Features

- Threaded Coupling
- IP68
- 2-9 Poles
- Plug & Socket Set
- Cable to Cable Connections

RS PRO SP13 In-Line Cable Mount Connector

RS Stock No.:

0304384
0304385
0304386
0304388
0304389
0304390
0304391

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Product Description

SP13 In-Line Cable Mount Connector

The RS Pro SP13 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	SP13
Cable outer diameter range	For 2-5 Poles: 4-6.5mm For 6-9 Poles: 5-8mm
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	6	7	9
Male contact face view							

Electrical Specifications

RS Article Number (Set)	0304384		0304385	
RS Article Number (Individual)	SP1310/P2I-N-B-NP	SP1311C/S2I-N-B-NP	SP1310/P3I-N-B-NP	SP1311C/S3I-N-B-NP
Specification	2 Pin	2 Pin	3 Pin	3 Pin
Rated Current (A)	13	13	13	13
Contact Diameter (Ø mm)	1.6	1.6	1.6	1.6
Rated Voltage (AC.V)	250	250	250	250
Test Voltage (AV.V) 1 min	1500	1500	1500	1500
Contact Resistance (m Ω)	2.5	2.5	2.5	2.5
Wire Size (mm² / AWG)	≤2/14	≤2/14	≤2/14	≤2/14
Contact Gender	Male	Female	Male	Female
Shell Type	Plug	Receptacle	Plug	Receptacle
Termination	Solder	Solder	Solder	Solder

RS Article Number (Set)	0304386		0304388	
RS Article Number (Individual)	SP1310/P4I-N-B-NP	SP1311C/S4I-N-B-NP	SP1310/P5I-N-B-NP	SP1311C/S5I-N-B-NP
Specification	4 Pin	4 Pin	5 Pin	5 Pin
Rated Current (A)	5	5	5	5
Contact Diameter (Ø mm)	1	1	1	1
Rated Voltage (AC.V)	200	200	180	180
Test Voltage (AV.V) 1 min	1500	1500	1000	1000
Contact Resistance (m Ω)	5	5	5	5
Wire Size (mm² / 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

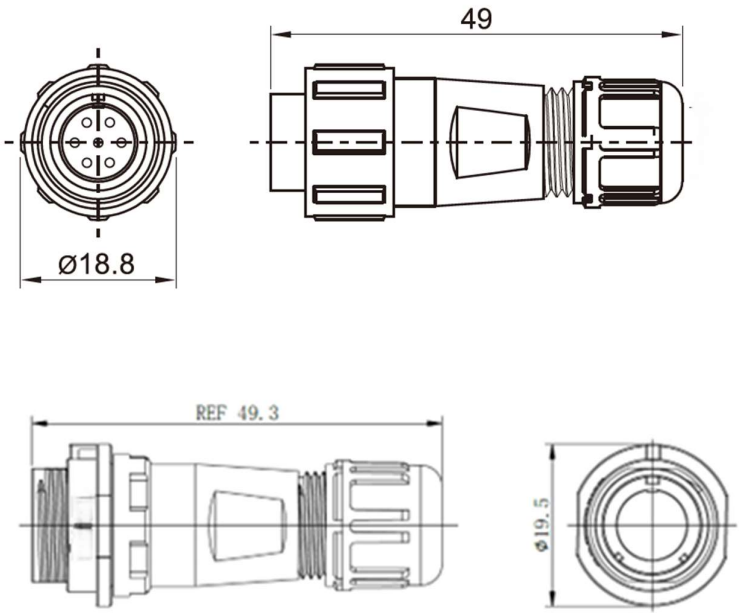
Electrical Specifications

RS Article Number (Set)	0304389		0304390	
RS Article Number (Individual)	SP1310/P6II-N-B-NP	SP1311C/S6II-N-B-NP	SP1310/P7II-N-B-NP	SP1311C/S7II-N-B-NP
Specification	6 Pin	6 Pin	7 Pin	7 Pin
Rated Current (A)	5	5	5	5
Contact Diameter (Ø mm)	1	1	1	1
Rated Voltage (AC.V)	125	125	125	125
Test Voltage (AV.V) 1 min	1000	1000	1000	1000
Contact Resistance (m Ω)	5	5	5	5
Wire Size (mm² / 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

RS Article Number (Set)	0304391	
RS Article Number (Individual)	SP1310/P9II-N-B-NP	SP1311C/S9II-N-B-NP
Specification	9 Pin	9 Pin
Rated Current (A)	3	3
Contact Diameter (Ø mm)	0.7	0.7
Rated Voltage (AC.V)	125	125
Test Voltage (AV.V) 1 min	1000	1000
Contact Resistance (m Ω)	10	10
Wire Size (mm² / AWG)	≤0.5/20	≤0.5/20
Contact Gender	Male	Female
Shell Type	Plug	Receptacle
Termination	Solder	Solder

IP Rating	IP68

Dimensional Line Drawings



Connection Diagrams / Assembly Diagrams / Illustrations / Accessories