

Features

- Threaded Coupling
- IP68
- 2-15 Poles
- Cable to Cable Connections

RS PRO SP21 In-Line Cable Mount Connector

RS Stock No.:

0304656	0304512	0304693
0304659	0304514	0304691
0304662	0304657	0304694
0304666	0304660	0304695
0304665	0304663	0304697
0304671	0304667	0304676
0304669	0304679	0304678
0304672	0304682	0304681
0304673	0304685	0304684
0304675	0304689	0304687
Image for representational purposes only		0304690



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Product Description

The RS Pro SP21 series is a range of lightweight but robust waterproof connectors, which are sealed to IP68. Threaded coupling ensures a secure connection, even in the harshest environments. Plugs and receptacles are available with either male pins or female sockets. These products are ideal for use in outdoor applications where a secure, waterproof connection is required. Updated shell offering an improved seal, which increases reliability and durability.

General Specifications

Housing Material	PC, Nylon66, Fire Resistance: V-0
Size	SP21
Cable outer diameter range	7-12mm
Body Orientation	Straight
Colour	Black
Temperature Range	-40~ +85°C
Mounting Type	In-Line Cable Mount
Mating Cycle	500
Application	Outdoor Lighting, LED Screens, Outdoor Security Cameras, and Industrial Control Systems.

Solder Contact Options

Number of contact	2	3	4	5	5B	5C	6	6B	7	8	9	12	15
Male contact face view													

Screw Contact Options

SP21, SY21, WP20	2	3	4	5
Male contact face view				

Electrical Specifications

RS Article Number	0304656	0304659	0304662	0304666	0304665	0304671
Specification	2 Pin	3 Pin	4 Pin	5 Pin	5 Pin (C)	6 Pin
Rated Current (A)	30	30	30	30	15	25, 5
Contact Diameter (Ø mm)	3	3	3	3	2	2.5, 1
Rated Voltage (AC.V)	500	500	500	500	500	500
Test Voltage (AV.V) 1 min	1500	1500	1500	1500	1500	1500
Contact Resistance (m Ω)	1	1	1	1	2.5	1, 5
Wire Size (mm ² / AWG)	≤4/14	≤4/14	≤4/14	≤4/14	≤2/14	≤4/12, ≤0.75/18
Contact Gender	Male	Male	Male	Male	Male	Male
Shell Type	Receptacle	Receptacle	Receptacle	Receptacle	Receptacle	Receptacle
Termination	Solder	Solder	Solder	Solder	Solder	Solder

RS Article Number	0304669	0304672	0304673	0304675	0304512	0304514
Specification	6 Pin (B)	7 Pin	8 Pin	9 Pin	12 Pin	15 Pin
Rated Current (A)	30, 5	15	10	5	5	5
Contact Diameter (Ø mm)	3, 1	2	1.5	1	1	1
Rated Voltage (AC.V)	500	500	500	400	400	400
Test Voltage (AV.V) 1 min	1500	1500	1500	1200	1200	1200
Contact Resistance (m Ω)	1, 5	2.5	2.5	5	5	5
Wire Size (mm ² / AWG)	≤4/12, ≤0.75/18	≤2/14	≤2/14	≤0.75/18	≤0.75/18	≤0.75/18
Contact Gender	Male	Male	Male	Male	Male	Male
Shell Type	Receptacle	Receptacle	Receptacle	Receptacle	Receptacle	Receptacle
Termination	Solder	Solder	Solder	Solder	Solder	Solder

RS Article Number	0304679	0304682	0304685	0304689	0304688	0304693
Specification	2 Pin	3 Pin	4 Pin	5 Pin	5 Pin (C)	6 Pin
Rated Current (A)	30	30	30	30	15	25, 5
Contact Diameter (Ø mm)	3	3	3	3	2	2.5, 1
Rated Voltage (AC.V)	500	500	500	500	500	500
Test Voltage (AV.V) 1 min	1500	1500	1500	1500	1500	1500
Contact Resistance (m Ω)	1	1	1	1	2.5	1, 5
Wire Size (mm ² / AWG)	≤4/14	≤4/14	≤4/14	≤4/14	≤2/14	≤4/12, ≤0.75/18
Contact Gender	Female	Female	Female	Female	Female	Female
Shell Type	Receptacle	Receptacle	Receptacle	Receptacle	Receptacle	Receptacle
Termination	Solder	Solder	Solder	Solder	Solder	Solder

