

Industrial waterproof rectangular connector

DK-3 Series (4 Pin) Type




OUTLINE

- ◆ Waterproof rectangular connector was developed for connecting industrial equipment.
- ◆ Crimp termination contacts are the same as those of DK-3000 series.
- ◆ Plug, Cable Connecting, offers a receptacle and the receptacle shell shape tab. key can be changed for wrong insertion prevention, so it's possible to combine a colorful connector.
- ◆ DK-3 has one touch locking lever mechanism and a locking supporting system.
Pushing contacts in the direction of the mating half makes the connectors automatically and temporarily locked and you can mate the connectors easily.

APPLICATIONS

FA equipment (internal and external), robots, servo motors, medical equipment, communication equipment, OA equipment, various other electrical equipment

SPECIFICATIONS

Item	DK-3 Series
Rated Voltage	250V AC(r.m.s.)/600V DC
Rated Current	15A max. / Contact
Dielectric Withstanding Voltage	2,200V AC(r.m.s.)/ 1minute
Insulation Resistance	1,000M Ω min. at 500V DC
Contact Resistance	10m Ω max.
Contact Pitch	5.0mm
Applicable Cable Size	AWG 16 – 28
Waterproof Rating	IP67
Number of Contacts	4 Pin

SAFETY STANDARD



Accreditation Organization	Applicable Standards	Certification Number
TUV	DIN VDE 0627 < EN61984 >	R50058093
UL	UL 1977	E72124

MATERIALS / FINISH



Item	Materials / Finishes
Contact	Copper Alloy / Au over Ni Plating
Housing	PBT Resin(UL94V-0) / Black
Shell / Hood	Aluminum Alloy and Zinc Alloy

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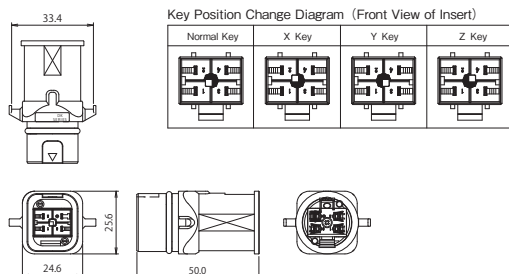
4 Pin Waterproof Connectors

Straight Plug

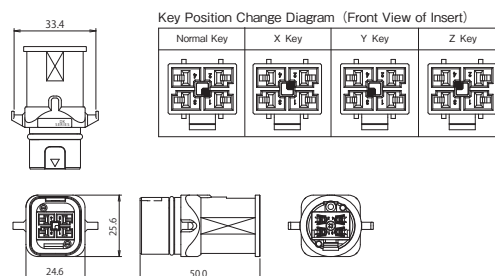
DK-3P04B □ □ □ -S(R1)

Housing Type
RC : Receptacle Housing
TC : Tab Housing

Keying Type
Omit : Normal Key
X : X Key, Y : Y Key, Z : Z Key



Tab Housing



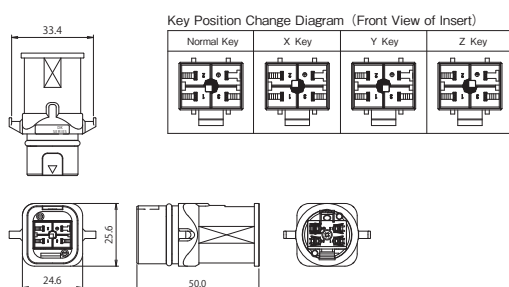
Receptacle Housing

Straight Plug [With Earth Lug]

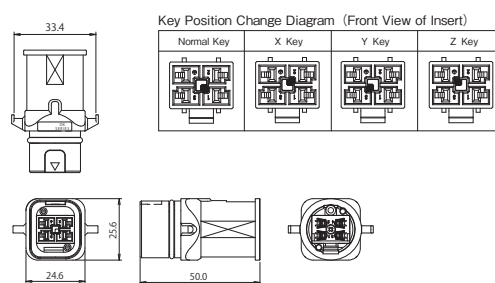
DK-3P04B □ □ □ -ES(R1)

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Tab Housing



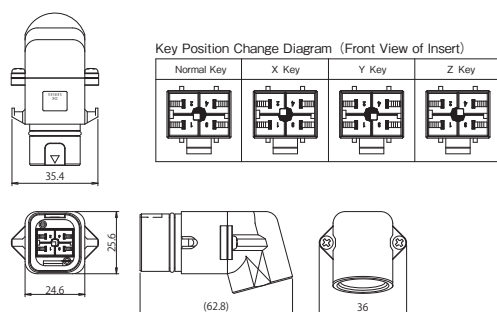
Receptacle Housing

Angle Plug

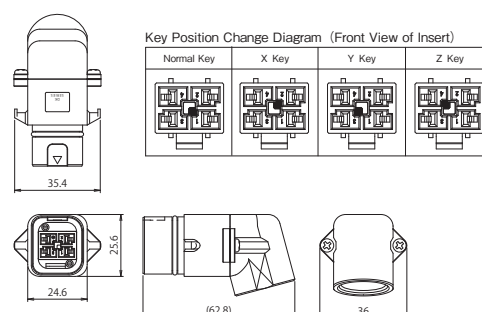
DK-3AP04B □ □ □ -S(R1)

