

Pin & Sleeve

Heavy Duty
Industrial Wiring Devices
for North American
and European Markets



Pin & Sleeve

SAFETY, PERFORMANCE AND DURABILITY...IN A SNAP!



Extensive Product Family:

- Safe and reliable, portable electrical connections
- Wide variety of Plugs, Connectors, Receptacles, Inlets and Mounting Boxes
- Watertight (IP67) and Splashproof (IP44) versions available
- 16, 20, 30, 32, 60, 63, 100, 125 Amp ratings for small, medium or large current loads
- cULus Listed for North American ratings
- UL classified to IEC 60309-1 and IEC 60309-2 for North American and International ratings
- Complete interchangeability with all manufacturers' IEC 60309-1 and IEC 60309-2 devices
- Meets IEC60309 global configurations for safety in industrial applications

WATERTIGHT - IP67

Safe Connections Standard

- Ground contacts make first, break last for safe connections even under load



The Easy Way

- Snap-on locking feature on all 16/32A and 20/30A plugs and connectors

Screw Collars Stay Put

- Turreted grip allows for easy handling

75% Faster Cable builds - Nylon lock screw System

- One-piece cable gland
- Nylon locking screw prevents loosening
- Hand assembly of cable gland, Cable grip 6-Finger Clamp and onion-ring bushing



**Standard Interface / World Ready
Full International Compliances**

EN 60309

UL Classification to IEC 60309-1 and IEC 60309-2.

cULus Listing: UL 1682/1686 and CSA C22.2

No. 182.1.

CE conforms to EC Low Voltage Directive.

North American and Global Voltage

Polarization "clock positions" available in all standard ratings.

Solid, Safe Voltage Selections

One-Piece contact carriers with Full-Color IEC standard voltage-phasing Coding ensures correct product application every time.

Pin & Sleeve

Watertight



IP67

Watertight design and construction meet stringent IP67 internal protection standards.

Rugged thermoplastic housings resist impact or abuse and provide excellent corrosion resistance.

Unique SCAME strain relief grip and sealing system

assure superior cable retention and watertight conductor termination.

Ideal for outdoor, wet marine and washdown applications.

Unique 75% faster assembly with SNAP-ON handle locking, and cable grip system.

Splashproof



IP44

Suitable for indoor use where splashing liquids and other contaminants may interfere with electrical connections.

Ideal for most heavy commercial applications and light industrial applications.

Available in 20 and 30 Amp ratings.



No Tools, No Screws Necessary

SNAP-ON locking handle saves 75% on assembly time.

Unique SNAP-ON assembly feature on 20 and 30 Amp plugs and connectors makes installation and inspection fast and reliable. Captured gaskets in handles seal out water, chemicals and dust.



Easy Action Single-Wiring Point Access Saves Time Wiring

All terminal screws face in same direction allowing installer to make safe and secure conductor terminations in 30% less time than other devices.

Rugged, corrosion free thermoplastic housings are color-coded for safe reliable connections to all other mating type /polarizations, with raised ground terminal standard.



Simple Cable Clamping

Threaded cable gland on 16/32A and 20/30A devices makes assembly fast and easy.

One-piece lock screw verifies clamp locking hold, with no external metal contact possible (16/32A and 20/30A devices).



Unique Fast

One-piece cable gland with locking screw loads to cable followed by cable grip 6-Finger cable clamp/grip piece.

Watertight onion ring bushing fits a wide variety of outside diameters.



Watertight and cable Grip Safety

Grip cable flexible 6-Finger clamp teeth holds well beyond all agency test pullout forces.

No internal clamps required.

Available in all amperages.



The Performance Connection

Watertight spring-loaded covers with high-strength flex-hinge screw covers on IP67 devices.

Flap covers on IP44 splashproof styles.

Safety, performance and durability for all IEC309 applications worldwide.

CONFIGURATION

It's impossible to mismate (non interchangeability) different voltages of the IEC 60309-2 Standard Devices.

Device size determines amperage.

Each voltage grouping is a different size so they are easily distinguishable for compatibility.

All IEC 60309 devices are color-coded.

Each voltage grouping has its own distinct color coding for mating compatibility.

Every IEC 60309-2 mating plug grounding pin is a mirror image of the female device.

Devices of differing voltages cannot be mated to one another.

