

Features

- Bayonet Coupling
- IP67
- 2-15 Poles
- Cable to Cable Connections

RS PRO SY21 In-Line Cable Mount Connector

RS Stock No.:

0304583	0304584
0304586	0304587
0304588	0304590
0304592	0304593
0304744	0304742
0304746	0304745
0304749	0304748
0304751	0304750
0304754	0304752
0304757	0304755
0303944	0304758
0303947	0303945
0303950	0303948
0303953	0303951
0303956	0303954



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 SY21 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

Housing Material	PC, Nylon66, Fire Resistance: V-0
Size	SY21
Cable outer diameter range	7-12mm
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	6B	7	8	9	12	15
Male contact face view											

Screw Contact Options

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

Electrical Specifications

RS Article Number	0304586	0304754	0304587	0304755	0304588	0304757	0304590	0304758	0304592	0303944
Specification	2 Pin	2 Pin	2 Pin	2 Pin	3 Pin	3 Pin	3 Pin	3 Pin	4 Pin	4 Pin
Rated Current (A)	30	30	10	10	30	30	10	10	30	30
Contact Diameter (Ø mm)	3	3	3	3	3	3	3	3	3	3
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)	1	1	1	1	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	≤1.5/15	≤1.5/15	≤4/11	≤4/11
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	Screw	Screw	Solder	Solder	Screw	Screw	Solder	Solder

RS Article Number	0304593	0303945	0304742	0303947	0304744	0303948	0304746	0303951	0304745	0303950
Specification	4 Pin	4 Pin	5 Pin	5 Pin	5 Pin	5 Pin	6 Pin	6 Pin	6B Pin	6B Pin
Rated Current (A)	10	10	30	30	10	10	25 5	25 5	30 5	30 5
Contact Diameter (Ø mm)	3	3	3	3	3	3	2.5X4 1X2	2.5X4 1X2	3X2 1X4	3X2 1X4
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)	1	1	1	1	1	1	1 5	1 5	1 5	1 5
Wire Size (mm ² / 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	≤4/11 ≤0.75/18	≤4/11 ≤0.75/18
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	Solder	Solder	Screw	Screw	Solder	Solder	Solder	Solder

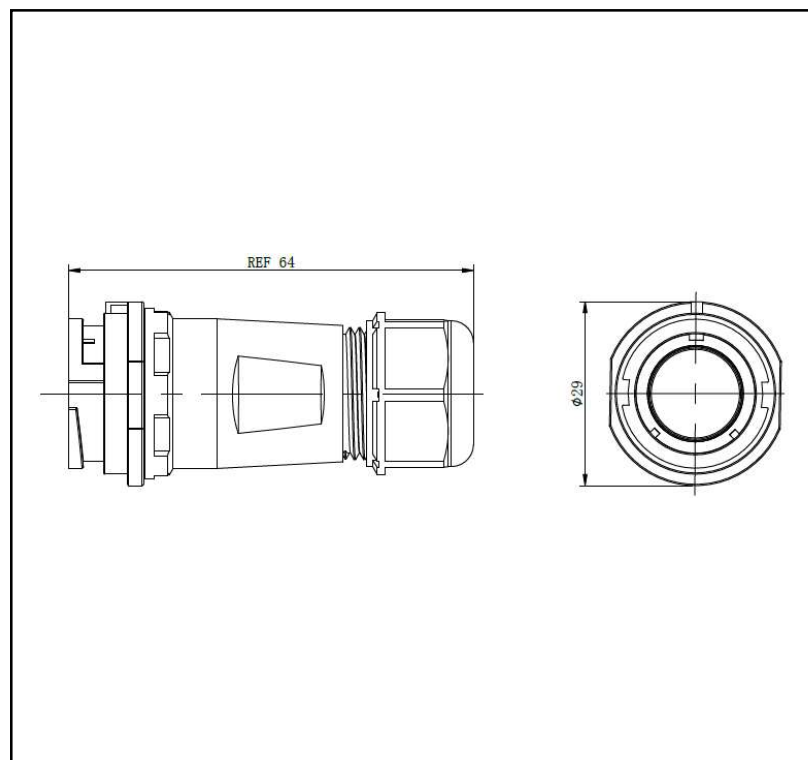
Electrical Specifications

RS Article Number	0304748	0303953	0304749	0303954	0304750	0303956	0304583	0304751	0304584	0304752
Specification	7 Pin	7 Pin	8 Pin	8 Pin	9 Pin	9 Pin	12 Pin	12 Pin	15 Pin	15 Pin
Rated Current (A)	15	15	10	10	5	5	5	5	5	5
Contact Diameter (Ø mm)	2	2	1.5	1.5	1	1	1	1	1	1
Rated Voltage (AC.V)	500	500	500	500	400	400	400	400	400	400
Test Voltage (AV.V) 1 min	1500	1500	1500	1500	1500	1500	1200	1200	1200	1200
Contact Resistance (m Ω)	2.5	2.5	2.5	2.5	5	5	5	5	5	5
Wire Size (mm ² / AWG)	≤2/14	≤2/14	≤2/14	≤2/14	≤0.75/18	≤0.75/18	≤0.75/18	≤0.75/18	≤0.75/18	≤0.75/18
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

Protection Category

IP Rating	IP67
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Dimensional Line Drawings



Connection Diagrams / Assembly Diagrams / Illustrations / Accessories