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Tab Housing



Receptacle Housing

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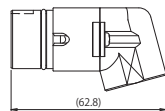
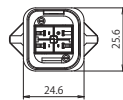
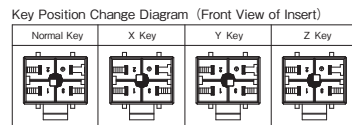
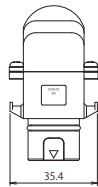
▶ 4 Pin Waterproof Connector

Angle Plug [With Earth Lug]

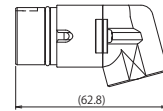
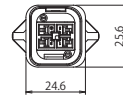
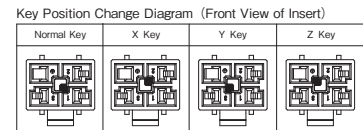
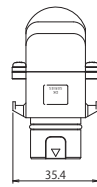
DK-3AP04B □ □ □ -ES(R1)

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Tab Housing



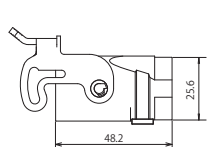
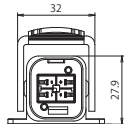
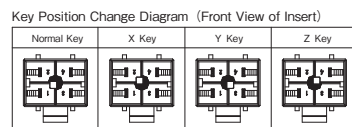
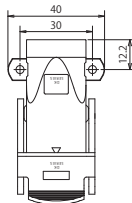
Receptacle Housing

Cable Receptacle

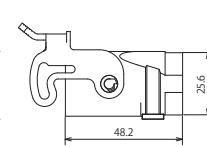
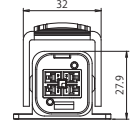
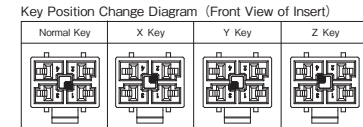
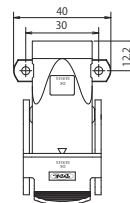
DK-3CR04B □ □ □ -S

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Tab Housing



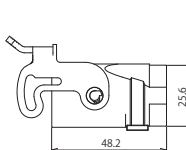
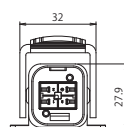
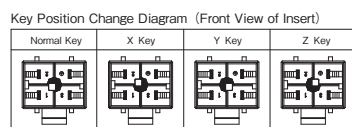
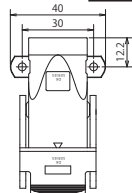
Receptacle Housing

Cable Receptacle [With Earth Lug]

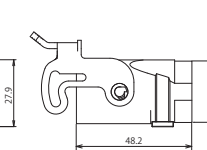
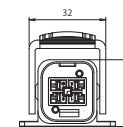
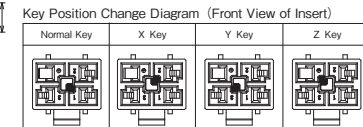
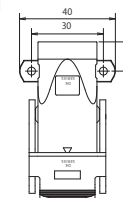
DK-3CR04B □ □ □ -ES

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Tab Housing



Receptacle Housing

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▶ 4 Pin Waterproof Connector

Receptacle

DK-3R04B □ □ □ -S(R1)

Housing Type

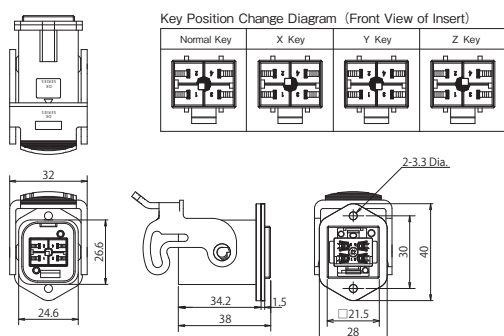
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TC : Tab Housing

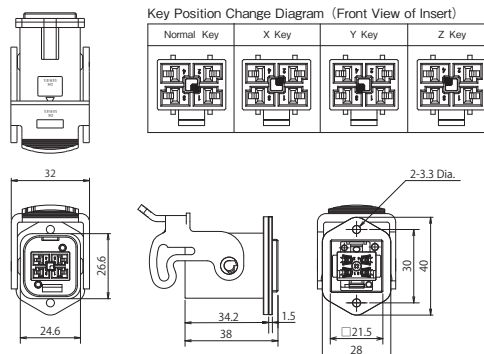
Keying Type

Omit : Normal Key

X : X Key, Y : Y Key, Z : Z Key



Tab Housing



Receptacle Housing

Receptacle 【With Earth Lug】

DK-3R04B □ □ □ -ES(R1)

