR	20	2		O			
		3		O			
		4	O				
	24	2				O	
		3				O	
		4		O			
NRW	20	5		O			
		2		O			
		3		O			
		4	O				
	24	5	O				
		2				O	
		3				O	
		4		O			
NET NEW	24	5		O			
		3			O		
	28	4		O			
		8		O	O		
NET	32	3				O	
		4				O	

NET



NET Series Connectors

NET 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
- 5. Coupling to quick lock structure [NEW]

NET

- Material and Finish

	Material	Finish
Shell	Zinc alloy	Crape chrome plating
	Aluminum alloy	
Insulator	Synthetic resin	
Contact	Copper alloy	Silver plating

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

Plug



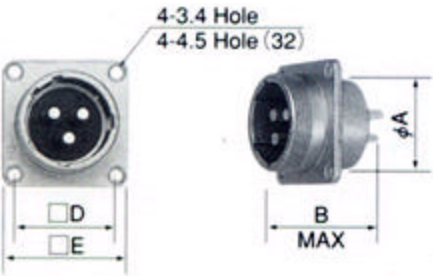
PF

S Type	*Number of contacts	A	B
NEW -24*-PF	3, 4	30	54
NEW -28*-PF	4, 8	34	57.2
NEW -32*-PF	3, 4	44	83

PM

G Type	*Number of contacts	A	B
NEW -24*-PF	3, 4	30	54
NEW -28*-PF	4, 8	34	57.2
NEW -32*-PF	3, 4	44	83

Receptacle



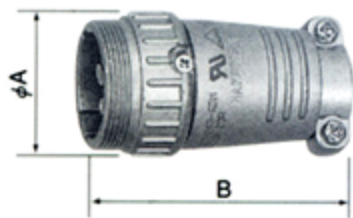
RM

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	54	26	32
NET -28*-RF	4, 8	28	57.2	29	35
NET -32*-RF	3, 4	32	83	36	45

Adapter (Jack)



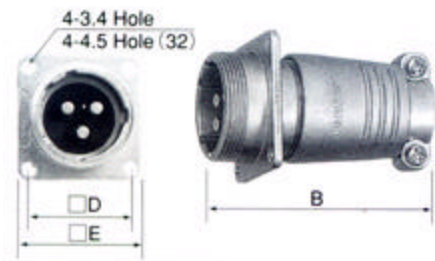
AdM

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

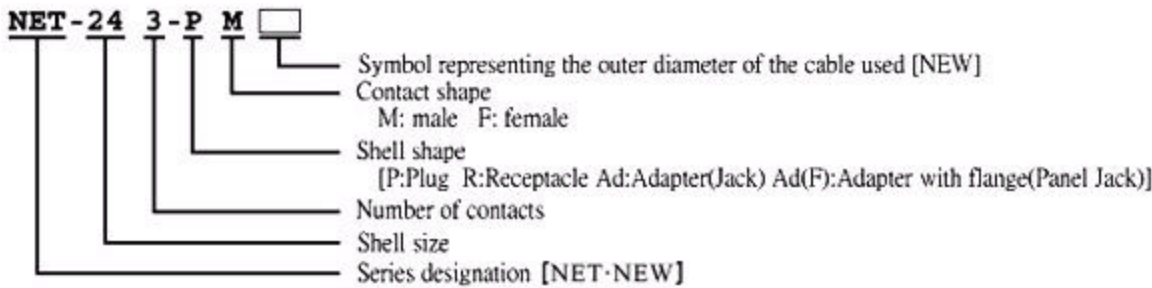
S Type	*Number of contacts	B	D	E
NET -24*-Ad(F)M	3, 4	54.3	26	32
NET -28*-Ad(F)M	4, 8	57	29	35
NET -32*-Ad(F)M	3, 4	83.5	36	45

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 TÜVcertified 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>

Order Cording



NEW • Material and Finish

	Material	Finish
Shell	Synthetic resin	_____
Insulator	Synthetic resin	_____
Contact	Copper alloy	Silver plating
Packing	Synthetic rubber	_____

- Coupling : Quick Lock
- Insertion : Attack 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

Plug



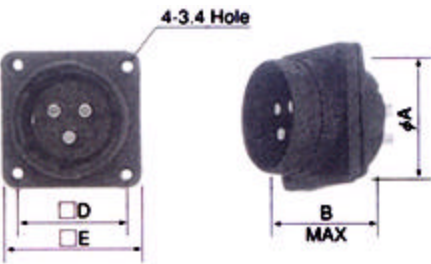
PF

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

PM

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

Receptacle



RM

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

RF

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

Adapter (Jack)



AdM

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

AdF

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

*RCa AdCa : Protection degree IP 54

☐ Symbol representing the outer diameter of the cable used.

Shell size	Symbol ☐	Outer diameter of cable used
24	* 8	φ 6.8~ 8.0
	11	φ 9.5~11.0
	13	φ11.1~13.0
	15	φ13.1~15.0
28	10	φ 9.0~10.9
	12	φ11.0~12.4
	14	φ12.5~14.0
	16	φ14.1~16.0
	18	φ16.1~18.0

*TÜV is not acquired

number of contacts 1

number of contacts	shell size	series	water proof	contact arrangement	rating	withstand voltage (KV)	insulation resistance (more than MW)	contact resistance (less than MW)	A.W.G (mm ²)	outer diameter of cable used (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	2.5	3,000	* 1	-----	φ 25.0~39.0
					600V				(100~250)	

* 1 : voltage drop of contact less than 20mV [for electricity of rating]

number of contacts 2

number of contacts	shell size	series	water proof	contact arrangement	rating	withstand voltage (KV)	insulation resistance (more than M $\bar{W}$)	contact resistance (less than M $\bar{W}$)	A.W.G (mm ²)	outer diameter of cable used (mm)
2	14 (S Type)	NCS	-		5A	1	2,000	3	#18	φ 5.5~ 7.0
		NWPC	O		125V				(0.75)	φ 5.5~ 8.0
	16 (S Type)	NCS	-		5A	1	2,000	3	#18	φ 6.5~ 8.0
		NWPC	O		125A				(0.75)	φ 4.5~ 10.0
	16 (G Type)	NCS	-		5A	1	2,000	3	#18	φ 6.5~ 8.0
		NWPC	O		125V				(0.75)	φ 4.5~ 10.0
	20	NJC	-		15A	1.5	2,000	3	#14	φ 10.0~12.5
		NR	-		250V				(2)	φ 5.5~ 6.3 φ 7.0~12.5
		NJW	O							
		NRW	O							
	24	NJC	-		20A	1.5	5,000	3	#12	φ 11.5~14.0
		NR	-		250V		2,000		(3.5)	φ 6.8~8.0 φ 9.5~15.0
		NJW	O							
		NRW	O							
	25	NCS	-		10A	2	2,000	3	#14	φ 9.5~11.5
		NWPC	O		250V				(2)	φ 6.5~14.0
	30 (S Type)	NCS	-		15A	2	2,000	3	#12	φ 11.0~13.0
		NWPC	O		250V				(3.5)	φ 8.0~18.0
	30 (G Type)	NCS	-		15A	2	2,000	3	#14	φ 11.0~13.0
		NWPC	O		250V				(2)	φ 8.0~18.0
	40 (S Type)	NCS	-		30A	2.5	2,000	3	#10	φ 15.0~17.0
		NWPC	O						(5.5)	φ 11.0~24.0
	44 (G Type)	NCS	-							φ 15.0~19.0
		NWPC	O							φ 11.0~24.0

* 1 : voltage drop of contact less than 20mV [for electricity of rating]

number of contacts 2

number of contacts	shell size	series	water proof	contact arrangement	rating	withstand voltage (KV)	insulation resistance (more than M ^W)	contact resistance (less than M ^W)	A.W.G (mm ²)	outer diameter of cable used (mm)				
2	50 (S Type)	NCS	-		80A	3	5,000	1	#2 (30)	φ 19.0~23.0				
		NWPC	O							φ 15.0~28.0				
	54 (G Type)	NCS	-		500V					φ 19.0~26.0				
		NWPC	O							φ 15.0~28.0				
	60 (S Type)	NCS	-		150A	3	5,000	1	#0 (50)	φ 29.0~33.0				
		NWPC	O							φ 21.0~38.0				
	64 (G Type)	NCS	-		500V					φ 31.0~36.0				
		NWPC	O							φ 21.0~38.0				

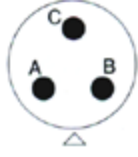
* 1 : voltage drop of contact less than 20mV [for electricity of rating]

number of contacts	shell size	series	water proof	contact arrangement	rating	withstand voltage (KV)	insulation resistance (more than M ^W)	contact resistance (less than M ^W)	A.W.G (mm ²)	outer diameter of cable used (mm)
3	16	NJC	-		10A 125V	1.5	2,000	3	#16 (1.25)	φ 7.0~8.5
		NJW	O							φ 4.0~4.8 φ 5.7~6.8 φ 8.0~11.0
		NCS	-		5A 125V	1	2,000	3	#18	φ 6.5~ 8.0
		NWPC	O						(0.75)	φ 4.5~10.0
	20	NJC	-		15A 250V	1.5	2,000	3	#14 (2)	φ 10.0~12.5
		NR	-							φ 5.5~6.3
		NJW	O							φ 7.0~12.5
		NRW	O							φ 7.0~12.5
	24	NJC	-		20A 250V	1.5	5,000	3	#12 (3.5)	φ 11.5~14.0
										φ 6.8~ 8.0
		NJW	O				2,000			φ 9.5~15.0
		NRW	O							
		NET	-		20A 250V	1.5	2,000	3	#12 (3.5)	φ 11.5~14.0
		NEW	O							φ 6.8~ 8.0 φ 9.5~15.0
	25	NCS	-		10A 250V	2	2,000	3	#14 (2)	φ 9.5~11.5
		NWPC	O							φ 6.5~14.0
	30	NCS	-		15A 250V	2	2,000	3	#14 (2)	φ 11.0~13.0
		NWPC	O							φ 8.0~18.0
	40 (S Type)	NCS	-		30A 250V	2.5	2,000	3	#10 (5.5)	φ 15.0~17.0
		NWPC	O							φ 11.0~24.0
	44 (G Type)	NCS	-							φ 15.0~19.0
		NWPC	O							
	50 (S Type)	NCS	-		80A 500V	3	5,000	1	#2 (30)	φ 19.0~23.0
		NWPC	O							φ 15.0~28.0
54 (G Type)	NCS	-	φ 19.0~26.0							
	NWPC	O	φ 15.0~28.0							

* 1 : voltage drop of contact less than 20mV [for electricity of rating]

