

Features

- 3 Pin Cable Connector
- SF20 Series
- Screw Termination
- Female Contacts
- Push-Pull Coupling
- Cable Outer Diameter: 8-12mm
- Used in Factory Automation, Robotics, Industrial Machinery, Railway & Transportation, Aerospace & Defence, Medical Equipment, Renewable Energy Systems etc.

RS PRO Industrial Circular Connectors

RS Stock No.: 206-5132



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RS PRO is the own brand of RS. The RS PRO Seal of Approval is your assurance of professional quality, a guarantee that every part is rigorously tested, inspected, and audited against demanding standards. Making RS PRO the Smart Choice for our customers.

Product Description

The RS Pro SF20 Series offers a range of high-precision, waterproof connectors designed to meet IP67 sealing standards. Featuring a push-pull coupling mechanism, these connectors ensure fast, secure, and reliable mating. The chrome-plated brass housings provide excellent durability while maintaining a sleek, professional appearance.

Available in in-line cable-to-cable and cable-to-panel configurations, the series includes plugs and receptacles with either male pins or female sockets. Suitable for both data and power transmission, the RS Pro SF20 Series is ideal for use in medical, communications, and test & measurement applications.

General Specifications

Number of Contacts	3
Shell Material	Brass with chrome plating
Insert Material	Polyphenylene Sulphide (PPS)
Contact Material	Brass Alloy
Contact Plating	Gold
Pole Format	3P
Contact Gender	Female
Mating Type	Push-Pull
Mating Cycles	500
Colour	Silver

Electrical Specifications

Plug/Socket	Plug
Termination	Screw
Current Rating (A)	10
Voltage Rating (V)	500
Insulation Resistance (M Ω)	2000
Contact Resistance (m Ω)	5

Mechanical Specifications

Connector Series	SF20
Contact Diameter (mm)	ø2.5 x 3
Cable Outer Diameter (mm)	8 - 12
Wire size (mm ² / AWG)	≤1.5 / 15

Operation Environment Specifications

Operating Temperature	-40°C to 85°C
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Protection Category

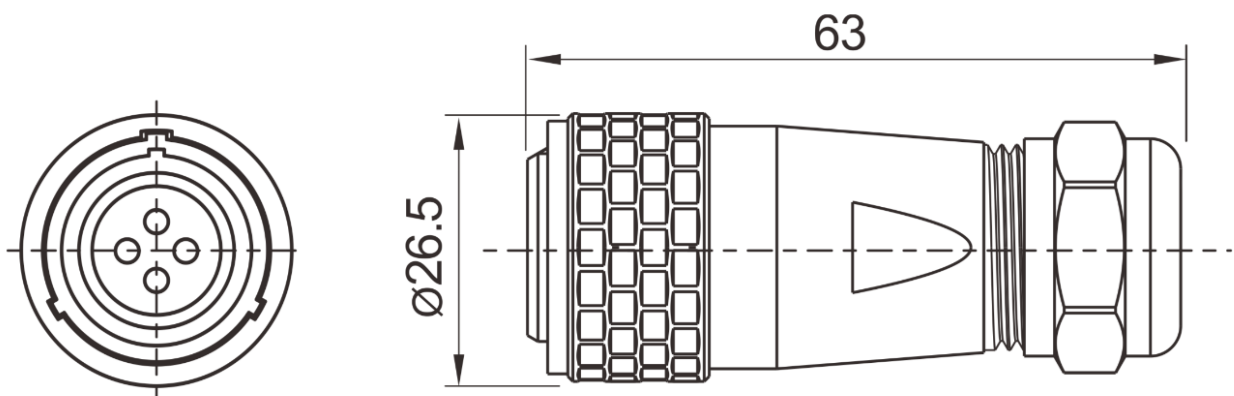
IP Rating	IP67
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Approvals

Compliance/Certifications	RoHS, CE
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Mating Parts

In-line Cable Connector	206-5143
Front Panel Mount	206-5165
Square Flange Panel Mount	206-5186



Contact View



Similar Products

Parameters	206-5129	206-5130	206-5131	<u>206-5132</u>	206-5133
Number of Contacts	2	2	3	3	4
Current Rating	25	10	25	10	25
Voltage Rating	500	500	500	500	500
Contact Gender	Female	Female	Female	Female	Female
Termination Method	Solder	Screw	Solder	Screw	Solder
Wire size (mm ²)	≤4	≤1.5	≤4	≤1.5	≤4
Contact Diameter	ø2.5 x 2	ø2.5 x 2	ø2.5 x 3	ø2.5 x 3	ø2.5 x 4

Parameters	206-5134	206-5135	233-8180	233-8178	206-5136
Number of Contacts	4	5	6	6 (B-format)	7
Current Rating	10	10	25 & 5	30 & 5	10
Voltage Rating	500	500	500	500	500
Contact Gender	Female	Female	Female	Female	Female
Termination Method	Screw	Solder	Solder	Solder	Solder
Wire size (mm ²)	≤1.5	≤2	≤4 & ≤0.75	≤4 & ≤0.75	≤2
Contact Diameter	ø2.5 x 4	ø1.5 x 5	ø2.5 x 4 & ø1 x 2	ø3 x 2 & ø1 x 4	ø1.5 x 7

Parameters	233-8182	206-5137	206-5128	233-8176
Number of Contacts	8	9	12	15
Current Rating	10	5	5	5
Voltage Rating	500	400	400	400
Contact Gender	Female	Female	Female	Female
Termination Method	Solder	Solder	Solder	Solder
Wire size (mm ²)	≤2	≤0.75	≤0.75	≤0.75
Contact Diameter	ø1.5 x 8	ø1 x 9	ø1 x 12	ø1 x 15