Housing Type

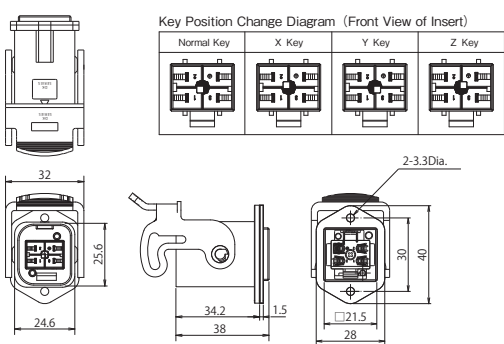
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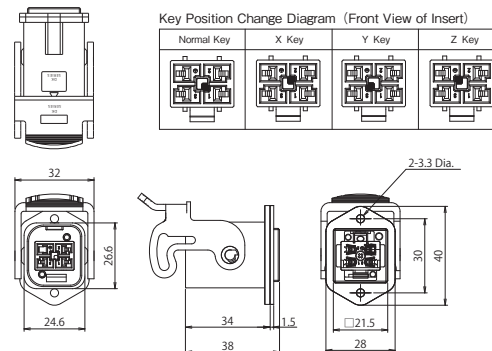
Keying Type

Omit : Normal Key

X : X Key, Y : Y Key, Z : Z Key



Tab Housing



Receptacle Housing

▶ Crimp Contacts

DK-3 Contact

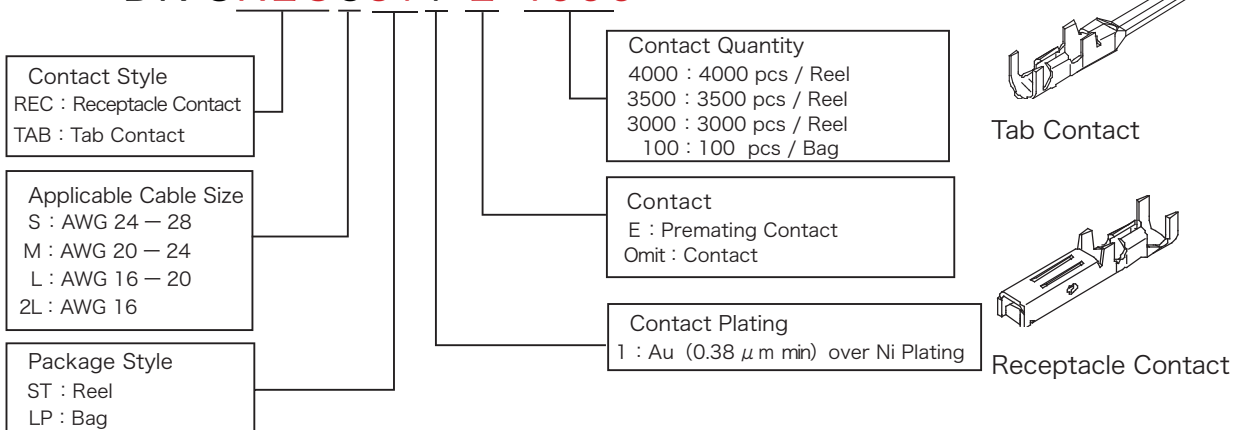
[Contact]

Applicable Cable Size		Insulation O.D. (mm)	Contact Size	Package Style	Part Number		Contact Quantity (pcs)
AWG	mm ²				Receptacle Contact	Tab Contact	
28	0.08	0.8 ~ 1.2	S	Reel	DK-3RECSST1-4000	DK-3ABSST1-4000	4000
26	0.12			Bag	DK-3RECSLP1-100	DK-3ABSLP1-100	100
24	0.20	1.0 ~ 1.4					
24	0.20	1.2 ~ 1.6	M	Reel	DK-3RECMST1-3500	DK-3TABMST1-3500	3500
22	0.30			Bag	DK-3RECMLP1-100	DK-3TABMLP1-100	100
20	0.50	1.7 ~ 2.6					
20	0.50	1.8 ~ 2.8	L	Reel	DK-3RECLST1-3000	DK-3TABLST1-3000	3000
18	0.85			Bag	DK-3RECLLP1-100	DK-3TABLLP1-100	100
16	1.25	2.2 ~ 2.8					
16	1.25	2.2 ~ 2.8	2L	Reel	DK-3REC2LST1-3000	DK-3TAB2LST1-3000	3000
				Bag	DK-3REC2LLP1-100	DK-3TAB2LLP1-100	100

[Premating Contact]

Applicable Cable Size		Insulation O.D. (mm)	Contact Size	Package Style	Part Number		Contact Quantity (pcs)
AWG	mm ²				Receptacle Contact	Tab Contact	
24	0.20	1.2 ~ 1.6	M	Bag	DK-3RECMLP1-E-100	DK-3TABMLP1-E-100	100
22	0.30						
20	0.50	1.7 ~ 2.6					
20	0.50	1.8 ~ 2.8	L	Bag	DK-3RECLLP1-E-100	DK-3TABLLP1-E-100	100
18	0.85						
16	1.25	2.2 ~ 2.8					
16	1.25	2.2 ~ 2.8	2L	Bag	DK-3REC2LLP1-E-100	DK-3TAB2LLP1-E-100	100

DK-3RECST1-E-4000



Keying Plug [Prevent Misinsertion Key]

◆ Used to prevent misinsertion.

Part Number : DK-3KP

MOQ : 100 pcs