Classify by number of contacts

number of contacts 3

number of contacts	shell size	series	water proof	contact arrangement	rating	withstand voltage (KV)	insulation resistance (more than M ^W)	contact resistance (less than M ^W)	A.W.G (mm ²)	outer diameter of cable used (mm)
3	60 (S Type)	NCS	-		150A 500V	3	5,000	1	#0 (50)	φ 29.0~33.0
		NWPC	O							φ 21.0~38.0
	64 (G Type)	NCS	-							φ 31.0~36.0
		NWPC	O							φ 21.0~38.0
	90	NMI	O		200A 600V	2.5	5,000	* 1	#1~2/0 (38~60)	φ 37.0~48.0
	120	NMI	O		300A 600V	2.5	5,000	* 1	----- (60~150)	φ 45.0~71.0

* 1 : voltage drop of contact less than 20mV [for electricity of rating]

number of contacts 4

number of contacts	shell size	series	water proof	contact arrangement	rating	withstand voltage (KV)	insulation resistance (more than M ^W)	contact resistance (less than M ^W)	A.W.G (mm ²)	outer diameter of cable used (mm)
4	16 (S Type)	NCS	-		5A	1	2,000	3	#18	φ 6.5~ 8.5
		NWPC	O		125V				(0.75)	φ 4.5~ 10.0
	20	NJC	-		10A	1.5	2,000	3	#16	φ 10.0~12.5
		NR	-		250V				(1.25)	φ 5.5~ 6.3
		NJW	O							φ 7.0~12.5
		NRW	O							
	24	NJC	-		15A	1.5	5,000	3	#14	φ 11.5~14.0
					250V				(2)	φ 6.8~8.0
		NJW	O		2,000		φ 9.5~15.0			
		NRW	O							
		NET	-		15A	1.5	2,000	3	#14	φ 11.5~14.0
		NEW	O		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	O		250V				(2)	φ 6.5~14.0
	28	NET	-		20A	1.5	2,000	3	#12	φ 13.6~16.5
		NEW	O		250V				(3.5)	φ 9.0~18.0
	30	NCS	-		15A	2	2,000	3	#14	φ 11.0~13.0
		NWPC	O		250V				(2)	φ 8.0~18.0
	40 (S Type) 44 (G Type)	NCS	-		30A	2.5	2,000	3	#10 (5.5)	φ 15.0~17.0
		NWPC	O		250V					φ 11.0~24.0
		NCS	-							φ 15.0~19.0
		NWPC	O							φ 11.0~24.0

* 1 : voltage drop of contact less than 20mV [for electricity of rating]

* 2 : voltage drop of contact less than 15mV [for electricity of rating]

* 4 : Movable Cable : 50 to 80 mm², AWG# 0 to 3/0

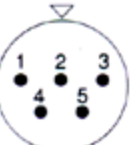
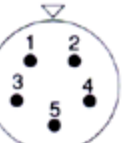
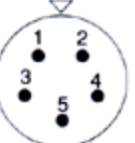
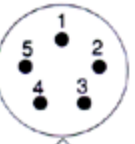
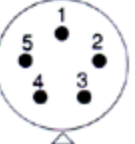
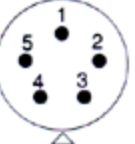
number of contacts 4

number of contacts	shell size	series	water proof	contact arrangement	rating	withstand voltage (KV)	insulation resistance (more than M ^W)	contact resistance (less than M ^W)	A.W.G (mm ²)	outer diameter of cable used (mm)
4	50	NT	O		30A 600V	3	5,000	3	#8 (8)	φ 8.0~24.0
	50 (S Type)	NCS	-		50A 250V	2.5	2,000	3	#5 (14)	φ 19.0~23.0
		NWPC	O							φ 15.0~28.0
	54 (G Type)	NCS	-							φ 19.0~26.0
		NWPC	O							φ 15.0~28.0
	60 (S Type)	NCS	-		80A 500V	3	5,000	1	#2 (30)	φ 29.0~33.0
		NWPC	O							φ 21.0~38.0
	64 (G Type)	NCS	-							φ 31.0~36.0
		NWPC	O							φ 21.0~38.0
	75	R	O		200A 600V	2.5	5,000	* 2	#1~4/0 (38~100) *4	φ 38.0~60.0
	90	NMI	O		200A 600V	2.5	5,000	*1	#2~2/0 (30~60)	φ 37.0~48.0
		NHVC	O		80A 3.3KV	16	-	*2	#6~4 (11~22)	φ 37.0~48.0
	120	NHVC	O		200A 3.3KV	20	-	*1	#4~3/0 (22~80)	φ 45.0~71.0
	200	NHVC	O		350A 6.6KV	35	-	*1	----- (22~150)	φ 51.0~93.0

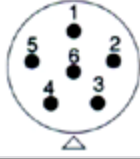
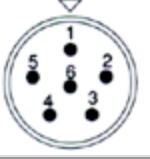
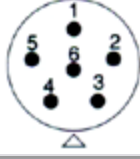
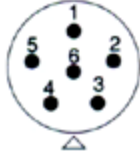
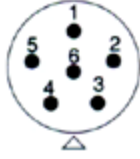
* 1 : voltage drop of contact less than 20mV [for electricity of rating]

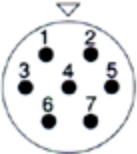
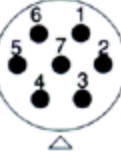
* 2 : voltage drop of contact less than 15mV [for electricity of rating]

* 4 : Movable Cable : 50 to 80 mm², AWG# 0 to 3/0

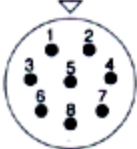
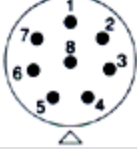
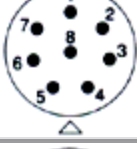
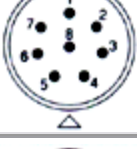
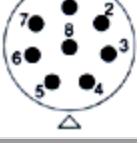
number of contacts	shell size	series	water proof	contact arrangement	rating	withstand voltage	insulation resistance	contact resistance (less than M ^W)	A.W.G (mm ²)	outer diameter of cable used (mm)
5	16	NJC	-		5A 125V	1	1,000	5	#20 (0.5)	φ 7.0~ 8.5
		NJW	O							φ 4.0~ 4.8 φ 5.7~ 6.8 φ 8.0~11.0
	20	NJC	-		10A 250V	1.5	2,000	3	#16 (1.25)	φ 10.0~12.5
		NR	-							
		NJW	O							φ 5.5~ 6.3
		NRW	O							φ 7.0~12.5
	24	NJC	-		15A 250V	1.5	5,000	3	#14 (2)	φ 11.5~14.0
		NJW	O				φ 6.8~ 8.0			
		NRW	O				φ 9.5~15.0			
	25 (S Type)	NCS	-		10A 250V	1.8	2,000	3	#16 (1.25)	φ 9.5~11.5
		NWPC	O							φ 6.5~14.0
	30	NCS	-		15A 250V	1.8	2,000	3	#14 (2)	φ 11.0~13.0
		NWPC	O							φ 8.0~18.0
	40 (S Type)	NCS	-		20A 250V	2	2,000	3	#10 (5.5)	φ 15.0~17.0
		NWPC	O							φ11.0~24.0
44 (G Type)	NCS	-		250V	2	2,000	3	(5.5)	φ 15.0~19.0	
	NWPC	O							φ 11.0~24.0	

number of contacts 6

number of contacts	shell size	series	water proof	contact arrangement	rating	withstand voltage	insulation resistance	contact resistance (less than M^W)	A.W.G (mm ²)	outer diameter of cable used (mm)
6	25 (S Type)	NCS	-		10A 250V	1.8	2,000	3	#14	φ 9.5~11.5
		NWPC	O						(2)	φ 6.5~14.0
	25 (G Type)	NCS	-		5A 250V	1.8	2,000	3	#16	φ 9.5~11.5
		NWPC	O						(1.25)	φ 6.5~14.0
	30 (S Type)	NCS	-		15A 250V	1.8	2,000	3	#14	φ 11.0~13.0
		NWPC	O						(2)	φ 8.0~18.0
	30 (G Type)	NCS	-		10A 250V	1.8	2,000	3	#14	φ 11.0~13.0
		NWPC	O						(2)	φ 8.0~18.0
	40 (S Type)	NCS	-		20A 250V	2	2,000	3	#10	φ 15.0~17.0
		NWPC	O							φ 11.0~24.0
	44 (G Type)	NCS	-		20A 250V	2	2,000	3	#10	φ 15.0~19.0
		NWPC	O						(5.5)	φ 11.0~24.0

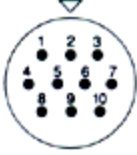
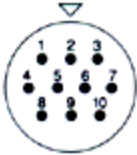
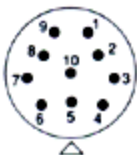
number of contacts	shell size	series	water proof	contact arrangement	rating	withstand voltage	insulation resistance	contact resistance (less than M ^W)	A.W.G (mm ²)	outer diameter of cable used (mm)
7	20	NJC	-		10A 250V	1	2,000	3	#16 (1.25)	φ 10.0~12.5
		NR	-							
		NJW	O							φ 5.5~ 6.3
		NRW	O							φ 7.0~12.5
	25 (S Type)	NCS	-		10A 250V	1.8	2,000	3	#14 (2)	φ 9.5~11.5
		NWPC	O							φ 6.5~14.0
	25 (G Type)	NCS	-		10A 250V	1.8	2,000	3	#16 (1.25)	φ 9.5~11.5
		NWPC	O							φ 6.5~14.0
	30 (7H)	NCS	-		7A 250V	1.5	2,000	3	#16 (1.25)	φ 11.0~13.0
		NWPC	O							φ 8.0~18.0
	30 (S Type)	NCS	-		7A 250V	1.8	2,000	3	#14 (2)	φ 11.0~13.0
		NWPC	O							φ 8.0~18.0

number of contacts 8

number of contacts	shell size	series	water proof	contact arrangement	rating	withstand voltage	insulation resistance	contact resistance (less than M ^W)	A.W.G (mm ²)	outer diameter of cable used (mm)
8	16	NJC	-		3A *3 125V	0.5	1,000	5	#22 (0.3)	φ 7.0~8.5
		NJW	O							φ 4.0~4.8 φ 5.7~6.8 φ 8.0~11.0
	25 (S Type)	NCS	-		5A 250V	1.8	2,000	3	#16 (1.25)	φ 9.5~11.5
		NWPC	O							φ 6.5~14.0
	28	NET	-		15A 250V	1.5	2,000	3	#14 (2)	φ 13.6~16.5
		NEW	O							φ 9.0~18.0
	30 (S Type)	NCS	-		10A 250V	1.8	2,000	3	#14 (1.25)	φ 11.0~13.0
		NWPC	O							φ 8.0~18.0
	30 (G Type)	NCS	-		5A 250V	1.8	2,000	3	#16 (2)	φ 11.0~13.0
		NWPC	O							φ 8.0~18.0
	40 (S Type)	NCS	-		20A 250V	2	2,000	3	#10 (5.5)	φ 15.0~17.0
		NWPC	O							φ 11.0~24.0
	44 (G Type)	NCS	-		25A 250V	2	2,000	3	#12 (3.5)	φ 15.0~19.0
		NWPC	O							φ 11.0~24.0
	50 (S Type)	NCS	-		25A 250V	2	2,000	3	#12 (3.5)	φ 19.0~23.0
		NWPC	O							φ 15.0~28.0
	54 (G Type)	NCS	-		25A 250V	2	2,000	3	#12 (3.5)	φ 19.0~26.0
		NWPC	O							φ 15.0~28.0

