

One-Touch Locking Styled , Small Sized Circular Connectors

CM09 Series

DDK Ltd.

FEATURES

- Strong construction, using metal shells.
- One-touch mating and sure locking by "Push-On & Turn-Off" mechanism.
- Sequence Structure With Protective Circuitry.
#20 size power contacts, making first connections.
- High Reliability by crimping termination.



Waterproof

IP 67

SPECIFICATION

Current Rating	1A / Contact
Voltage Rating	24V DC
Dielectric Withstanding Voltage	1500V AC(r.m.s.) / 1 minute
Insulation Resistance	1,000M Ω Min. at 500V DC
Waterproof	IP67 when mated
Operating Temperature Range	-25°C to +70°C
No.of Contacts	25 (#20-2 Pin , #22-23 Pin) 32 (#20-2 Pin , #22-30 Pin)
Applicable Wire Size	#20 : 20AWG to 22AWG #22 : 24AWG to 28AWG

Lock Type

Push-ON

MATERIAL/FINISH



Item	Receptacle		Plug		Cable Receptacle 25Pin
	25Pin	32Pin	25Pin	32Pin	
Insulator	Plastic / Black		Plastic / Black		Plastic / Black
Contact	Copper Alloy / Gold Plating		Copper Alloy / Gold Plating		Copper Alloy / Gold Plating
Shell	Zinc Alloy / Nickel Plating		Zinc Alloy / Nickel Plating		Zinc Alloy / Nickel Plating
Coupling Ring			Zinc Alloy / Nickel Plating		
Back Shell			Zinc Alloy/Nickel Plating	Plastic / Black	Zinc Alloy / Nickel Plating
Bushing			Synthetic Rubber/Black		Synthetic Rubber / Black
Cable Clamp			Plastic / Black		Plastic / Black
Clamp Nut			Zinc Alloy/Nickel Plating	Plastic / Black	Zinc Alloy / Nickel Plating
Hex. Nut	Zinc Alloy / Nickel Plating				
Gasket	Synthetic Rubber / Black				
O Ring			Synthetic Rubber / Black		Synthetic Rubber / Black
Ground Plate	Copper Alloy/Gold Plating		Copper Alloy / Gold Plating		Copper Alloy / Gold Plating
Screw			Stainless Steel		Stainless Steel
Spring Pin	Stainless Steel		Stainless Steel		Stainless Steel

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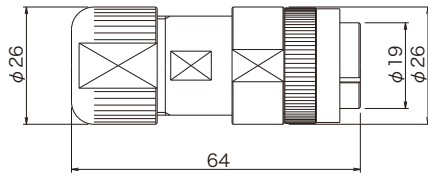
▶ Plug

25Pin

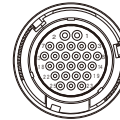
Applicable Cable Outside Dia. : $\phi 11 \sim \phi 12.5$

(Without contacts)

Item	P/N
Plug for Pin Contacts	CM09-P25P(R1)
Plug for Socket Contacts	CM09-P25S(R1)



CM09-P25P



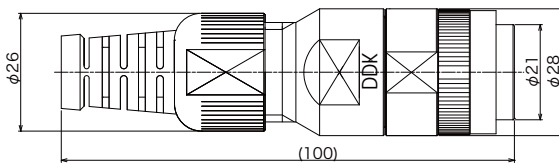
CM09-P25S

32Pin

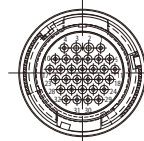
Applicable Cable Outside Dia. : $\phi 7 \sim \phi 10.5$

(Without contacts)

Item	P/N	Applicable Cable Outside Dia.
Plug for Pin Contacts	CM09-P32P(R1)	$\phi 7 \sim \phi 9$
	CM09-P32P-L(R1)	$\phi 9 \sim \phi 10.5$
Plug for Socket Contacts	CM09-P32S(R1)	$\phi 7 \sim \phi 9$
	CM09-P32S-L(R1)	$\phi 9 \sim \phi 10.5$



CM09-P32P



CM09-P32S

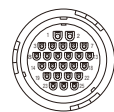
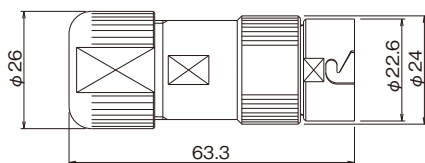
▶ Cable Receptacle

25Pin

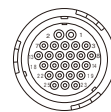
Applicable Cable Outside Dia. : $\phi 11 \sim \phi 12.5$

(Without contacts)

Item	P/N
Cable Receptacle for Pin Contacts	CM09-CR25P(R1)
Cable Receptacle for Socket Contacts	CM09-CR25S(R1)



CM09-CR25P



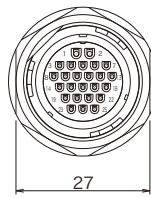
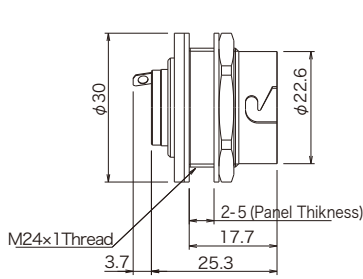
CM09-CR25S