RS Article Number	0304691	0304694	0304695	0304697	0304676	0304678
Specification	6 Pin (B)	7 Pin	8 Pin	9 Pin	12 Pin	15 Pin
Rated Current (A)	30, 5	15	10	5	5	5
Contact Diameter (Ø mm)	3, 1	2	1.5	1	1	1
Rated Voltage (AC.V)	500	500	500	400	400	400
Test Voltage (AV.V) 1 min	1500	1500	1500	1200	1200	1200
Contact Resistance (m Ω)	1, 5	2.5	2.5	5	5	5
Wire Size (mm ² / AWG)	≤4/12, ≤0.75/18	≤2/14	≤2/14	≤0.75/18	≤0.75/18	≤0.75/18
Contact Gender	Female	Female	Female	Female	Female	Female
Shell Type	Receptacle	Receptacle	Receptacle	Receptacle	Receptacle	Receptacle
Termination	Solder	Solder	Solder	Solder	Solder	Solder

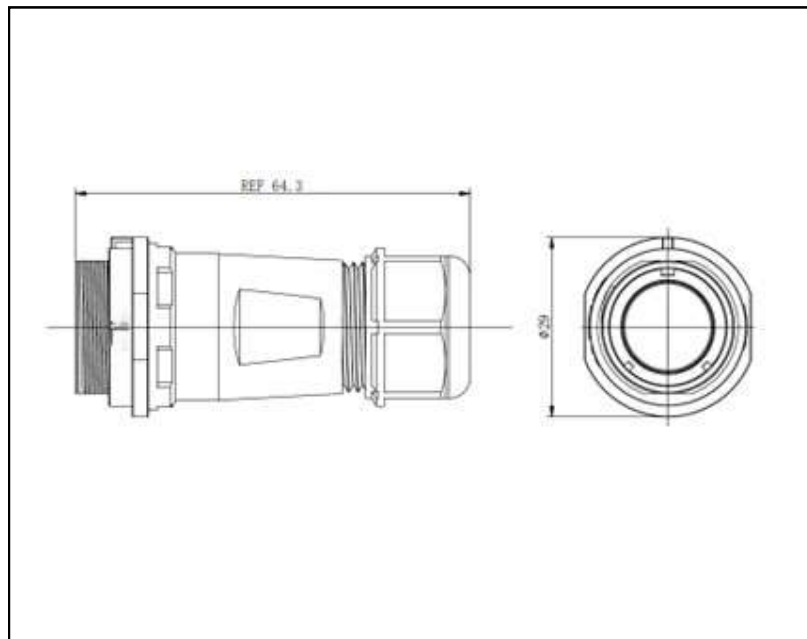
Electrical Specifications

RS Article Number	0304657	0304660	0304663	0304667
Specification	2 Pin	3 Pin	4 Pin	5 Pin
Rated Current (A)	10	10	10	10
Contact Diameter (Ø mm)	3	3	3	3
Rated Voltage (AC.V)	500	500	500	500
Test Voltage (AV.V) 1 min	1500	1500	1500	1500
Contact Resistance (m Ω)	1	1	1	1
Wire Size (mm ² / AWG)	Min:0.5/20, Max:1.5/15	Min:0.5/20, Max:1.5/15	Min:0.5/20, Max:1.5/15	Min:0.5/20, Max:1.5/15
Contact Gender	Male	Male	Male	Male
Shell Type	Receptacle	Receptacle	Receptacle	Receptacle
Termination	Screw	Screw	Screw	Screw

RS Article Number	0304681	0304684	0304687	0304690
Specification	2 Pin	3 Pin	4 Pin	5 Pin
Rated Current (A)	10	10	10	10
Contact Diameter (Ø mm)	3	3	3	3
Rated Voltage (AC.V)	500	500	500	500
Test Voltage (AV.V) 1 min	1500	1500	1500	1500
Contact Resistance (m Ω)	1	1	1	1
Wire Size (mm ² / AWG)	Min:0.5/20, Max:1.5/15	Min:0.5/20, Max:1.5/15	Min:0.5/20, Max:1.5/15	Min:0.5/20, Max:1.5/15
Contact Gender	Female	Female	Female	Female
Shell Type	Receptacle	Receptacle	Receptacle	Receptacle
Termination	Screw	Screw	Screw	Screw

IP Rating	IP68
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Dimensional Line Drawings



Connection Diagrams / Assembly Diagrams / Illustrations / Accessories