

Features

- Bayonet Coupling
- IP67
- 2-35 Poles
- Plug & Socket Set
- Cable to Cable Connections

RS PRO SY29 In-Line Cable Mount Connector

RS Stock No.:

0304379
0304382
0304363
0304364
0304366
0304367
0304369
0304370
0304373
0304372
0304375
0304376
0304378
0304381
0304362



Image for representational purposes only

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 SY29 series is a range of lightweight but robust waterproof connectors, which are sealed to IP68. 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

Housing Material	PC, Nylon66, Fire Resistance: V-0
Size	SY29
Cable out 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	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 (Set)	0304379		0304382	
RS Article Number (Individual)	SY2910/P8BII-1C-B-NP	SY2911C/S8BII-1C-B-NP	SY2910/P9II-1C-B-NP	SY2911C/S9II-1C-B-NP
Specification	8 Pin (B)	8 Pin (B)	9 Pin	9 Pin
Rated Current (A)	60, 5	60, 5	25, 5	25, 5
Contact Diameter (Ø mm)	5X2, 1X6	5X2, 1X6	2.5X4, 1X5	2.5X4, 1X5
Rated Voltage (AC.V)	500, 400	500, 400	500	500
Test Voltage (AV.V) 1 min	1500	1500	1500	1500
Contact Resistance (m Ω)	5, 0.5	5, 0.5	1	1
Wire Size (mm ² / AWG)	≤16/5, ≤0.75/18	≤16/5, ≤0.75/18	≤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)	0304363		0304364	
RS Article Number (Individual)	SY2910/P12II-1C-B-NP	SY2911C/S12II-1C-B-NP	SY2910/P16II-1C-B-NP	SY2911C/S16II-1C-B-NP
Specification	12 Pin	12 Pin	16 Pin	16 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)	1	1	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)	0304366		0304367	
RS Article Number (Individual)	SY2910/P17II-1C-B-NP	SY2911C/S17II-1C-B-NP	SY2910/P20II-1C-B-NP	SY2911C/S20II-1C-B-NP
Specification	17 Pin	17 Pin	20 Pin	20 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	Female	Female
Shell Type	Plug	Receptacle	Plug	Receptacle
Termination	Solder	Solder	Solder	Solder

RS Article Number (Set)	0304369		0304370	
RS Article Number (Individual)	SY2910/P24II-1C-B-NP	SY2911C/S24II-1C-B-NP	SY2910/P26II-1C-B-NP	SY2911C/S26II-1C-B-NP
Specification	24 Pin	24 Pin	26 Pin	26 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

RS Article Number (Set)	0304373	
RS Article Number (Individual)	SY2910/P35II-1C-B-NP	SY2911C/S35II-1C-B-NP
Specification	35 Pin	35 Pin
Rated Current (A)	5	5
Contact Diameter (Ø mm)	1	1
Rated Voltage (AC.V)	400	400
Test Voltage (AV.V) 1 min	1200	1200
Contact Resistance (m Ω)	5	5
Wire Size (mm ² / AWG)	≤0.75/18	≤0.75/18
Contact Gender	Male	Female
Shell Type	Plug	Receptacle
Termination	Solder	Solder

RS Article Number (Set)	0304372		0304375	
RS Article Number (Individual)	SY2910/P2II-2C-B-NP	SY2911C/S2II-2C-B-NP	SY2910/P3II-2C-B-NP	SY2911C/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

Electrical Specifications

RS Article Number (Set)	0304376	0304378
-------------------------	---------	---------

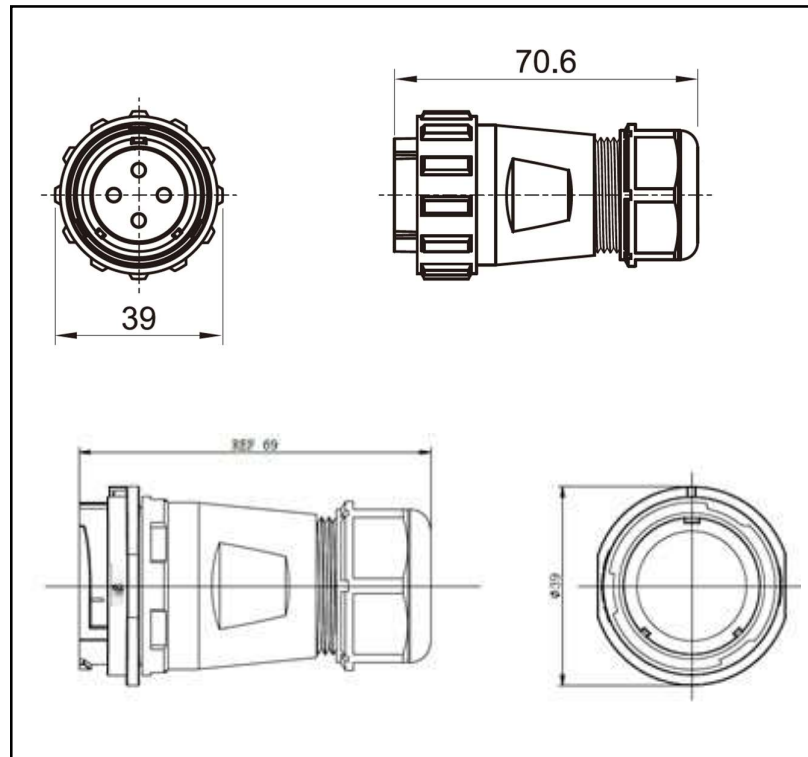
RS Article Number (Individual)	SY2910/P4II-2C-B-NP	SY2911C/S4II-2C-B-NP	SY2910/P7II-2C-B-NP	SY2911C/S7II-2C-B-NP
Specification	4 Pin	4 Pin	7 Pin	7 Pin
Rated Current (A)	10	10	10	10
Contact Diameter (Ø mm)	2.5	2.5	2.5	2.5
Rated Voltage (AC.V)	500	500	500	500
Test Voltage (AV.V) 1 min	1500	1500	1500	1500
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)	0304381		0304362	
RS Article Number (Individual)	SY2910/P8II-2C-B-NP	SY2911C/S8II-2C-B-NP	SY2910/P10II-2C-B-NP	SY2911C/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

Protection Category

IP Rating	IP67
-----------	------

Dimensional Line Drawings



Connection Diagrams / Assembly Diagrams / Illustrations / Accessories