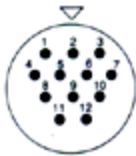
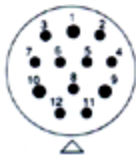
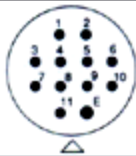
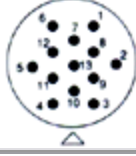
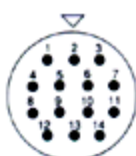
* 3: permit of electricity

number of contacts 10

number of contacts	shell size	series	water proof	contact arrangement	rating	withstand voltage	insulation resistance	contact resistance (less than M ^W)	A.W.G (mm ²)	outer diameter of cable used (mm)
10	20	NJC	-		5A 250V	1	1,000	5	#20	φ 10.0~12.5
		NR	-						(0.5)	φ 5.5~6.3
		NJW	O							φ 7.0~12.5
		NRW	O							
	24	NJC	-		10A 250V	1	2,000	3	#16	φ 11.5~14.0
									(1.25)	φ 6.8~8.0
		NJW	O							φ 9.5~15.0
		NRW	O							
	40 (S Type)	NCS	-		3-10A 7-5A 250V	1.8	2,000	3	3-#14	φ 15.0~17.0
		NWPC	O						3-#16	φ 11.0~24.0
	44 (G Type)	NCS	-						(3-2)	φ 15.0~19.0
		NWPC	O						(7-1.25)	φ 11.0~24.0
	50	NT	O		15A 600V	3	5,000	3	#12 (3.5)	φ 8.0~24.0
	50 (S Type)	NCS	-		20A 250V	2	2,000	3	#12	φ 19.0~23.0
		NWPC	O							φ 15.0~28.0
	54 (G Type)	NCS	-							φ 19.0~26.0
		NWPC	O						(3.5)	φ 15.0~28.0
	60 (S Type)	NCS	-		30A 250V	2.5	2,000	3	#8	φ 29.0~33.0
		NWPC	O						(8)	φ 21.0~38.0
	60 (G Type)	NCS	-		30A 250V	2	2,000	3	#8(8)	φ 29.0~33.0
		NWPC	O							φ 21.0~38.0

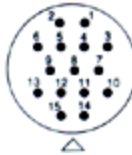
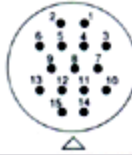
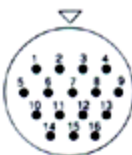
* 3: permit of electricity

number of contacts 12, 13, 14

number of contacts	shell size	series	water proof	contact arrangement	rating	withstand voltage	insulation resistance	contact resistance (less than M ^W)	A.W.G (mm ²)	outer diameter of cable used (mm)		
12	20	NJC	-		5A 250V	1	1,000	5	#20	φ 10.0~12.5		
		NR	-						(0.5)	φ 5.5~6.3		
		NJW	O							φ 7.0~12.5		
		NRW	O									
	40 (S Type)	NCS	-		3-10A 9-5A 250V	1.8	2,000	3	3-#14	φ 15.0~17.0		
		NWPC	O						9-#16	φ 11.0~24.0		
		44 (G Type)	NCS						-		(3-2)	φ 15.0~19.0
			NWPC						O		(9-1.25)	φ 11.0~24.0
	50	NT	O		5A 4 00V	2.5	5,000	3	#14 (2)	φ 8.0~24.0		
13	30 (S Type)	NCS	-		5A 250V	1.5	2,000	3	#16	φ 11.0~13.0		
		NWPC	O						(1.25)	φ 8.0~18.0		
14	20	NJC	-		3A *3 250V	0.5	1,000	5	#22	φ 10.0~12.5		
		NR	-						(0.3)	φ 5.5~6.3		
		NJW	O							φ 7.0~12.5		
		NRW	O									
	24	NJC	-		5A 250V	1	1,000	5	#20	φ 11.5~14.0		
									(0.5)	φ 6.8~8.0		
		NJW	O							φ 9.5~15.0		
		NRW	O									

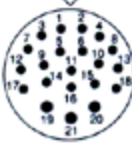
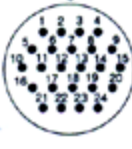
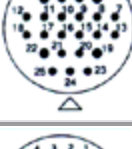
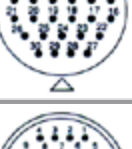
* 3: permit of electricity

number of contacts 15, 16

number of contacts	shell size	series	water proof	contact arrangement	rating	withstand voltage	insulation resistance	contact resistance (less than M ^W)	A.W.G (mm ²)	outer diameter of cable used (mm)
15	50	NT	O		5A 4 00V	2.5	5,000	3	#14 (2)	φ 8.0~24.0
	50 (S Type)	NCS	-		15A 250V	2	2,000	3	#12 (3.5)	φ 19.0~23.0
		NWPC	O							φ 15.0~28.0
	54 (G Type)	NCS	-							φ 19.0~26.0
		NWPC	O							φ 15.0~28.0
	60 (S Type)	NCS	-		15A 250V	2.5	2,000	3	#12 (3.5)	φ 29.0~33.0
		NWPC	O							φ 21.0~38.0
	60 (G Type)	NCS	-			2	2,000	3	#12(3.5)	φ 29.0~33.0
		NWPC	O							φ 21.0~38.0
16	24	NJC	-		5A 250V	1	1,000	5	#20 (0.5)	φ 11.5~14.0
										φ 6.8~8.0
		NJW	O							φ 9.5~15.0
		NRW	O							
	28	NJC	-		10A 250V	1	2,000	3	#16 (1.25)	φ 13.6~16.5
		NJW	O							φ 9.0~18.0
		NRW	O							
	40 (S Type)	NCS	-		3-10A 13-5A 250V	1.8	2,000	3	3-#14 13-#16 (3-2) (13-1.25)	φ 15.0~17.0
		NWPC	O							φ 11.0~24.0
	44 (G Type)	NCS	-							φ 15.0~19.0
		NWPC	O							φ 11.0~24.0

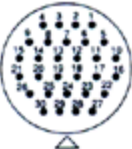
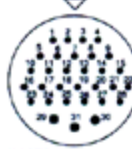
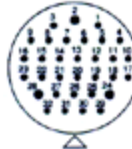
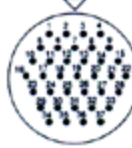
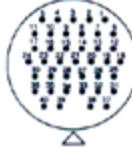
* 3: permit of electricity

number of contacts 20,21,24,25,30

number of contacts	shell size	series	water proof	contact arrangement	rating	withstand voltage	insulation resistance	contact resistance (less than M ^W)	A.W.G (mm ²)	outer diameter of cable used (mm)			
20	40 (S Type)	NCS	-		5A 250V	1.8	2,000	3	#16 (1.25)	φ 15.0~17.0			
		NWPC	O							φ 11.0~24.0			
	44 (G Type)	NCS	-							φ 15.0~19.0			
		NWPC	O							φ 11.0~24.0			
21	24	NJC	-		3-6A	0.5	1,000	5	3-#18	φ 11.5~14.0			
					18-3A				18-#22	φ 6.8~8.0			
		NJW	O		*3				(3-0.75)	φ 9.5~15.0			
		NRW	O						(18-0.3)	φ 9.5~15.0			
24	24	NJC	-		3A	0.5	2,000	5	#22	φ 11.5~14.0			
					*3				(0.3)	φ 6.8~8.0			
		NJW	O							φ 9.5~15.0			
		NRW	O							φ 9.5~15.0			
	28	NJC	-		5A	1	1,000	5	#20	φ 13.6~16.5			
		NJW	O		250V				(0.5)	φ 9.0~18.0			
		NRW	O							φ 9.0~18.0			
25	50 (S Type)	NCS	-		4-15A	1.8	2,000	3	4-#12	φ 19.0~23.0			
		NWPC	O		21-5A				21-#14	φ 15.0~28.0			
	54 (G Type)	NCS	-		250V				(4-3.5)	φ 19.0~26.0			
		NWPC	O						(21-2)	φ 15.0~28.0			
30	60 (S Type)	NCS	-		5A	1.8	2,000	3	#14	φ 29.0~33.0			
		NWPC	O		250V				(2)	φ 21.0~38.0			
	60 (G Type)	NCS	-		5A	1.8	2,000	3	#14(2)	φ 29.0~33.0			
		NWPC	O		250V					φ 21.0~38.0			

* 3: permit of electricity

number of contacts 31,32,37,40

number of contacts	shell size	series	water proof	contact arrangement	rating	withstand voltage	insulation resistance	contact resistance (less than M ^W)	A.W.G (mm ²)	outer diameter of cable used (mm)
30	60 (S Type)	NCS	-		5A 250V	1.8	2,000	3	#14 (2)	φ 29.0~33.0
		NWPC	O							φ 21.0~38.0
	60 (G Type)	NCS	-		5A 250V	1.8	2,000	3	#14(2)	φ 29.0~33.0
		NWPC	O							φ 21.0~38.0
31	28	NJC	-		3-6A	0.5	1,000	5	3-#18	φ 13.6~16.5
		NJW	O		28-3A				28-#22	φ 9.0~18.0
		NRW	O		*3				(3-0.75) (28-0.3)	
32	60 (S Type)	NCS	-		3-15A 29-5A 250V	1.8	2,000	3	3-#12 29-#14 (3-3.5)	φ 29.0~33.0
		NWPC	O						(29-2)	φ 21.0~38.0
	60 (G Type)	NCS	-		3-15A 29-5A 250V	1.8	2,000	3	3-#12 29-#14 (3-3.5) (29-2)	φ 29.0~33.0
		NWPC	O							φ 21.0~38.0
37	28	NJC	-		3A	0.5	1,000	5	#22 (0.3)	φ 13.6~16.5
		NJW	O		*3					φ 9.0~18.0
		NRW	O							
40	60 (S Type)	NCS	-		5A 250V	1.8	2,000	3	#14	φ 29.0~33.0
		NWPC	O						(2)	φ 21.0~38.0

* 3: permit of electricity

NJC



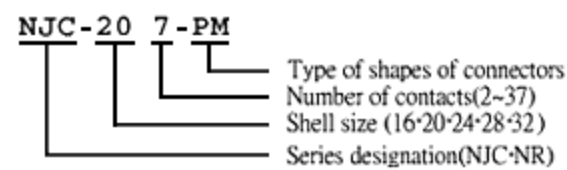
NJC Series Connectors

NJC and NR Series Connectors

Feature

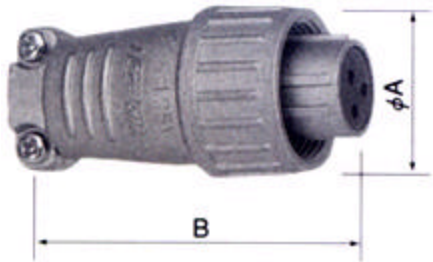
- 1. The 5-key system guide makes for smooth combination.
- 2. A one-touch lock mechanism is used in the combination system. [NR]
- 3. This product has received standards certification.

