

Features

- Threaded Coupling
- IP68
- 2-15 Poles
- Plug & Socket Set
- Cable to Cable Connections

Product Description

RS PRO SP21 In-Line Cable Mount Connector

RS Stock No.:

0304413	0304323
0304414	0304325
0304417	0304326
0304421	0304410
0304420	0304411
0304322	0304415
0304424	0304418
	0304423

Image for representational purposes only



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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

SP21 In-Line Cable Mount Connector



RS Article Number (Set)	0304413		0304414	
RS Article Number (Individual)	SP2110/P2II-1N-B-NP	SP2111C/S2II-1N-B-NP	SP2110/P3II-1N-B-NP	SP2111C/S3II-1N-B-NP
Specification	2 Pin	2 Pin	3 Pin	3 Pin
Rated Current (A)	30	30	30	30
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)	≤4/14	≤4/14	≤4/14	≤4/14
Contact Gender	Male	Female	Male	Female
Shell Type	Plug	Receptacle	Plug	Receptacle
Termination	Solder	Solder	Solder	Solder

RS Article Number (Set)	0304417		0304421	
RS Article Number (Individual)	SP2110/P4II-1N-B-NP	SP2111C/S4II-1N-B-NP	SP2110/P5II-1N-B-NP	SP2111C/S5II-1N-B-NP
Specification	4 Pin	4 Pin	5 Pin	5 Pin
Rated Current (A)	30	30	30	30
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)	≤4/14	≤4/14	≤4/14	≤4/14
Contact Gender	Male	Female	Male	Female
Shell Type	Plug	Receptacle	Plug	Receptacle
Termination	Solder	Solder	Solder	Solder

Electrical Specifications

SP21 In-Line Cable Mount Connector



RS Article Number (Set)	0304420		0304322	
RS Article Number (Individual)	SP2110/P5CII-1N-B-NP	SP2111C/S5CII-1N-B-NP	SP2110/P6II-1N-B-NP	SP2111C/S6II-1N-B-NP
Specification	5 Pin (C)	5 Pin (C)	6 Pin	6 Pin
Rated Current (A)	15	15	25, 5	25, 5
Contact Diameter (Ø mm)	2	2	2.5, 1	2.5, 1
Rated Voltage (AC.V)	500	500	500	500
Test Voltage (AV.V) 1 min	1500	1500	1500	1500
Contact Resistance (m Ω)	2.5	2.5	1, 5	1, 5
Wire Size (mm ² / AWG)	≤2/14	≤2/14	≤4/12, ≤0.75/18	≤4/12, ≤0.75/18
Contact Gender	Male	Female	Male	Female
Shell Type	Plug	Receptacle	Plug	Receptacle
Termination	Solder	Solder	Solder	Solder

RS Article Number (Set)	0304424		0304323	
RS Article Number (Individual)	SP2110/P6BII-1N-B-NP	SP2111C/S6BII-1N-B-NP	SP2110/P7II-1N-B-NP	SP2111C/S7II-1N-B-NP
Specification	6 Pin (B)	6 Pin (B)	7 Pin	7 Pin
Rated Current (A)	30, 5	30, 5	15	15
Contact Diameter (Ø mm)	3, 1	3, 1	2	2
Rated Voltage (AC.V)	500	500	500	500
Test Voltage (AV.V) 1 min	1500	1500	1500	1500
Contact Resistance (m Ω)	1, 5	1, 5	2.5	2.5
Wire Size (mm ² / AWG)	≤4/12, ≤0.75/18	≤4/12, ≤0.75/18	≤2/14	≤2/14
Contact Gender	Male	Female	Male	Female
Shell Type	Plug	Receptacle	Plug	Receptacle
Termination	Solder	Solder	Solder	Solder

Electrical Specifications

SP21 In-Line Cable Mount Connector



RS Article Number (Set)	0304325		0304326	
RS Article Number (Individual)	SP2110/P8II-1N-B-NP	SP2111C/S8II-1N-B-NP	SP2110/P9II-1N-B-NP	SP2111C/S9II-1N-B-NP
Specification	8 Pin	8 Pin	9 Pin	9 Pin
Rated Current (A)	10	10	5	5
Contact Diameter (Ø mm)	1.5	1.5	1	1
Rated Voltage (AC.V)	500	500	400	400
Test Voltage (AV.V) 1 min	1500	1500	1200	1200
Contact Resistance (m Ω)	2.5	2.5	5	5
Wire Size (mm ² / AWG)	≤2/14	≤2/14	≤0.75/18	≤0.75/18
Contact Gender	Male	Female	Male	Female
Shell Type	Plug	Receptacle	Plug	Receptacle
Termination	Solder	Solder	Solder	Solder