▶ Receptacle

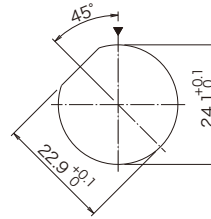
25Pin

(Without contacts)

Item	P/N
Receptacle for Pin Contacts	CM09-R25P(R1)
Receptacle for Socket Contacts	CM09-R25S(R1)



CM09-R25P

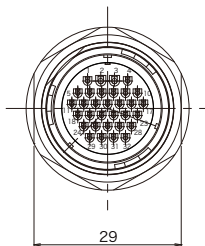
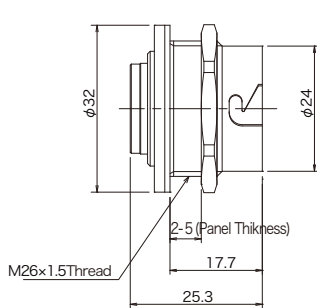


Mounting Dimensions

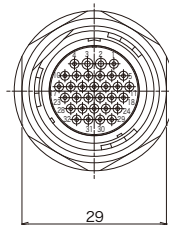
32Pin

(Without contacts)

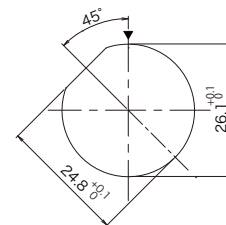
Item	P/N
Receptacle for Pin Contacts	CM09-R32P(R1)
Receptacle for Socket Contacts	CM09-R32S(R1)



CM09-R32P



CM09-R32S

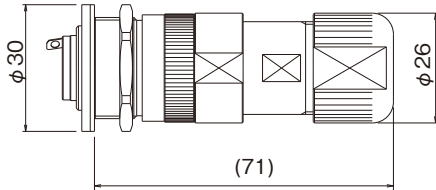


Mounting Dimensions

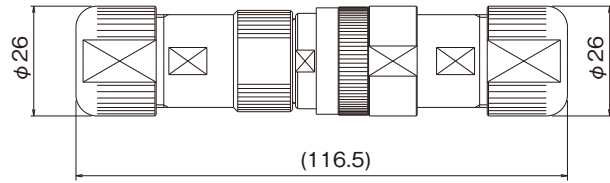
▶ Dimensions, Mated

25Pin

Receptacle + Plug
 CM09-R25 □ CM09-P25 □

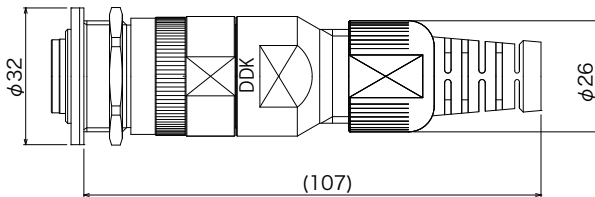


Cable Receptacle + Plug
 CM09-CR25 □ CM09-P25 □



32Pin

Receptacle + Plug
 CM09-R32 □ CM09-P32 □



▶ Contacts

Loose Contact

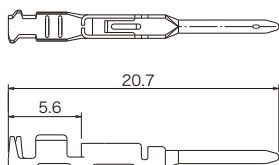
Item	Applicable Contact P/N (100pcs/1 bag)	Applicable Wire	Hand Tool P/N
		Conductor Size	
Pin Contact	CM09-#20PC-100	20 ~ 22AWG	357J-50481T
	CM09-#22PC-100	24 ~ 28AWG	357J-50482T
Socket Contact	CM09-#20SC-100	20 ~ 22AWG	357J-50481T
	CM09-#22SC-100	24 ~ 28AWG	357J-50482T

Note. The rose contact becomes the sales goods by 100/one bag.

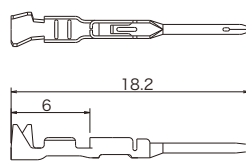
Reel Contacts for Semi-Automatic Tool

Item	Applicable Contact P/N (10000pcs/1 reel)	Applicable Wire	Semi-Automatic Tool P/N
		Conductor Size	
Pin Contact	CM09-#20PC-10000	20 ~ 22AWG	AP-A50457T
	CM09-#22PC-10000	24 ~ 28AWG	AP-A50458T
Socket Contact	CM09-#20SC-10000	20 ~ 22AWG	AP-A50457T
	CM09-#22SC-10000	24 ~ 28AWG	AP-A50458T

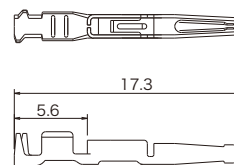
CM09-#20PC-□□□□



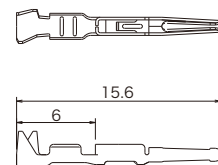
CM09-#22PC-□□□□



CM09-#20SC-□□□□



CM09-#22SC-□□□□



■ Contact Removal Tool

P / N : 357J-51374T

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