

RS PRO SP29 In-Line Cable Mount Connector

RS Stock No.:

Features

- Threaded Coupling
- IP68
- 2-35 Poles
- Cable to Cable Connections

0304515	0304516
0304518	0304519
0304520	0304521
0304522	0304524
0304525	0304527
0304528	0304530
0304531	0304533
0304534	0304536
0304537	0304538
0304540	0304542
0304543	0304544
0304546	0304547
0304549	0304550
0304552	0304553
0304698	0304700
0304701	0304702
0304704	0304705
0304707	0304708
0304710	0304711
0304713	0304714



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

SA28, SP29, SY29 WS28, WF28, WY28	2	3	4	7	8	10
Male contact face view						

Electrical Specifications

RS Article Number	0304525	0304698	0304527	0304700	0304530	0304702	0304531	0304704
Specification	2 Pin	2 Pin	2 Pin	2 Pin	3 Pin	3 Pin	3 Pin	3 Pin
Rated Current (A)	50	50	32	32	50	50	32	32
Contact Diameter (Ø mm)	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Rated Voltage (AC.V)	500	500	500	500	500	500	500	500
Test Voltage (AV.V) 1 min	1500	1500	1500	1500	1500	1500	1500	1500
Contact Resistance (m Ω)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Wire Size (mm ² / AWG)	≤10/7	≤10/7	≤6/10	≤6/10	≤10/7	≤10/7	≤6/10	≤6/10
Contact Gender	Male	Female	Male	Female	Male	Female	Male	Female
Shell Type	Receptacle	Receptacle	Receptacle	Receptacle	Receptacle	Receptacle	Receptacle	Receptacle
Termination	Solder	Solder	Screw	Screw	Solder	Solder	Screw	Screw

RS Article Number	0304533	0304705	0304534	0304707	0304536	0304708
Specification	4 Pin	4 Pin	4 Pin	4 Pin	7 Pin	7 Pin
Rated Current (A)	25	25	10	10	25	25
Contact Diameter (Ø mm)	2.5	2.5	2.5	2.5	2.5	2.5
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	1	1
Wire Size (mm ² / AWG)	≤4/11	≤4/11	≤1.5/15	≤1.5/15	≤4/11	≤4/11

Contact Gender	Male	Female	Male	Female	Male	Female
Shell Type	Receptacle	Receptacle	Receptacle	Receptacle	Receptacle	Receptacle
Termination	Solder	Solder	Screw	Screw	Solder	Solder

Electrical Specifications

RS Article Number	0304515	0304543	0304516	0304544	0304518	0304546
Specification	10 Pin	10 Pin	10 Pin	10 Pin	12 Pin	12 Pin
Rated Current (A)	25	25	10	10	10	10
Contact Diameter (Ø mm)	2.5	2.5	2.5	2.5	1.5	1.5
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	2.5
Wire Size (mm² / AWG)	≤4/11	≤4/11	≤1.5/15	≤1.5/15	≤2/14	≤2/14
Contact Gender	Male	Female	Male	Female	Male	Female
Shell Type	Receptacle	Receptacle	Receptacle	Receptacle	Receptacle	Receptacle
Termination	Solder	Solder	Screw	Screw	Solder	Solder

RS Article Number	0304710	0304537	0304538	0304711	0304540	0304713	0304542	0304714
Specification	7 Pin	7 Pin	8 Pin	8 Pin	8 Pin	8 Pin	9 Pin	9 Pin
Rated Current (A)	10	10	25	25	10	10	25 5	25 5
Contact Diameter (Ø mm)	2.5	2.5	2.5	2.5	2.5	2.5	2.5X4 1X5	2.5X4 1X5
Rated Voltage (AC.V)	500	500	500	500	500	500	500	500
Test Voltage (AV.V) 1 min	1500	1500	1500	1500	1500	1500	1500	1500
Contact Resistance (m Ω)	1	1	1	1	1	1	1 5	1 5
Wire Size (mm² / AWG)	≤1.5/15	≤1.5/15	≤4/11	≤4/11	≤1.5/15	≤1.5/15	≤4/11 ≤0.75/18	≤4/11 ≤0.75/18
Contact Gender	Female	Male	Male	Female	Male	Female	Male	Female
Shell Type	Receptacle	Receptacle	Receptacle	Receptacle	Receptacle	Receptacle	Receptacle	Receptacle
Termination	Screw	Screw	Solder	Solder	Screw	Screw	Solder	Solder