Order Cording

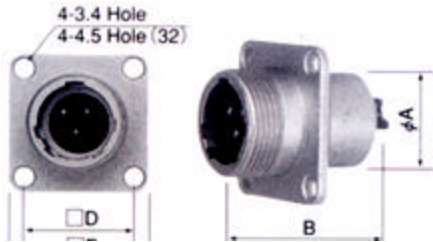


NJC Please see page 16 for accessoriee(acps, L seat, etc)

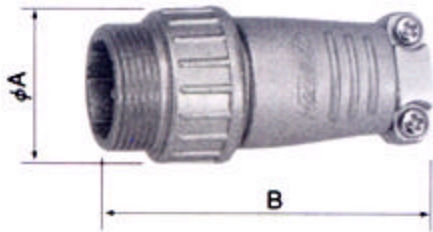
Plug



Receptacle



Adapter (Jack)



In case UL * CSA & TÜV certified product is specified
Example: NJC-202 -PM <UL*CSA>
Example: NJC-202 -PM <TÜV>

PF

S Type	*Number of contacts	A	B
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

PM

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
NJC-32* -PM	3, 4	44	83

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
NJC-32* -RM	3, 4	32	39.1	36	45

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
NJC-32* -RF	3, 4	32	39.1	36	45

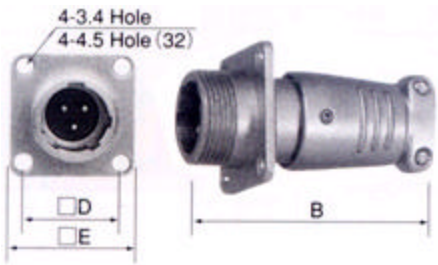
AdM

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
NJC-32* -AdM	3, 4	44	85.5

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
NJC-32* -AdF	3, 4	44	85.5

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
NJC -32*-Ad(F)M	3, 4	83.5	36	45

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

	Material	Finish
Shell	Zinc alloy Aluminum alloy	Crape chrome plating
Insulator	Synthic resin	_____
Contact	Copper alloy	Silver plating Golding plating

Cable termination : Soldering

Operating termperture range

Shell size	Number of contacts	Operting temperature range
16	3, 5	-25 ~ C
	8	-25 ~ C
20	2, 3, 4, 5	-40 ~ C
	7, 10, 12	-25 ~ C
	14	-25 ~ C
24	2, 3, 4, 5	-40 ~ C
	10, 14, 16	-25 ~ C
	21, 24	-25 ~ C
28	16, 24	-25 ~ C
	31, 37	-25 ~ C
32	3, 4	-40 ~ C

*Gold plating contact

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

NR

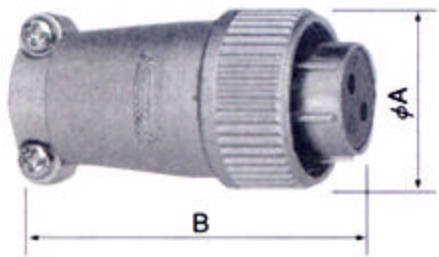


NR Series Connectors

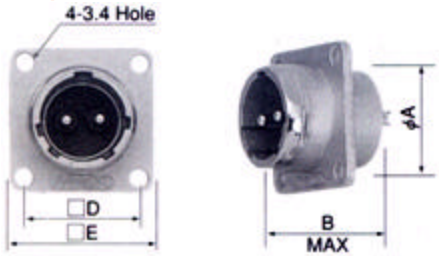
NJC and NR Series Connectors

NR Please see page 16 for accessories (cacps, L seat, etc)

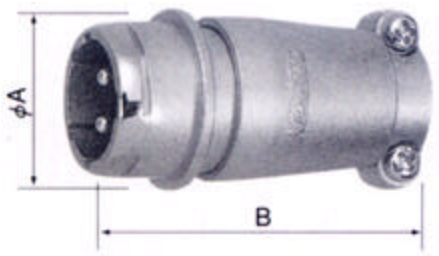
Plug



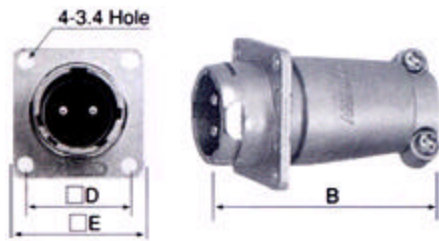
Receptacle



Adapter (Jack)



Adapter with flange (Panel Jack)



PF

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

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

RM

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

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

AdM

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

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

Ad(F)M

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

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



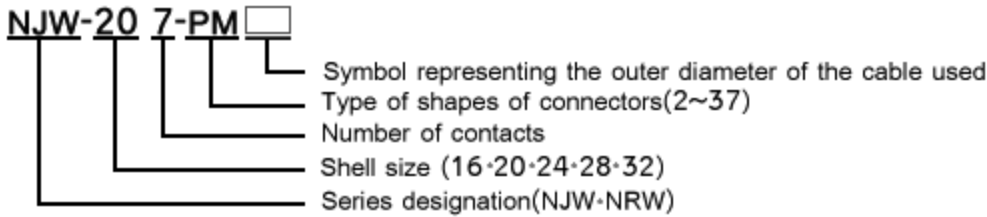
NJW Series Connectors

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. [NR]
- 3. This product has received standards certification.

Order Cording



In case UL *CSA & TUV certified product is specified
(NJW) Example: NJW-202-PM8 <UL *CSA>
(NRW) Example: NRW-202-PM8 <UL *CSA TUV>

NJW Please see accessories (acps, L seat, etc)

Plug



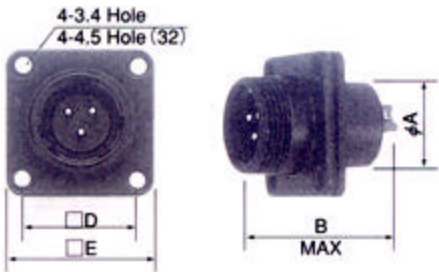
PF

S Type	*Number of contacts	A		B
NJW-16*-PF 	3, 5, 8	22	Note elsewhere	58
NJW-20*-PF 	2, 3, 4, 5, 7, 10, 12, 14	26		60
NJW-24*-PF 	2, 3, 4, 5, 10, 14, 16, 21, 24	30		67
NJW-28*-PF 	16, 24, 31, 37	34		72
NJW-32*-PF 	3, 4	44		101

PM

G Type	*Number of contacts	A		B
NJW-16*-PM 	3, 5, 8	22	Note elsewhere	58
NJW-20*-PM 	2, 3, 4, 5, 7, 10, 12, 14	26		60
NJW-24*-PM 	2, 3, 4, 5, 10, 14, 16, 21, 24	30		67
NJW-28*-PM 	16, 24, 31, 37	34		72
NJW-32*-PM 	3, 4	44		101

Receptacle



RM

S Type	*Number of contacts	A	B	D	E
NJW-16*-RM	3, 5, 8	16	29.7	20	26
NJW-20*-RM	2, 3, 4, 5, 7, 10, 12, 14	20	29.6	23	29
NJW-24*-RM	2, 3, 4, 5, 10, 14, 16, 21, 24	24	30.5	26	32
NJW-28*-RM	16, 24, 31, 37	28	28.5	29	35
NJW-32*-RM	3, 4	32	39.1	36	45

RF

G Type	*Number of contacts	A	B	D	E
NJW-16*-RF	3, 5, 8	16	29.7	20	26
NJW-20*-RF	2, 3, 4, 5, 7, 10, 12, 14	20	29.6	23	29
NJW-24*-RF	2, 3, 4, 5, 10, 14, 16, 21, 24	24	30.7	26	32
NJW-28*-RF	16, 24, 31, 37	28	28.2	29	35
NJW-32*-RF	3, 4	32	39.1	36	45

Adapter (Jack)



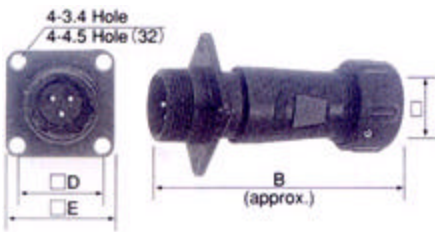
AdM

S Type	*Number of contacts	A		B
NJW-16*-AdM□	3, 5, 8	22	Note elsewhere	58
NJW-20*-AdM□	2, 3, 4, 5, 7, 10, 12, 14	26		60
NJW-24*-AdM□	2, 3, 4, 5, 10, 14, 16, 21, 24	29		67
NJW-28*-AdM□	16, 24, 31, 37	34		72
NJW-32*-AdM□	3, 4	44		103

AdF

G Type	*Number of contacts	A		B
NJW-16*-AdF□	3, 5, 8	22	Note elsewhere	58
NJW-20*-AdF□	2, 3, 4, 5, 7, 10, 12, 14	26		60
NJW-24*-AdF□	2, 3, 4, 5, 10, 14, 16, 21, 24	30		67
NJW-28*-AdF□	16, 24, 31, 37	29		72
NJW-32*-AdF□	3, 4	44		103

Adapter with flange(Panel Jack)



Ad(F)M

S Type	*Number of contacts	B		D	E
NJW-16*-Ad(F)M□	3, 5, 8	58	Note elsewhere	20	26
NJW-20*-Ad(F)M□	2, 3, 4, 5, 7, 10, 12, 14	60		23	29
NJW-24*-Ad(F)M□	2,3,4,5,10,14,16,21,24	67		26	32
NJW-28*-Ad(F)M□	16, 24, 31, 37	72		29	35
NJW-32*-Ad(F)M□	3, 4	101		36	45

Ad(F)F

G Type	*Number of contacts	B		D	E
NJW-16*-Ad(F)F□	3, 5, 8	58	Note elsewhere	20	26
NJW-20*-Ad(F)F□	2, 3, 4, 5, 7, 10, 12, 14	60		23	29
NJW-24*-Ad(F)F□	2,3,4,5,10,14,16,21,24	67		26	32
NJW-28*-Ad(F)F□	16, 24, 31, 37	72		29	35
NJW-32*-Ad(F)F□	3, 4	101		36	45

NRW



NRW Series Connectors

NRW Series Connectors

Material and Finish (NRW)

	Material	Finish
Shell	Synthetic resin	
Insulator	Synthetic resin	
Contact	Copper alloy	Silver plating Gold plating
Packing	Synthetic rubber	

- Cable termination
- Water resistance
- Slodering
- Water pressure 40kPa 24hrs.

