

Features

- Bayonet Coupling
- IP67
- 2-35 Poles
- Cable to Cable Connections

RS PRO SY29 In-Line Cable Mount Connector

RS Stock No.:

0303957	0303959
0303960	0303962
0303963	0303965
0303966	0303967
0304594	0304596
0304597	0304599
0304600	0304601
0304603	0304604
0304606	0304607
0304609	0304610
0304612	0304613
0304615	0304616
0304617	0304619
0304621	0304622
0304623	0304625



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## Product Description

The RS Pro SY29 series is a range of lightweight but robust waterproof connectors, which are sealed to IP67. Bayonet style 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

<b>Housing Material</b>	PC, Nylon66, Fire Resistance: V-0
<b>Size</b>	SY29
<b>Cable outer diameter range</b>	13-16mm
<b>Body Orientation</b>	Straight
<b>Colour</b>	Black
<b>Temperature Range</b>	-40~ +85°C
<b>Mounting Type</b>	In-Line Cable Mount
<b>Mating Cycle</b>	500
<b>Application</b>	Outdoor Lighting, LED Screens, Outdoor Security Cameras, and Industrial Control Systems.

## Solder Contact Options

Number of contact	2	3	4	7	8	8B	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	0303967	0304615	0304596	0304617	0304597	0304619	0304599	0304621	0304601	0304623
Specification	2 Pin	2 Pin	3 Pin	3 Pin	4 Pin	4 Pin	7 Pin	7 Pin	8 Pin	8 Pin
Rated Current (A)	32	32	32	32	10	10	10	10	10	10
Contact Diameter (Ø mm)	3.5	3.5	3.5	3.5	2.5	2.5	2.5	2.5	2.5	2.5
Rated Voltage (AC.V)	500	500	500	500	500	500	500	500	500	500
Test Voltage (AV.V) 1 min	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
Contact Resistance (m Ω)	0.5	0.5	0.5	0.5	1	1	1	1	1	1
Wire Size (mm <sup>2</sup> / AWG)	≤6/10	≤6/10	≤6/10	≤6/10	≤1.5/15	≤1.5/15	≤1.5/15	≤1.5/15	≤1.5/15	≤1.5/15
Contact Gender	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Shell Type	Receptacle	Receptacle	Receptacle	Receptacle	Receptacle	Receptacle	Receptacle	Receptacle	Receptacle	Receptacle
Termination	Screw	Screw	Screw	Screw	Screw	Screw	Screw	Screw	Screw	Screw

RS Article Number	0304600	0304622	0304603	0304625	0303957	0304604	0303959	0304606	0303960	0304607
Specification	8 Pin (B)	8 Pin (B)	9 Pin	9 Pin	10 Pin	10 Pin	12 Pin	12 Pin	16 Pin	16 Pin
Rated Current (A)	60 5	60 5	25 5	25 5	10	10	10	10	10	10
Contact Diameter (Ø mm)	5X2 1X6	5X2 1X6	2.5X4 1X5	2.5X4 1X5	2.5	2.5	1.5	1.5	1.5	1.5
Rated Voltage (AC.V)	500 400	500 400	500	500	500	500	500	500	500	500
Test Voltage (AV.V) 1 min	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
Contact Resistance (m Ω)	5 0.5	5 0.5	1	1	1	1	1	1	2.5	2.5
Wire Size (mm <sup>2</sup> / AWG)	≤16/5 ≤0.75/18	≤16/5 ≤0.75/18	≤4/11	≤4/11	≤1.5/15	≤1.5/15	≤2/14	≤2/14	≤2/14	≤2/14
Contact Gender	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Shell Type	Receptacle	Receptacle	Receptacle	Receptacle	Receptacle	Receptacle	Receptacle	Receptacle	Receptacle	Receptacle
Termination	Solder	Solder	Solder	Solder	Screw	Screw	Solder	Solder	Solder	Solder

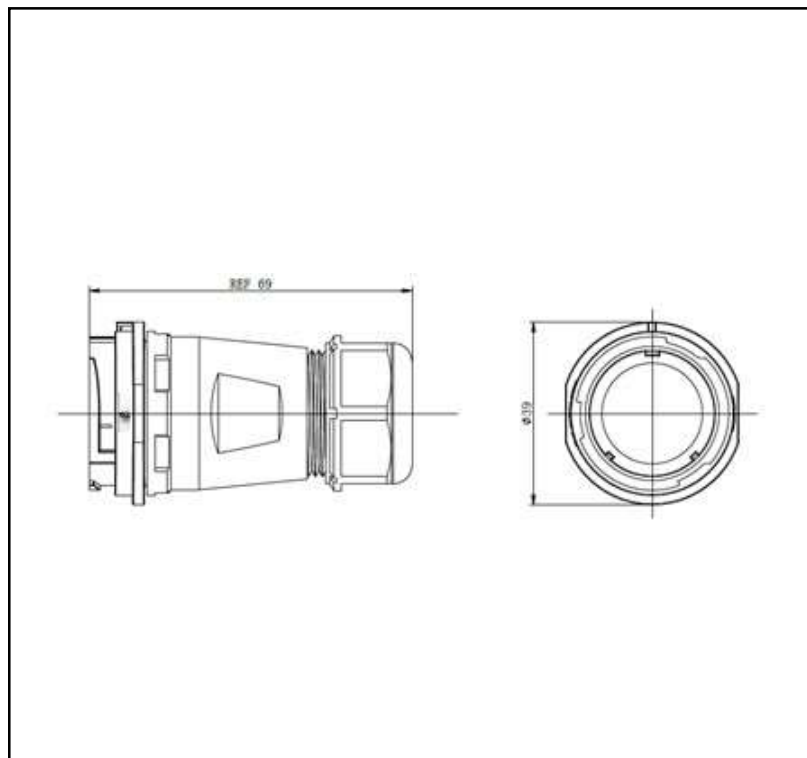
## Electrical Specifications

RS Article Number	0303962	0304609	0303963	0304610	0303965	0304612	0303966	0304613	0304594	0304616
Specification	17 Pin	17 Pin	20 Pin	20 Pin	24 Pin	24 Pin	26 Pin	26 Pin	35 Pin	35 Pin
Rated Current (A)	10	10	5	5	5	5	5	5	5	5
Contact Diameter (Ø mm)	1.5	1.5	1	1	1	1	1	1	1	1
Rated Voltage (AC.V)	500	500	400	400	400	400	400	400	400	400
Test Voltage (AV.V) 1 min	1500	1500	1200	1200	1200	1200	1200	1200	1200	1200
Contact Resistance (m Ω)	2.5	2.5	5	5	5	5	5	5	5	5
Wire Size (mm <sup>2</sup> / AWG)	≤2/14	≤2/14	≤0.75/18	≤0.75/18	≤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	Male	Female	Male	Female
Shell Type	Receptacle	Receptacle	Receptacle	Receptacle	Receptacle	Receptacle	Receptacle	Receptacle	Receptacle	Receptacle
Termination	Solder	Solder	Solder	Solder	Solder	Solder	Solder	Solder	Solder	Solder

## Protection Category

IP Rating	IP67
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## Dimensional Line Drawings



Connection Diagrams / Assembly Diagrams / Illustrations / Accessories