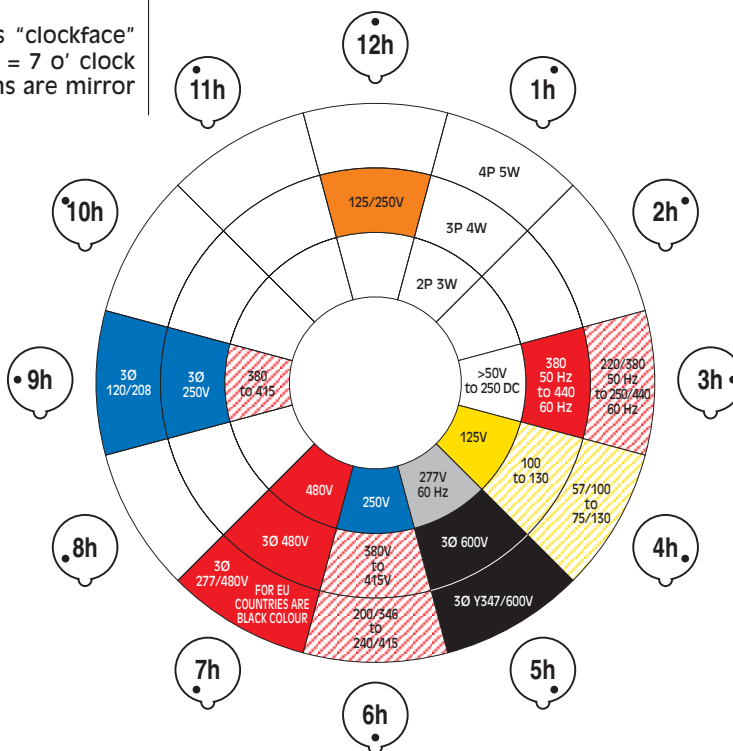
The Female receptacles and connectors have a "clock face" voltage polarization.

A "keyway" female housing notch is always at 6 o'clock reference position.

Ground contact (sleeve) position on this "clockface" establishes voltage polarization. (ie. "7h" = 7 o'clock ground sleeve position) Male pin positions are mirror image.

Clock position - North American Ratings

Rated Voltage	Color	Usage (North American)
110-130V	Yellow	North American
208-250V	Blue	North American
380-415V	Red	Euro.
600V +	Black	North American and Euro (500V)
277/480V	Red	North American
277V	Gray	North American
125/250V	Orange	North American



Catalog Numbering System

SCM 430P9W

Suffixes: Construction Options

Internal Protection IP67 = Watertight = **W** / IP44 = Splashproof = **S**

Clock position / Voltage **9** = "9h" Clock Hour = 250 VAC, 3 phase

Plug, Connector, Receptacle, Inlet **B**

Amperage: 20, 30, 60, 100A or EURO 16, 32, 63, 125A

Wires: 2p3w, 3p4w, 4p5w

Pin & Sleeve

20 Amp

Watertight and Splashproof Pin
and Sleeve Devices IP67 and IP44



WATERTIGHT IP67

IP67
Shown



Poles & Wires	Configuration			Voltage/ Color Coding	Plug	Connector	Cable O.D. Range Inches	Receptable	Inlet
	Receptable/ Connector	Plug/Inlet	Clock position		Cat. No.	Cat. No.		Cat. No.	Cat. No.
2P 3W			4h	125	SCM320P4W	SCM320C4W	.57-.71	SCM320R4W	SCM320B4W
2P 3W			6h	250	SCM320P6W	SCM320C6W	.57-.71	SCM320R6W	SCM320B6W
2P 3W			5h	277	SCM320P5W	SCM320C5W	.57-.71	SCM320R5W	SCM320B5W
2P 3W			7h	480	SCM320P7W	SCM320C7W	.57-.71	SCM320R7W	SCM320B7W
3P 4W			12h	125/250	SCM420P12W	SCM420C12W	.57-.71	SCM420R12W	SCM420B12W
3P 4W			9h	3ØY250	SCM420P9W	SCM420C9W	.57-.71	SCM420R9W	SCM420B9W
3P 4W			7h	3Ø480	SCM420P7W	SCM420C7W	.57-.71	SCM420R7W	SCM420B7W
3P 4W			5h	3Ø600	SCM420P5W	SCM420C5W	.57-.71	SCM420R5W	SCM420B5W
4P 5W			9h	3ØY120/208	SCM520P9W	SCM520C9W	.57-.71	SCM520R9W	SCM520B9W
4P 5W			7h	3ØY277/480	SCM520P7W	SCM520C7W	.57-.71	SCM520R7W	SCM520B7W
4P 5W			5h	3ØY347/600	SCM520P5W	SCM520C5W	.57-.71	SCM520R5W	SCM520B5W

IP44 Construction: No locking collars on male devices; female devices have flap covers only

SPLASHPROOF IP44

2P 3W			4h	125	SCM320P4S	SCM320C4S	.57-.71	SCM320R4S	SCM320B4S
2P 3W			6h	250	SCM320P6S	SCM320C6S	.57-.71	SCM320R6S	SCM320B6S
2P 3W			5h	277	SCM320P5S	SCM320C5S	.57-.71	SCM320R5S	SCM320B5S
3P 4W			12h	125/250	SCM420P12S	SCM420C12S	.57-.71	SCM420R12S	SCM420B12S
3P 4W			9h	3ØY250	SCM420P9S	SCM420C9S	.57-.71	SCM420R9S	SCM420B9S
4P 5W*			9h	3ØY120/208	SCM520P9S	SCM520C9S	.57-.71	SCM520R9S	SCM520B9S