Symbol representing the outer diameter of the cable used.

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

Shell size	Number of contacts	Operting temperature range
16	3, 5	-25 ~ C
	8	-25 ~ C
20	2, 3, 4, 5, 7, 10, 12	-25 ~ C
	14	-25 ~ C
24	2, 3, 4, 5, 10, 14, 16	-25 ~ C
	21, 24	-25 ~ C
28	16, 24	-25 ~ C
	31, 37	-25 ~ C
32	3, 4	-25 ~ C

*Gold plating contact

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

NRW Please see page 16 for accessories (caps, L seat, etc)

Plug



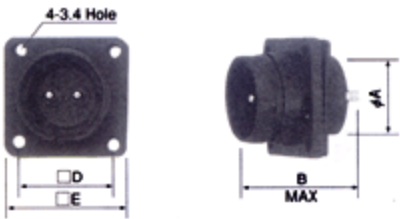
PF

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*-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

Adapter (Jack)



AdM

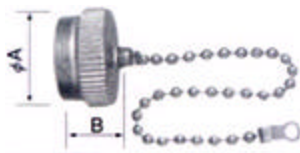
S Type	*Number of contacts	A		B
NRW-20* -AdM 	2, 3, 4, 5, 7, 10, 12, 14	26	noted elsewhere	60
NRW-24* -AdM 	2, 3, 4, 5, 10, 14, 16, 21, 24	32.2		75
NRW-28* -AdM 	16, 24, 31, 37	37.1		82

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

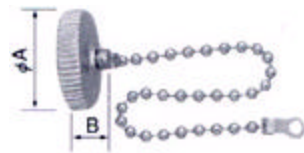
Accessories

NJC
Plug cap (PCa)



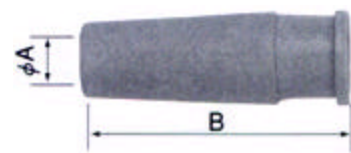
Shell size	A	B
NJC-16	22	19
NJC-20	25	19
NJC-24	29	18.7
NJC-28	33	19
NJC-32	44	31

Receptacle cap (RCa)
Also for adapter



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

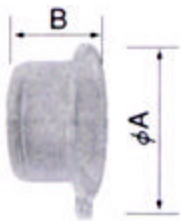
Cable bushing(CB) NJC * NR
NJC-20-CB service also for NR-20



Shell size	A	B
NJC-20	7.5~9.5	41
NJC-24	9.5~11	41.5

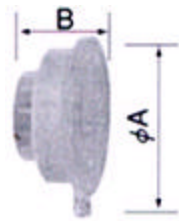
NR-24	9	8 ~ 10	41.5
	11	10.1 ~ 12.5	

NR
Plug cap (PCa * 1)



Shell size	A	B
NR-20	26	12.5

Receptacle cap (RCa * 1)



Shell size	A	B
NR-20	28.5	12.5

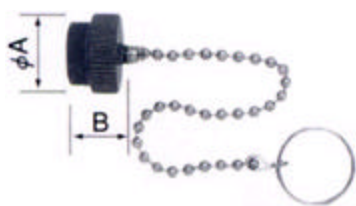
Rope The rope for attaching the cap



L60	RCa * 1 (Receptacle Cap)
NR-20	PCa * 1 (Plug Cap Adapter Cap)

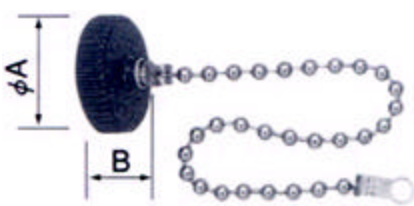
*The rope for attaching the cap is sold separately

NJW
Plug cap (PCa)



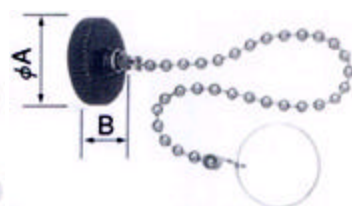
Shell size	A	B
NJW-16	22	19
NJW-20	25	19
NJW-24	29	18.7
NJW-28	33	19
NJW-32	44	31

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)



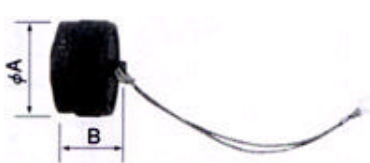
Shell size	A	B
NJW-16	22	11.5
NJW-20	25	11.5
NJW-24	29	12
NJW-28	33	12.5

NRW
Plug cap (PCa * 1)



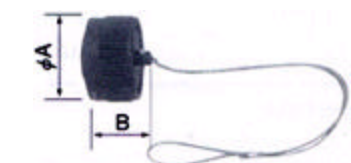
Shell size	A	B
NRW-20	26	16.5
NRW-24	31	16.5
NRW-28	40	17.5

Receptacle cap (RCa * 1)



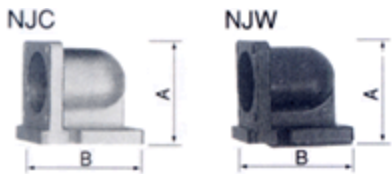
Shell size	A	B
NRW-20	28.5	22
NRW-24	34.1	26.5

Adapter cap (AdCa * 1)



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

L seat L NJC(NR) * NJW(NRW)



Shell size	A	B
16	27.5	36.9
20	32.5	38.4
24	36	44.5
28	40	46.8

*Except for NR * NRW-16

Receptacle cap (RCa)
Synthetic rubber



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

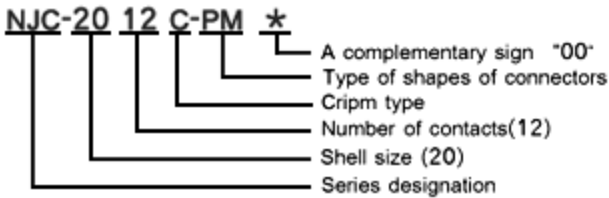
Adapter cap (AdCa)
Synthetic rubber



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

Crimp type

Order Cording



*The contact is sold separately with this type. Therefore, add supplementary symbol "00" if you desire one with a contact.

Material and Finish

	Material	Finish
Shell	Zinc alloy	Crape chrome plating
Insulator	Synthetic resin	
Contact	Copper alloy	Gold plating

Wording temperature range : - & W C

Plug

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



Adapter (Jack)

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



Crimp tool unit for NJC-2012C

M22520/1-01
Crimp tool body



M22520/3-01
Gauge



* Contact



CC101-F
Female Contact

CC0101-M
Male Contact

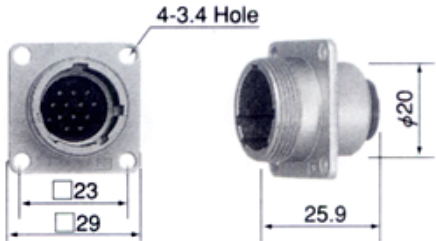
The purchase only of contact: 1 lot increases with 12 of then.

Electrical performance

Rating	5A 250V
Withstand vlotage	AC 1,000V
Contact resistance	5M or more
Insulation resistance	1,000MΩ or less
AWG	#20 or #22

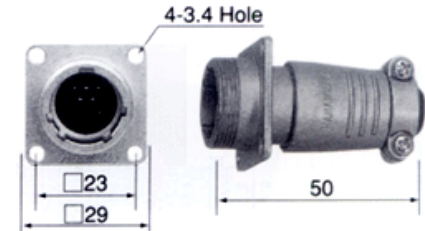
Receptacle

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



Adapter with frange (Panel Jack)

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



CL01-#20
Locator



CR-01
Removable tool



NCS

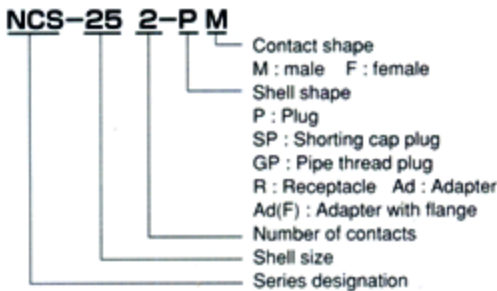


NCS Series Connectors

NCS Series Connectors : Best selling Round Type Connectors

Feature

- 1. Basic type of round connectors connectors usable for all kinds of circuits.
- 2. Solid and simple construction porvides mechanical and electricalstability.
- 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.

