

RS PRO SP29 In-Line Cable Mount Connector

RS Stock No.:

Features

- Threaded Coupling
- IP68
- 2-35 Poles
- Plug & Socket Set
- Cable to Cable Connections

0304339	0304335
0304342	0304336
0304345	0304338
0304348	0304341
0304351	0304340
0304354	0304344
0304328	0304347
0304331	0304350
0304332	0304353
0304334	0304329



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. Making RS PRO the Smart Choice for our customers.

Product Description

The RS Pro SP29 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	SP29
Cable outer diameter range	13-16mm
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	7	8	9	10	12	16	17	20	24	26	35
Male contact face view														

Screw Contact Options

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

Electrical Specifications

SP29 In-Line Cable Mount Connector



RS Article Number (Set)	0304339		0304342	
RS Article Number (Individual)	SP2910/P2II-1C-B-NP	SP2911C/S2II-1C-B-NP	SP2910/P3II-1C-B-NP	SP2911C/S3II-1C-B-NP
Specification	2 Pin	2 Pin	3 Pin	3 Pin
Rated Current (A)	50	50	50	50
Contact Diameter (Ø mm)	3.5	3.5	3.5	3.5
Rated Voltage (AC.V)	500	500	500	500
Test Voltage (AV.V) 1 min	1500	1500	1500	1500
Contact Resistance (m Ω)	0.5	0.5	0.5	0.5
Wire Size (mm ² / AWG)	≤10/7	≤10/7	≤10/7	≤10/7
Contact Gender	Male	Female	Male	Female
Shell Type	Plug	Receptacle	Plug	Receptacle
Termination	Solder	Solder	Solder	Solder

RS Article Number (Set)	0304345		0304348	
RS Article Number (Individual)	SP2910/P4II-1C-B-NP	SP2911C/S4II-1C-B-NP	SP2910/P7II-1C-B-NP	SP2911C/S7II-1C-B-NP
Specification	4 Pin	4 Pin	7 Pin	7 Pin
Rated Current (A)	25	25	25	25
Contact Diameter (Ø mm)	2.5	2.5	2.5	2.5
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)	≤4/11	≤4/11	≤4/11	≤4/11
Contact Gender	Male	Female	Male	Female
Shell Type	Plug	Receptacle	Plug	Receptacle
Termination	Solder	Solder	Solder	Solder

RS Article Number (Set)	0304351		0304354	
RS Article Number (Individual)	SP2910/P8II-1C-B-NP	SP2911C/S8II-1C-B-NP	SP2910/P9II-1C-B-NP	SP2911C/S9II-1C-B-NP
Specification	8 Pin	8 Pin	9 Pin	9 Pin
Rated Current (A)	25	25	25, 5	25, 5
Contact Diameter (Ø mm)	2.5	2.5	2.5X4, 1X5	2.5X4, 1X5
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, 5	1, 5
Wire Size (mm ² / AWG)	≤4/11	≤4/11	≤4/11, ≤0.75/18	≤4/11, ≤0.75/18
Contact Gender	Male	Female	Male	Female
Shell Type	Plug	Receptacle	Plug	Receptacle
Termination	Solder	Solder	Solder	Solder

RS Article Number (Set)	0304328		0304331	
RS Article Number (Individual)	SP2910/P10II-1C-B-NP	SP2911C/S10II-1C-B-NP	SP2910/P12II-1C-B-NP	SP2911C/S12II-1C-B-NP
Specification	10 Pin	10 Pin	12 Pin	12 Pin
Rated Current (A)	25	25	10	10
Contact Diameter (Ø mm)	2.5	2.5	1.5	1.5
Rated Voltage (AC.V)	500	500	500	500
Test Voltage (AV.V) 1 min	1500	1500	1500	1500
Contact Resistance (m Ω)	1	1	2.5	2.5
Wire Size (mm ² / AWG)	≤4/11	≤4/11	≤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)	0304332		0304334	
RS Article Number (Individual)	SP2910/P16II-1C-B-NP	SP2911C/S16II-1C-B-NP	SP2910/P17II-1C-B-NP	SP2911C/S17II-1C-B-NP
Specification	16 Pin	16 Pin	17 Pin	17 Pin
Rated Current (A)	10	10	10	10
Contact Diameter (Ø mm)	1.5	1.5	1.5	1.5
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	2.5	2.5
Wire Size (mm ² / 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)	0304335		0304336	
RS Article Number (Individual)	SP2910/P20II-1C-B-NP	SP2911C/S20II-1C-B-NP	SP2910/P24II-1C-B-NP	SP2911C/S24II-1C-B-NP
Specification	20 Pin	20 Pin	24 Pin	24 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