RS Article Number (Set)	0304410		0304411	
RS Article Number (Individual)	SP2110/P12II-1N-B-NP	SP2111C/S12II-1N-B-NP	SP2110/P15II-1N-B-NP	SP2111C/S15II-1N-B-NP
Specification	12 Pin	12 Pin	15 Pin	15 Pin
Rated Current (A)	5	5	5	5
Contact Diameter (Ø mm)	1	1	1	1
Rated Voltage (AC.V)	400	400	400	400
Test Voltage (AV.V) 1 min	1200	1200	1200	1200
Contact Resistance (m Ω)	5	5	5	5
Wire Size (mm ² / AWG)	≤0.75/18	≤0.75/18	≤0.75/18	≤0.75/18
Contact Gender	Male	Female	Male	Female
Shell Type	Plug	Receptacle	Plug	Receptacle
Termination	Solder	Solder	Solder	Solder

Electrical Specifications

SP21 In-Line Cable Mount Connector



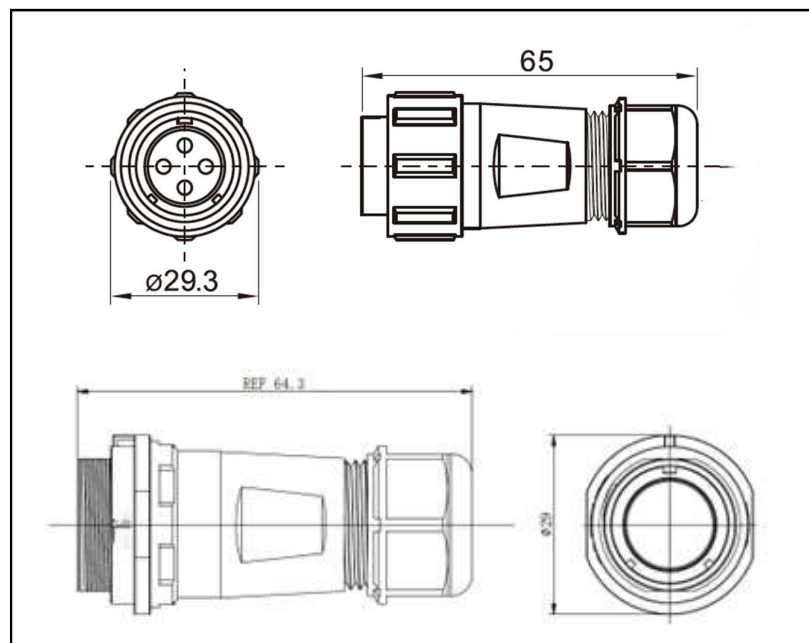
RS Article Number (Set)	0304415		0304418	
RS Article Number (Individual)	SP2110/P3II-2N-B-NP	SP2111C/S3II-2N-B-NP	SP2110/P4II-2N-B-NP	SP2111C/S4II-2N-B-NP
Specification	3 Pin	3 Pin	4 Pin	4 Pin
Rated Current (A)	10	10	10	10
Contact Diameter (Ø mm)	3	3	3	3
Rated Voltage (AC.V)	500	500	500	500
Test Voltage (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	Female	Male	Female
Shell Type	Plug	Receptacle	Plug	Receptacle
Termination	Screw	Screw	Screw	Screw

RS Article Number (Set)	0304423	
RS Article Number (Individual)	SP2110/S5II-2N-B-NP	SP2111C/S5II-2N-B-NP
Specification	5 Pin	5 Pin
Rated Current (A)	10	10
Contact Diameter (Ø mm)	3	3
Rated Voltage (AC.V)	500	500
Test Voltage (AV.V) 1 min	1500	1500
Contact Resistance (m Ω)	1	1
Wire Size (mm ² / AWG)	Min:0.5/20, Max:1.5/15	Min:0.5/20, Max:1.5/15
Contact Gender	Male	Female
Shell Type	Plug	Receptacle
Termination	Screw	Screw

Protection Category

IP Rating	IP68
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Dimensional Line Drawings



Connection Diagrams / Assembly Diagrams / Illustrations / Accessories