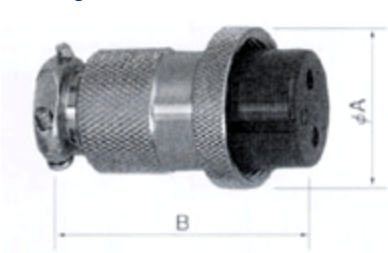


Material and Finish

	Material	Finish
Shell	Zinc alloy die casting or Brass	Chrome plating
Insulator	Synthetic resin	_____
Contact	Copper alloy	Nickel, Silver Gold plating

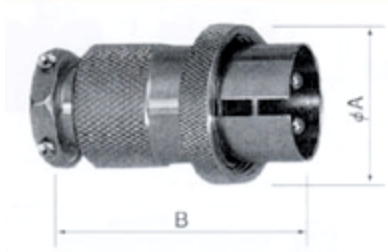
- Cable termination : Soldering
- Temperature tolerance level : -40 °C to +120 °C

Plug



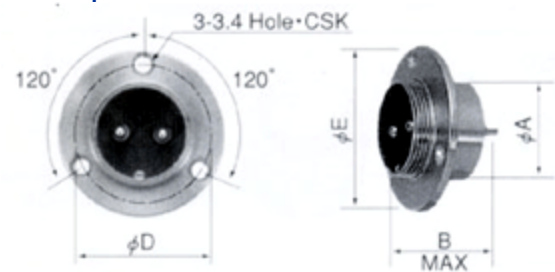
S Type	*Number of contacts	A	B
NCS -14* -P	1	17.5	41
NCS -14* -P	2	17.5	42.5
NCS -16* -P	1	21.5	43.5
NCS -16* -P	2, 3, 4	21.5	44.5
NCS -25* -P	2, 3, 4, 5, 6, 7, 8	28.5	50
NCS -30* -P	2, 3, 4, 5, 6, 7, 7H, 8, 13	34	55
NCS -40* -P	2, 3, 4, 5, 6, 8, 10, 12, 16, 20	46	69
NCS -50* -P	2, 3	57	100
NCS -50* -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



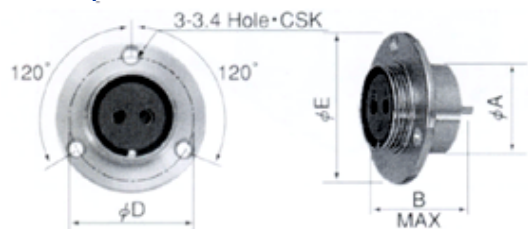
G Type	*Number of contacts	A	B
NCS -16* -PM	2, 3	21.5	44.5
NCS -25* -PM	2, 3, 4, 5, 6, 7	28.5	50.5
NCS -30* -PM	2, 3, 4, 5, 6, 8	34	57
NCS -44* -PM	2, 3, 4, 5, 6, 8, 10, 12, 16, 20	52	70
NCS -54* -PM	2, 3	65	112
NCS -54* -PM	4, 8, 10, 15, 25	65	102
NCS -64* -PM	2, 3, 4	78	116
NCS -60* -PM	10, 15, 30, 32	67	107

Receptacle



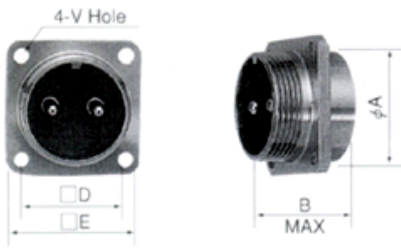
S Type	*Number of contacts	A	B	D	E
NCS-14* -R	1	14	27.5	23	31
NCS-14* -R	2	14	24	23	31
NCS-16* -R	1	16	27.5	24	32
NCS-16* -R	2, 3, 4	16	23	24	32
NCS-25* -R	2, 3, 4, 5, 6, 7, 8	25	26	34	42
NCS-30* -R	2,3,4,5,6,7,7H,8,13	30	29	38	46
NCS-40* -R	2,3,4,5,6,8,10,12,16,20	40	35.5	50	58
NCS-50* -R	4, 8, 10,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

Receptacle



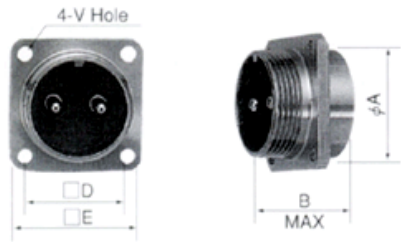
G Type	*Number of contacts	A	B	D	E
NCS-16* -RF	2, 3	16	23.5	24	32
NCS-25* -RF	2, 3, 4, 5, 6, 7	25	27	34	42
NCS-30* -RF	2, 3, 4, 5, 6, 8	30	30	38	46
NCS-44* -RF	2,3,4,5,6,8,10,12,16,20	44	41	56	64

Receptacle (Square flange)



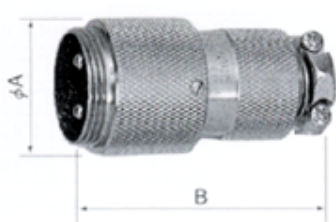
S Type	*Number of contacts	A	B	D	E	V
NCS-25*-R (Square)	2, 3, 4, 5, 6, 7, 8	25	26	24	31	3.5
NCS-50*-R	2, 3	50	54.3	48	60	5.5
NCS-50*-R (Square)	4, 8, 10, 15, 25	50	45	48	60	
NCS-60*-R	2, 3, 4	60	56.3	56	70	
NCS-60*-R	10, 15, 30, 32, 40	60	43	56	70	

Receptacle (Square flange)



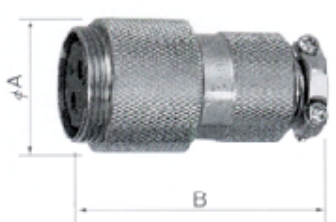
G Type	*Number of contacts	A	B	D	E	V
NCS-25*-RF (Square)	2, 3, 4, 5, 6, 7	25	27	24	31	3.5
NCS-54*-RF	2, 3	54	54	52	66	5.5
NCS-54*-RF	4, 8, 10, 15, 25	54	46.7	52	66	
NCS-64*-RF	2, 3, 4	64	56	62	76	
NCS-60*-RF	10, 15, 30, 32	60	48.5	56	70	

Adapter (Jack)



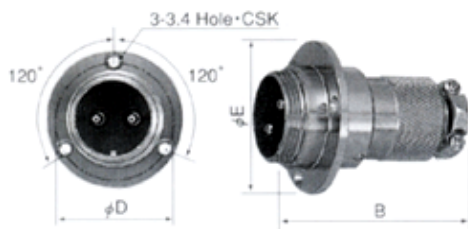
S Type	*Number of contacts	A	B
NCS -14*-Ad	1, 2	17.5	52.5
NCS -16*-Ad	1, 2, 3, 4	21.5	49
NCS -25*-Ad	2, 3, 4, 5, 6, 7, 8	28.5	57
NCS -30*-Ad	2, 3, 4, 5, 6, 7, 7H, 8, 13	34	62.5
NCS -40*-Ad	2, 3, 4, 5, 6, 8, 10, 12, 16, 20	46	81
NCS -50*-Ad	2, 3	57	109
NCS -50*-Ad	4, 8, 10, 15, 25	57	100
NCS -60*-Ad	2,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



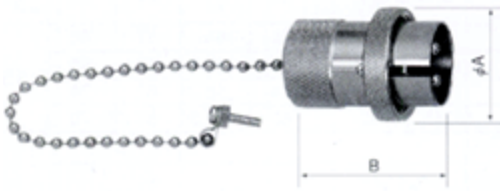
S Type	*Number of contacts	B	D	E
NCS -16*-Ad(F)	1, 2, 3, 4	49	28	37
NCS -25*-Ad(F)	2, 3, 4, 5, 6, 7, 8	57	35	42
NCS -30*-Ad(F)	2, 3, 4, 5, 6, 7, 7H, 8, 13	62.5	42	52
NCS -40*-Ad(F)	2, 3, 4, 5, 6, 8, 10, 12, 16, 20	81	56	65

Adapter with flange (Panel Jack)



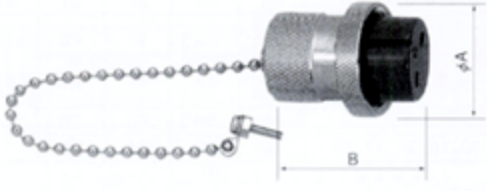
G Type	*Number of contacts	B	D	E
NCS -16*-Ad(F)	2, 3	49	28	37
NCS -25*-Ad(F)	2, 3, 4, 5, 6, 7	57	35	42
NCS -30*-Ad(F)	2, 3, 4, 5, 6, 8	62.5	42	52

Shorting cap plug



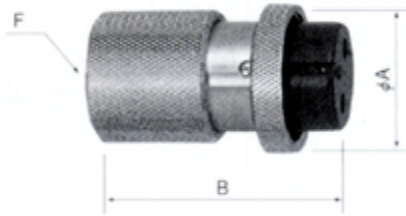
S Type	*Number of contacts	A	B
NCS -25*-SP	2, 3, 4, 5, 6, 7, 8	28.5	38
NCS -30*-SP	2, 3, 4, 5, 6, 7, 7H, 8, 13	34	41
NCS -40*-SP	2, 3, 4, 5, 6, 8, 10, 12, 16, 20	46	56
NCS -50*-SP	2, 3	57	82
NCS -50*-SP	4, 8, 10, 15, 25	57	72
NCS -60*-SP	2, 3, 4	67	83
NCS -60*-SP	10, 15, 30, 32	67	73

Shorting cap plug



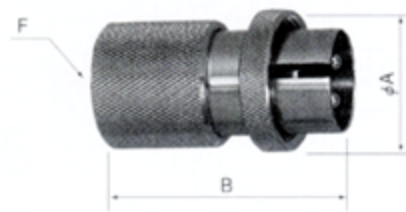
G Type	*Number of contacts	A	B
NCS -25*-SPM	2, 3, 4, 5, 6, 7	28.5	38.5
NCS -30*-SPM	2, 3, 4, 5, 6, 8	34	43
NCS -40*-SPM	2, 3, 4, 5, 6, 8, 10, 12, 16, 20	52	57
NCS -50*-SPM	2, 3	65	91
NCS -50*-SPM	4, 8, 10, 15, 25	65	81
NCS -60*-SPM	2, 3, 4	78	96
NCS -60*-SPM	10, 15, 30, 32	67	75

Pipe threads plug



S Type	*Number of contacts	A	B
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

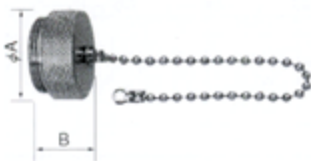
Shorting cap plug



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 -40*-SPM	2, 3, 4, 5, 6, 8, 10, 12, 16, 20	52	57
NCS -50*-SPM	2, 3	65	91
NCS -50*-SPM	4, 8, 10, 15, 25	65	81
NCS -60*-SPM	2, 3, 4	78	96
NCS -60*-SPM	10, 15, 30, 32	67	75

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



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

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.

NWPC



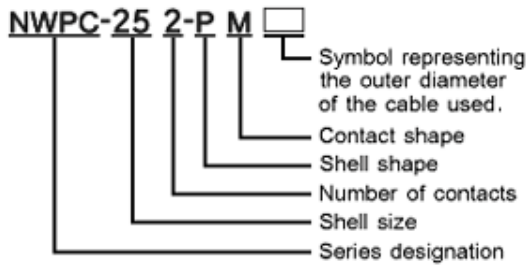
NWPC Series Connectors

NWPC Series Connectors

Feature

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

Order Cording

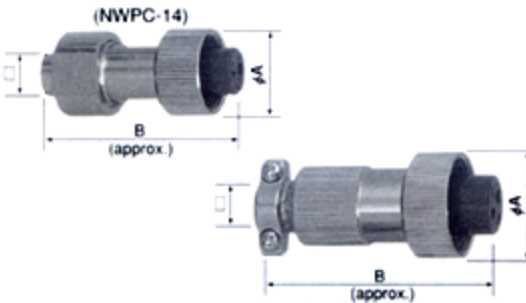


Material and Finish

	Material	Finish
Shell	Brass or Zinc alloy die casting	Chrome plating
Insulator	Epoxy resin	
Contact	Copper alloy	Nickel, Silver or Gold plating
Packing	Synthetic rubber	

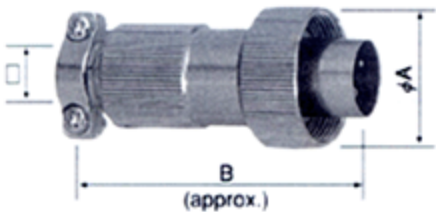
- Cable termination : Soldering
- Operating temperature range : -40 °C to +85 °C
- Water resistance : Water pressure 0.5kPa 24hrs.

