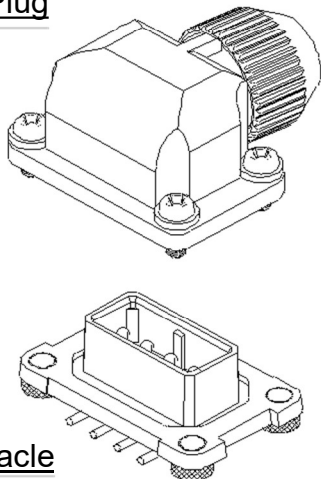
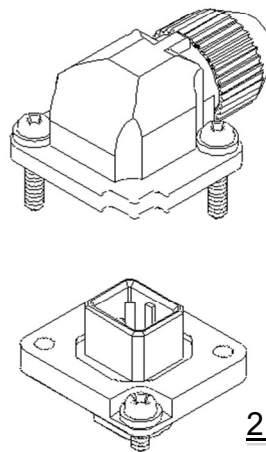




Small Waterproof Connector

CONNECTOR

August 2018

JN4 Series4 contact Angle Plug2 contact Angle Plug4 contact Receptacle2 contact Receptacle

Small waterproof connector developed as an interface for small motors for industrial devices .

Features

All plastic lightweight connector

Plug allover length 27mm, plug height is low profile 13.7mm (4pos.)

Oil resistant, superb environmental proof performance

Waterproof and dustproof that conform to IP67 class (when mated)

Receptacle mounting arrangement

4pos. : fixed to case by mold in method

2pos. : fixed to case with screw by 2 points

Cable pulling out direction of plug can be selected from two directions(180 degrees)

Cable pullout slot for 4pos. plug is in lean of 7 degrees. Plug is selectable from the cabtire or individual cable type.

General Specifications

	Item	Specification and Performance	
		for power (4pos.)	for brake (2 pos.)
1	Rated current	7A max. (per 1pos.)	5A max. (per 1pos.)
2	Rated voltage	200VAC (pollution degree 2, over voltage category II)	200VAC
3	Withstanding voltage	1500VAC	1500VAC
4	Insulation resistance	1000M ohm min. (DC500V energized)	1000M ohm min. (DC500V energized)
5	Waterproof	IP67 (when mated)	IP67 (when mated)
6	Operating temperature	-20 Deg. C to +130 Deg.C	-20 Deg. C to +130 Deg.C
7	Specification of wire connection	Receptacle: Angle trough-hole Plug: Crimp connection (AWG20 to 18)	Receptacle: Crimp connection (AWG22 to 20) Plug: Crimp connection (AWG22 to 20)

Materials and Finishes

1) Receptacle

Components	Materials and Finishes
Pin contact	Copper alloy, Au plating
Pin Insulator	Synthetic resin
Insert nut	Copper alloy
“O” ring	Synthetic rubber

2) Plug

Components	Materials and Finishes
Socket contact	Copper alloy
Socket insulator	Synthetic resin
Hood	Synthetic resin
Grand nut	Synthetic resin
Gasket	Synthetic rubber
Bushing	Synthetic rubber
Plate	Stainless steel
Screw	Steel