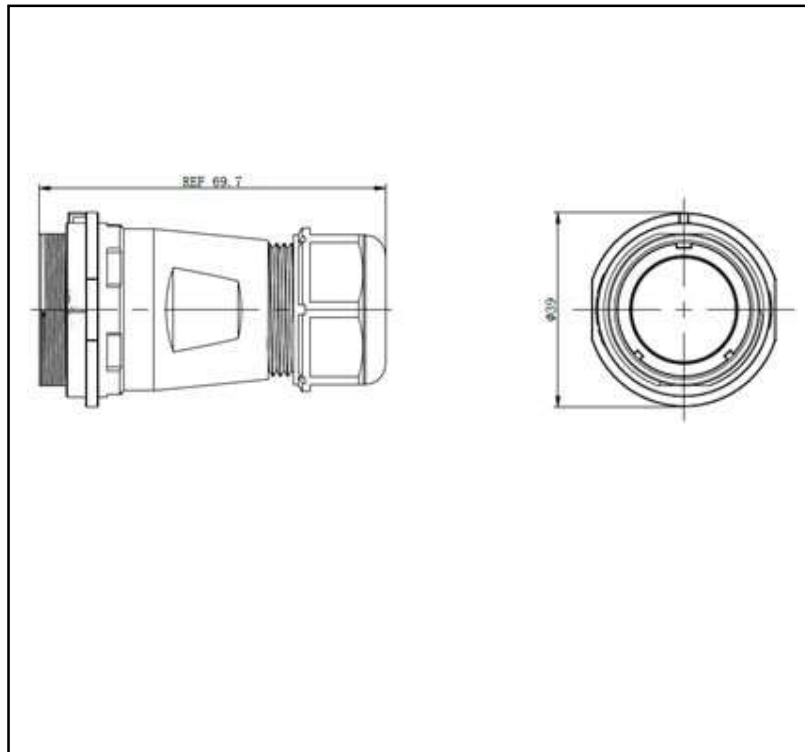
RS Article Number	0304519	0304547	0304520	0304549	0304521	0304550
Specification	16 Pin	16 Pin	17 Pin	17 Pin	20 Pin	20 Pin
Rated Current (A)	10	10	10	10	5	5
Contact Diameter (Ø mm)	1.5	1.5	1.5	1.5	1	1
Rated Voltage (AC.V)	500	500	500	500	400	400
Test Voltage (AV.V) 1 min	1500	1500	1500	1500	1200	1200
Contact Resistance (m Ω)	2.5	2.5	2.5	2.5	5	5
Wire Size (mm ² / AWG)	≤2/14	≤2/14	≤2/14	≤2/14	≤0.75/18	≤0.75/18
Contact Gender	Male	Female	Male	Female	Male	Female
Shell Type	Receptacle	Receptacle	Receptacle	Receptacle	Receptacle	Receptacle
Termination	Solder	Solder	Solder	Solder	Solder	Solder

RS Article Number	0304522	0304552	0304524	0304553	0304528	0304701
Specification	24 Pin	24 Pin	26 Pin	26 Pin	35 Pin	35 Pin
Rated Current (A)	5	5	5	5	5	5
Contact Diameter (Ø mm)	1	1	1	1	1	1
Rated Voltage (AC.V)	400	400	400	400	400	400
Test Voltage (AV.V) 1 min	1200	1200	1200	1200	1200	1200
Contact Resistance (m Ω)	5	5	5	5	5	5
Wire Size (mm ² / AWG)	≤0.75/18	≤0.75/18	≤0.75/18	≤0.75/18	≤0.75/18	≤0.75/18
Contact Gender	Male	Female	Male	Female	Male	Female
Shell Type	Receptacle	Receptacle	Receptacle	Receptacle	Receptacle	Receptacle
Termination	Solder	Solder	Solder	Solder	Solder	Solder

Protection Category

IP Rating	IP68
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Dimensional Line Drawings



Connection Diagrams / Assembly Diagrams / Illustrations / Accessories