Plug



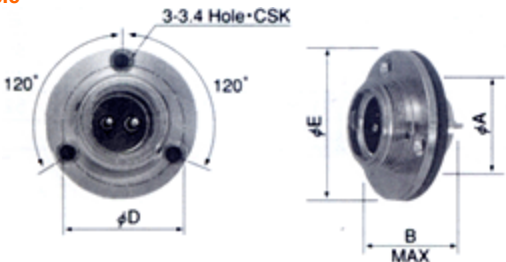
S Type	*Number of contacts	A	B
NWPC-14* -P 	1	21	47.5
NWPC-14* -P 	2	21	49
NWPC-16* -P 	1, 4	25	57
NWPC-16* -P 	2, 3	25	58
NWPC-25* -P 	2, 3, 4, 5, 6, 7, 8	32	64
NWPC-30* -P 	2, 3, 4, 5, 6, 7, 7H, 8, 13	37	70
NWPC-40* -P 	2, 3, 4, 5, 6, 8, 10, 12, 16, 20	47	94
NWPC-50* -P 	2, 3	57	130
NWPC-50* -P 	4, 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)		

Plug



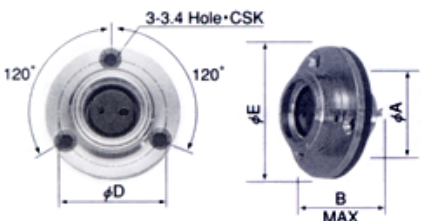
G Type	*Number of contacts	A	B
NWPC-16* -PM 	2, 3	25	58
NWPC-25* -PM 	2, 3, 4, 5, 6, 7	32	64.5
NWPC-30* -PM 	2, 3, 4, 5, 6, 8	37	72
NWPC-44* -PM 	2, 3, 4, 5, 6, 8, 10, 12, 16, 20	56	98
NWPC-54* -PM 	2, 3	66	130
NWPC-54* -PM 	4, 8, 10, 15, 25	66	120
NWPC-64* -PM 	2, 3, 4	76	145
NWPC-60* -PM 	10, 15, 30,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

Receptacle



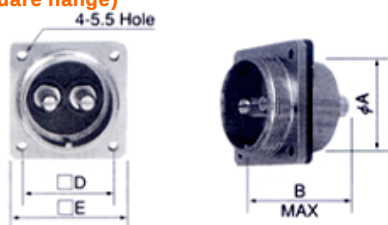
S Type	*Number of contacts	A	B	D	E
NWPC-14* -R	1	14	28.5	26	34
NWPC-14* -R	2	14	25	26	34
NWPC-16* -R	1	16	30.5	30	37
NWPC-16* -R	2, 3, 4	16	26	30	37
NWPC-25* -R	2,3,4,5,6,7,8	25	27.5	36	44
NWPC-30* -R	2,3,4,5,6,7,7H,8,13	30	30	41	49
NWPC-40* -R	2,3,4,5,6,8,10,12,16,20	40	36.5	52	60

Receptacle



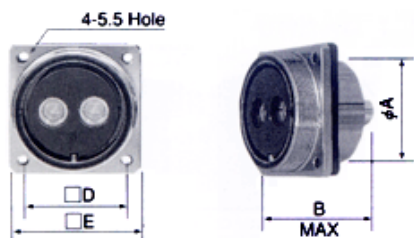
G Type	*Number of contacts	A	B	D	E
NWPC-16* -RF	2, 3	16	26.5	30	37
NWPC-25* -RF	2, 3, 4, 5, 6, 7	25	27.5	36	44
NWPC-30* -RF	2, 3, 4, 5, 6, 8	30	31	41	49
NWPC-44* -RF	2,3,4,5,6,8,10,12,16,20	44	41	60	68

Receptacle(Square flange)



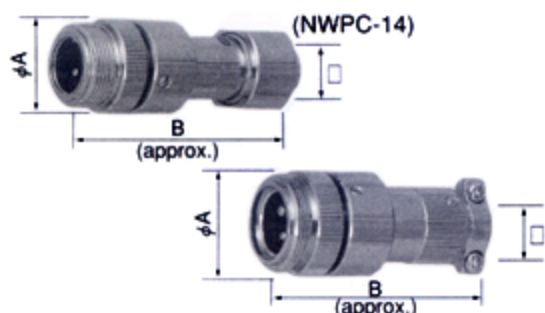
S Type	*Number of contacts	A	B	D	E
NWPC-50* -R	2, 3	50	56	50	64
NWPC-50* -R	4, 8, 10, 15, 25	50	47	50	64
NWPC-60* -R	2, 3, 4	60	57.8	56	70
NWPC-60* -R	10, 15, 30, 32, 40	60	44	56	70

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 with flange (Panel Jack)



G Type	*Number of contacts	A	B
NWPC-16* -AdF□	2, 3	25	59
NWPC-25* -AdF□	2, 3, 4, 5, 6, 7, 8	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)



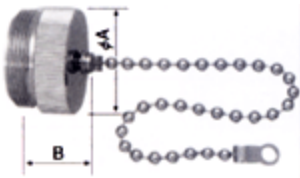
S Type	*Number of contacts	B	D	E
NWPC-16*Ad(F) □	1, 2, 3, 4	59	32	40
NWPC-25*Ad(F) □	2, 3, 4, 5, 6, 7, 8	72	39	47
NWPC-30*Ad(F) □	2, 3, 4, 5, 6, 7, 7H, 8, 13	80	44	52
□	(Refer to page 26)			

Adapter with flange (Panel Jack)



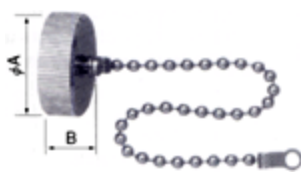
G Type	*Number of contacts	A	D	E
NWPC-16*AdF(F) □	2, 3	59	32	40
NWPC-25*AdF(F) □	2, 3, 4, 5, 6, 7	72	39	47
NWPC-30*AdF(F) □	2, 3, 4, 5, 6, 8	80	44	52
□	(Refer to page 26)			

Accessories
Plug cap (PCa)



Shell size	A	B
NWPC -14-PCa	21	20.5
NWPC -16-PCa	25	18.5
NWPC -25-PCa	32	19.5
NWPC -30-PCa	37	22
NWPC -40-PCa	47	24.5
NWPC -44-PCa	56	25
NWPC -50-PCa	57	39.6
NWPC -54-PCa	66	38.6
NWPC -60-PCa	67	39.6
NWPC -64-PCa	76	38.6

Receptacle cap (RCa) Also for adapter



Shell size	A	B
NWPC -14-PCa	21	13
NWPC -16-PCa	25	12.5
NWPC -25-PCa	32	12.5
NWPC -30-PCa	37	14
NWPC -40-PCa	47	16 *
NWPC -44-PCa	56	16 *
NWPC -50-PCa	57	21.6
NWPC -54-PCa	66	19.6
NWPC -60-PCa	67	19.6
NWPC -64-PCa	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.

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~φ10.0
25	7	φ 6.5~φ 8.0
	9	φ 8.1~φ10.0
	11	φ10.1~φ12.0
	13	φ12.1~φ14.0
30	9	φ 8.0~φ10.0
	11	φ10.1~φ12.0
	13	φ12.1~φ14.0
	15	φ14.1~φ16.4
	17	φ16.5~φ18.0
40 and 44	12	φ11.0~φ13.0
	14	φ13.1~φ15.0
	16	φ15.1~φ17.0
	18	φ17.1~φ19.0
	20	φ19.1~φ21.5
	23	φ21.6~φ24.0

Shell size	Symbol ☐	Outer diameter of cable used
50 and 54	16	φ15.0~φ17.0
	18	φ17.1~φ19.0
	20	φ19.1~φ21.0
	22	φ21.1~φ23.0
	24	φ23.1~φ25.5
60 and 64	27	φ25.6~φ28.0
	22	φ21.0~φ23.0
	24	φ23.1~φ25.0
	26	φ25.1~φ27.0
	28	φ27.1~φ29.5
	31	φ29.6~φ32.0
	33	φ32.1~φ34.0
	35	φ34.1~φ36.0
	37	φ36.1~φ38.0

NCS and NWPC tools (Sale different)

Contacys 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.

80A Contact Wrench



150A Contact Wrench



NT



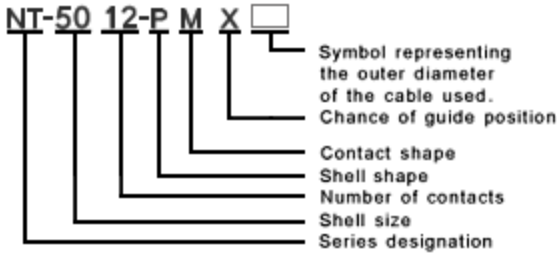
NT Series Connectors

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. (φ8 to φ24mm)
- 3. Water-proof, Oil-proof type.
- 4. Safety design providing earthing contact.