RS Article Number (Set)	0304338		0304341	
RS Article Number (Individual)	SP2910/P26II-1C-B-NP	SP2911C/S26II-1C-B-NP	SP2910/P35II-1C-B-NP	SP2911C/S35II-1C-B-NP
Specification	26 Pin	26 Pin	35 Pin	35 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

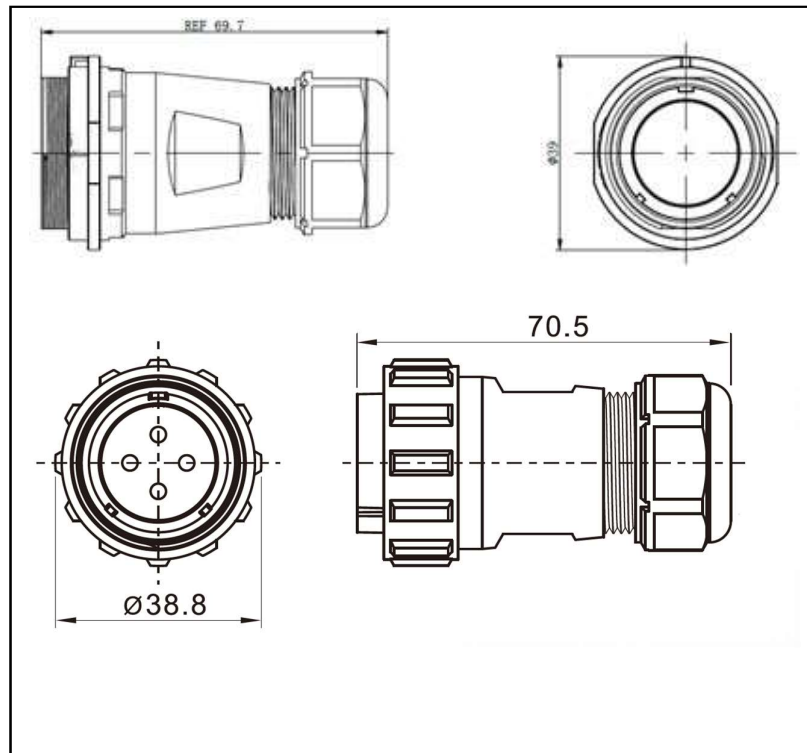
RS Article Number (Set)	0304340		0304344	
RS Article Number (Individual)	SP2910/P2II-2C-B-NP	SP2911C/S2II-2C-B-NP	SP2910/P3II-2C-B-NP	SP2911C/S3II-2C-B-NP
Specification	2 Pin	2 Pin	3 Pin	3 Pin
Rated Current (A)	32	32	32	32
Contact Diameter (Ø mm)	3.5	3.5	3.5	3.5
Rated Voltage (AC.V)	500	500	500	500
Test Voltage (AV.V) 1 min	1500	1500	1500	1500
Contact Resistance (m Ω)	0.5	0.5	0.5	0.5
Wire Size (mm ² / AWG)	≤6/10	≤6/10	≤6/10	≤6/10
Contact Gender	Male	Female	Male	Female
Shell Type	Plug	Receptacle	Plug	Receptacle
Termination	Screw	Screw	Screw	Screw

RS Article Number (Set)	0304347		0304350	
RS Article Number (Individual)	SP2910/P4II-2C-B-NP	SP2911C/S4II-2C-B-NP	SP2910/P7II-2C-B-NP	SP2911C/S7II-2C-B-NP
Specification	4 Pin	4 Pin	7 Pin	7 Pin
Rated Current (A)	10	10	10	10
Contact Diameter (Ø mm)	2.5	2.5	2.5	2.5
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)	≤1.5/15	≤1.5/15	≤1.5/15	≤1.5/15
Contact Gender	Male	Female	Male	Female
Shell Type	Plug	Receptacle	Plug	Receptacle
Termination	Screw	Screw	Screw	Screw

RS Article Number (Set)	0304353		0304329	
RS Article Number (Individual)	SP2910/P8II-2C-B-NP	SP2911C/S8II-2C-B-NP	SP2910/P10II-2C-B-NP	SP2911C/S10II-2C-B-NP
Specification	8 Pin	8 Pin	10 Pin	10 Pin
Rated Current (A)	10	10	10	10
Contact Diameter (Ø mm)	2.5	2.5	2.5	2.5
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)	≤1.5/15	≤1.5/15	≤1.5/15	≤1.5/15
Contact Gender	Male	Female	Male	Female
Shell Type	Plug	Receptacle	Plug	Receptacle
Termination	Screw	Screw	Screw	Screw

IP Rating	IP68
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Dimensional Line Drawings



Connection Diagrams / Assembly Diagrams / Illustrations / Accessories