

RS PRO SY21 In-Line Cable Mount Connector

RS Stock No.:

Features

- Bayonet Coupling
- IP67
- 2-15 Poles
- Plug & Socket Set
- Cable to Cable Connections

0304451
0304454
0304457
0304459
0304463
0304461
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0304449
0304452
0304455
0304458



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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 out diameter	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 (Set)	0304451	0304454
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SY21 In-Line Cable Mount Connector



RS Article Number (Individual)	SY2110/P2II-1C-B-NP	SY2111C/S2II-1C-B-NP	SY2110/P3II-1C-B-NP	SY2111C/S3II-1C-B-NP
Specification	2 Pin	2 Pin	3 Pin	3 Pin
Rated Current (A)	30	30	30	30
Contact Diameter (Ø mm)	3	3	3	3
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)	0304457		0304459	
RS Article Number (Individual)	SY2110/P4II-1C-B-NP	SY2111C/S4II-1C-B-NP	SY2110/P5II-1C-B-NP	SY2111C/S5II-1C-B-NP
Specification	4 Pin	4 Pin	5 Pin	5 Pin
Rated Current (A)	30	30	30	30
Contact Diameter (Ø mm)	3	3	3	3
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

Electrical Specifications

SY21 In-Line Cable Mount Connector



RS Article Number (Set)	0304463		0304461	
RS Article Number (Individual)	SY2110/P6II-1C-B-NP	SY2111C/S6II-1C-B-NP	SY2110/P6BII-1C-B-NP	SY2111C/S6BII-1C-B-NP
Specification	6 Pin	6 Pin	6 Pin (B)	6 Pin (B)
Rated Current (A)	25 5	25 5	30 5	30 5
Contact Diameter (Ø mm)	2.5X4 1X2	2.5X4 1X2	3X2 1X4	3X2 1X4
Rated Voltage (AC.V)	500	500	500	500
Test Voltage (AV.V) 1 min	1500	1500	1500	1500
Contact Resistance (m Ω)	1 5	1 5	1 5	1 5
Wire Size (mm ² / AWG)	≤4/11 ≤0.75/18	≤4/11 ≤0.75/18	≤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)	0304464		0304465	
RS Article Number (Individual)	SY2110/P7II-1C-B-NP	SY2111C/S7II-1C-B-NP	SY2110/P8II-1C-B-NP	SY2111C/S8II-1C-B-NP
Specification	7 Pin	7 Pin	8 Pin	8 Pin
Rated Current (A)	15	15	10	10
Contact Diameter (Ø mm)	2	2	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

Electrical Specifications

RS Article Number (Set)	0304467		0304448	
RS Article Number (Individual)	SY2110/P9II-1C-B-NP	SY2111C/S9II-1C-B-NP	SY2110/P12II-1C-B-NP	SY2111C/S12II-1C-B-NP
Specification	9 Pin	9 Pin	12 Pin	12 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	1500	1500	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)	0304449	
RS Article Number (Individual)	SY2110/P15II-1C-B-NP	SY2111C/S15II-1C-B-NP
Specification	15 Pin	15 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

Electrical Specifications

SY21 In-Line Cable Mount Connector



RS Article Number (Set)	0304452		0304455	
RS Article Number (Individual)	SY2110/P2II-2C-B-NP	SY2111C/S2II-2C-B-NP	SY2110/P3II-2C-B-NP	SY2111C/S3II-2C-B-NP
Specification	2 Pin	2 Pin	3 Pin	3 Pin
Rated Current (A)	10	10	10	10
Contact Diameter (Ø mm)	3	3	3	3
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

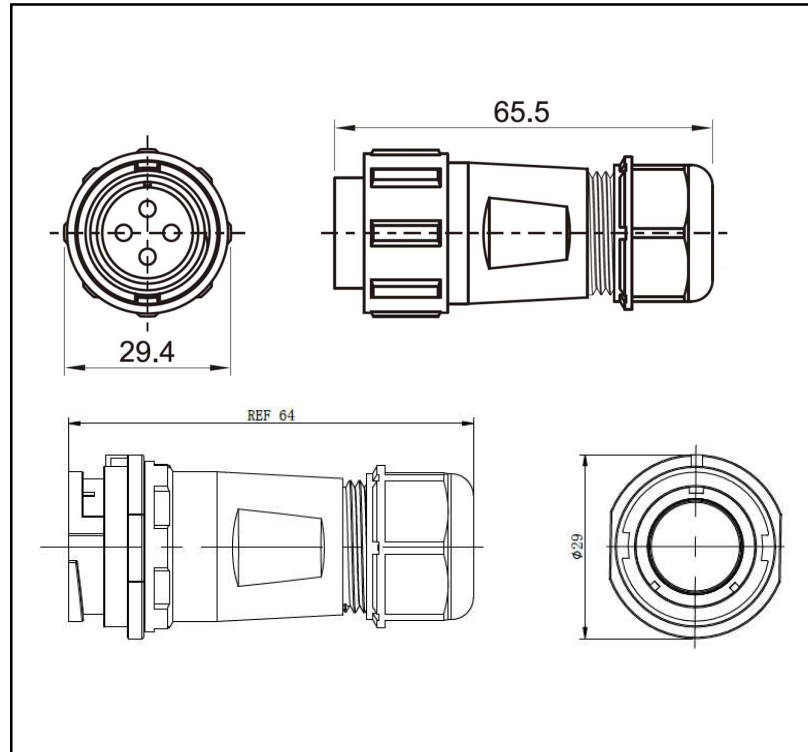
RS Article Number (Set)	0304458		0304460	
RS Article Number (Individual)	SY2110/P4II-2C-B-NP	SY2111C/S4II-2C-B-NP	SY2110/P5II-2C-B-NP	SY2111C/S5II-2C-B-NP
Specification	4 Pin	4 Pin	5 Pin	5 Pin
Rated Current (A)	10	10	10	10
Contact Diameter (Ø mm)	3	3	3	3
Rated Voltage (AC.V)	500	500	500	500
Test Voltage (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