Order Cording

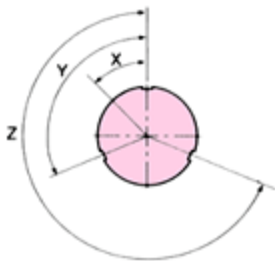


Material and Finish

	Material	Finish
Shell	Aluminum alloy die casting or Aluminum alloy	Chrome plating
Insulator	Epoxy resin	
Contact	Copper alloy	Silver plating
Packing	Oil-resistant rubber	

- Cable termination : Soldering
- Operating temperature range : - 60 & 125 C

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



No. of Contacts Mark	4	10	12	15
X				
Y				
Z				

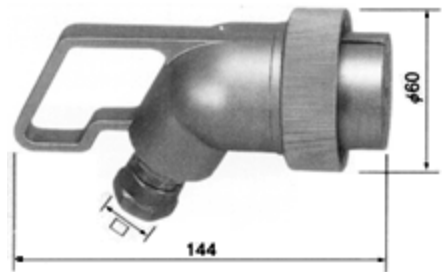
Plug



S Type	*Number of contacts
NT-50* -PF □	4, 10, 12, 15
G Type	*Number of contacts
NT-50* -PM □	4, 10, 12, 15

Symbol □	Outer diameter of cable used
12	f 8.0~φ12.0
16	f12.1~φ16.0
20	f16.1~φ20.0
24	f20.1~φ24.0

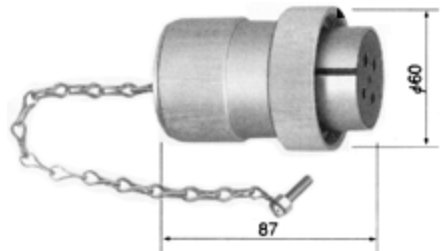
Angle plug



S Type	*Number of contacts
NT-50* -LPF □	4, 10, 12, 15
G Type	*Number of contacts
NT-50* -LPM □	4, 10, 12, 15

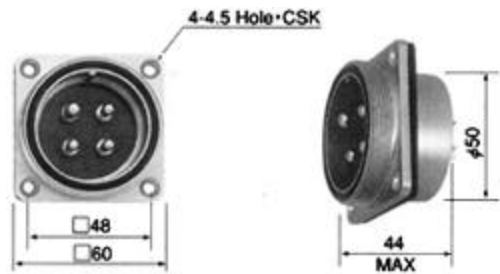
Symbol □	Outer diameter of cable used
12	f 8.0~φ12.0
16	f12.1~φ16.0
20	f16.1~φ20.0
24	f20.1~φ24.0

Shorting cap plug



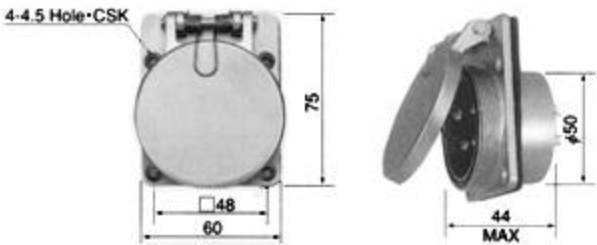
S Type	*Number of contacts
NT-50* -SPF □	4, 10, 12, 15
G Type	*Number of contacts
NT-50* -SPM □	4, 10, 12, 15

Receptacle



S Type	*Number of contacts
NT-50*-RM ☐	40, 10, 12, 15
G Type	*Number of contacts
NT-50*-RF ☐	4, 10, 12, 15

Receptacle with cap

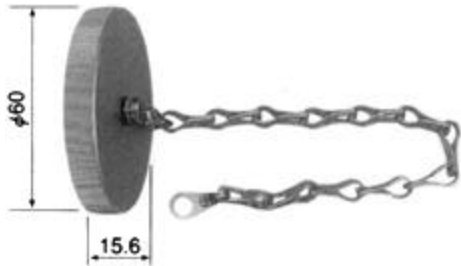


S Type	*Number of contacts
NT-50*-CPM ☐	40, 10, 12, 15
G Type	*Number of contacts
NT-50*-CPF ☐	4, 10, 12, 15

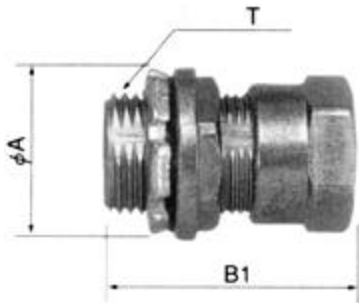
Accessories
Plug cap (PCa)



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		PF1/2	φ12~16
BCG-16			120		
BC-20	37	41.5-48.5		PF1/2	φ16~20
BCG-20			135		
BC-24	45	46.5-56.0		PF1/2	φ20~24
BCG-24			165		
BC-28	54	49.50-60.5		PF1/2	φ24~28
BCG-28			200		
BC-32	54	51.5-62.5		PF1/2	φ28~32
BCG-32			230		
BC-36	60	52.5-64.5		PF1/2	φ32~36
BCG-36			245		

NHVC



NHVC Series Connectors

NHVC Series Connectors : For High Vlotage 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.

Material and Finish

	Material	Finish
Shell	Aluminum alloy	
Insulator	Synthetic resin	
Contact	Copper alloy	Silver plating
Packing	Synthetic rubber	

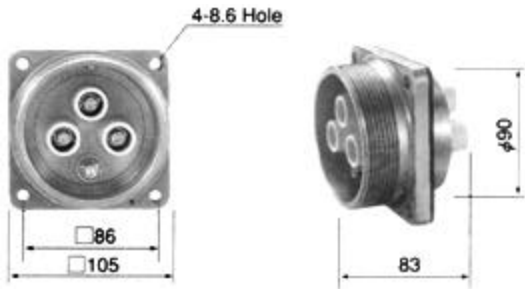
- Cable termination : Soldering
- Operating temperature range : - & √ C

NHVC-904

Plug (NHVC-904-PM)



Receptacle (NHVC-904-RF)

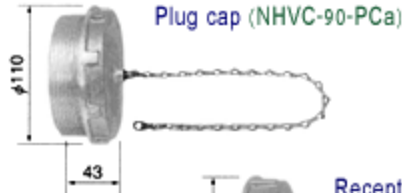


Adapter (Jack) (NHVC-904-PM)



Accessories

Plug cap (NHVC-90-PCa)



Receptacle cap (NHVC-90-RCa)

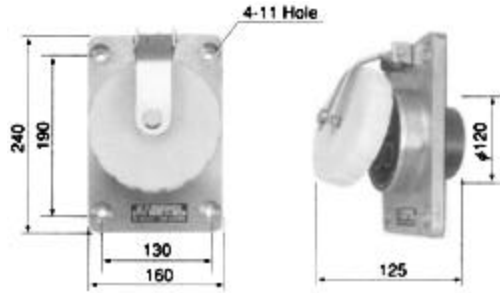


NHVC-1204

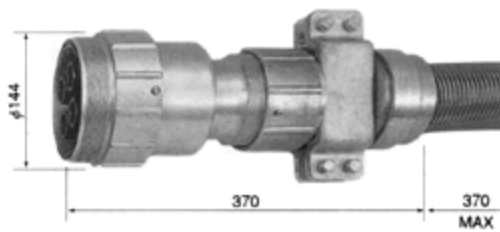
Plug (NHVC-1204-PM)



Receptacle with cap (NHVC-1204-CRF)

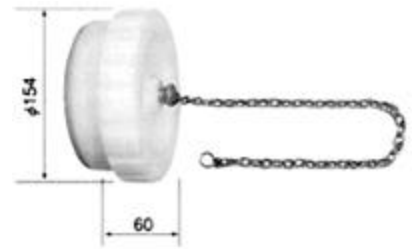


Adapter (Jack) (NHVC-1204-AdF)



Accessories

Plug cap (NHVC-120-PCa)



NHVC-2004

Plug (NHVC-2004-PM)



Receptacle (NHVC-2004-RF)

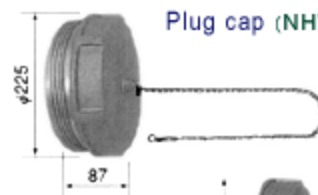


Adapter (Jack) (NHVC-2004-AdF)



Accessories

Plug cap (NHVC-200-PCa)



Plug cap (NHVC-200PCa)



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

NMI



NMI Series Connectors

NMI Series Connectors : For Low Vlotage 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 high-current motor, etc.
- 3. Simplification of maintenance of high -voltage electric equipment,etc.

Material and Finish

	Material	Finish
Shell	Aluminum alloy	
Insulator	Synthetic resin	
Contact	Copper alloy	Silver plating
Packing	Synthetic rubber	

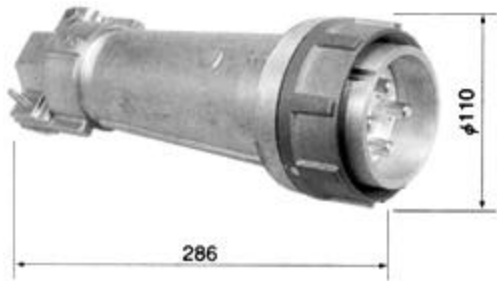
- Cable termination : Soldering
- Operating temperature range : - & C
- Water resistance : Waterproof type

Electrical Performance

	Rating	Withstand Voltage
NMI-903	600V 200A	2500V (1min.)
NMI-904	600V 200A	2500V (1min.)
NMI-1203	600V 200A	2500V (1min.)

NMI-903, 904

Plug (NMI-903, 904-PM)



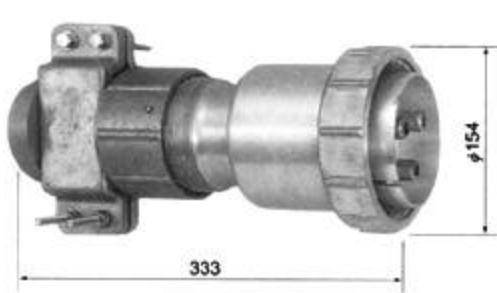
Accessories : PCa, RCa is sharing with PCa, RCa of NHVC-90

Receptacle (NMI-903, 904-RF)



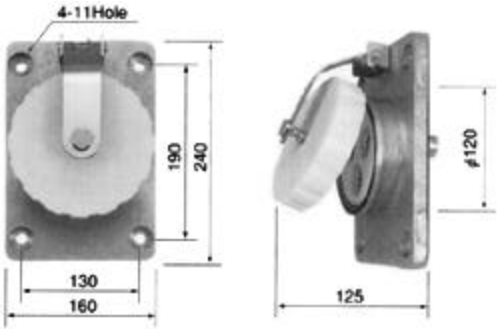
NMI-1203

Plug (NMI-1203-PM)



Accessories : PCa, RCa is sharing with PCa, RCa of NHVC-90

Receptacle with cap (NMI-1203-CRF)



R



R Series Connectors

R Series Connectors : For Low Voltage High Current

Feature

- 1. Used as a power supply for equipment that requires low voltage and high current (welders, distribution panels, etc.).
- 2. The main unit uses mainly rubber material to make it lightweight and very resistant ot vibration shock.
- 3. The bayonet lock system makes it easy to operate the combination system.

Material and Finish

	Material	Finish
Shell	Aluminum alloy	
Insulator	Synthetic resin	
Contact	Copper alloy	Silver plating
Packing	Synthetic rubber	

- Cable termination : Soldering
- Operating temperature range : - 40 ~ 70 C
- Water resistance : Waterproof type

Electrical Performance

	Rating	Withstand Voltage
NMI-903	600V 200A	2500V (1min.)
NMI-904	600V 200A	2500V (1min.)
NMI-1203	600V 200A	2500V (1min.)

R-601

Plug (R-601 -PM)



Receptacle with cap (R-601-CRF)



R-754

Plug (R-754 -PM)



Receptacle with cap (R-754-CRF)