(1) Can be used with T&B Russellstoll JB series junction boxes

30 Amp

Watertight and Splashproof Pin
and Sleeve Devices IP67 and IP44



IP67
Shown

WATERTIGHT IP67

Poles & Wires	Configuration			Voltage/ Color Coding	Plug	Connector	Cable O.D. Range Inches	Receptable	Inlet
	Receptable/ Connector	Plug/Inlet	Clock position						
					Cat. No.	Cat. No.		Cat. No.	Cat. No.
2P 3W			4h	125	SCM330P4W	SCM330C4W	.675-.91	SCM330R4W	SCM330B4W
2P 3W			6h	250	SCM330P6W	SCM330C6W	.675-.91	SCM330R6W	SCM330B6W
2P 3W			7h	480	SCM330P7W	SCM330C7W	.675-.91	SCM330R7W	SCM330B7W
3P 4W			12h	125/250	SCM430P12W	SCM430C12W	.675-.91	SCM430R12W	SCM430B12W
3P 4W			9h	3Ø250	SCM430P9W	SCM430C9W	.675-.91	SCM430R9W	SCM430B9W
3P 4W			7h	3Ø480	SCM430P7W	SCM430C7W	.675-.91	SCM430R7W	SCM430B7W
3P 4W			5h	3Ø600	SCM430P5W	SCM430C5W	.675-.91	SCM430R5W	SCM430B5W
4P 5W			9h	3ØY120/208	SCM530P9W	SCM530C9W	.675-.91	SCM530R9W	SCM530B9W
4P 5W			7h	3ØY277/480	SCM530P7W	SCM530C7W	.675-.91	SCM530R7W	SCM530B7W
4P 5W			5h	3ØY347/600	SCM530P5W	SCM530C5W	.675-.91	SCM530R5W	SCM530B5W

IP44 Construction: No locking collars on male devices; female devices have flap covers only

SPLASHPROOF IP44

2P 3W			4h	125	SCM330P4S	SCM330C4S	.675-.91	SCM330R4S	SCM330B4S
2P 3W			6h	250	SCM330P6S	SCM330C6S	.675-.91	SCM330R6S	SCM330B6S
2P 3W			5h	277	SCM330P5S	SCM330C5S	.675-.91	SCM330R5S	SCM330B5S
3P 4W			12h	125/250	SCM430P12S	SCM430C12S	.675-.91	SCM430R12S	SCM430B12S
3P 4W			9h	3ØY250	SCM430P9S	SCM430C9S	.675-.91	SCM430R9S	SCM430B9S
4P 5W			9h	3ØY120/208	SCM530P9S	SCM530C9S	.675-.91	SCM530R9S	SCM530B9S

(1) Can be used with T&B Russellstoll JB series juncton boxes

Pin & Sleeve

60 Amp

Watertight Pin and Sleeve

Devices IP67



WATERTIGHT IP67

Poles & Wires	Configuration			Voltage/ Color Coding	Plug	Connector	Cable O.D. Range Inches	Receptable	Inlet
	Receptable/ Connector	Plug/Inlet	Clock position		Cat. No.	Cat. No.		Cat. No.	Cat. No.
2P 3W			4h	125	SCM360P4W	SCM360C4W	.937-1.375	SCM360R4W	SCM360B4W
2P 3W			6h	250	SCM360P6W	SCM360C6W	.937-1.375	SCM360R6W	SCM360B6W
2P 3W			5h	277	SCM360P5W	SCM360C5W	.937-1.375	SCM360R5W	SCM360B5W
2P 3W			7h	480	SCM360P7W	SCM360C7W	.937-1.375	SCM360R7W	SCM360B7W
2P 3W			3h	250DC	SCM360P3W	SCM360C3W	.937-1.375	SCM360R3W	SCM360B3W
3P 4W			12h	125/250	SCM460P12W	SCM460C12W	.937-1.375	SCM460R12W	SCM460B12W
3P 4W			9h	3Ø250	SCM460P9W	SCM460C9W	.937-1.375	SCM460R9W	SCM460B9W
3P 4W			7h	3Ø480	SCM460P7W	SCM460C7W	.937-1.375	SCM460R7W	SCM460B7W
3P 4W			5h	3Ø600	SCM460P5W	SCM460C5W	.937-1.375	SCM460R5W	SCM460B5W
4P 5W			9h	3ØY120/208	SCM560P9W	SCM560C9W	.937-1.375	SCM560R9W	SCM560B9W
4P 5W			7h	3ØY277/480	SCM560P7W	SCM560C7W	.937-1.375	SCM560R7W	SCM560B7W
4P 5W			5h	3ØY347/600	SCM560P5W	SCM560C5W	.937-1.375	SCM560R5W	SCM560B5W

(1) Can be used with T&B Russellstoll JB series junction boxes

100 Amp

Watertight Pin and Sleeve Devices IP67



WATERTIGHT IP67

Poles & Wires	Configuration			Voltage/ Color Coding	Plug	Connector	Cable O.D. Range Inches	Receptable	Inlet
	Receptable/ Connector	Plug/Inlet	Clock position						
					Cat. No.	Cat. No.		Cat. No.	Cat. No.
2P 3W			6h	250	*	*	1.2650-1.790	*	*
2P 3W			7h	480	*	*	1.2650-1.790	*	*
3P 4W			12h	125/250	SCM4100P12W	SCM4100C12W	1.2650-1.790	SCM4100R12W	SCM4100B12W
3P 4W			9h	3Ø250	SCM4100P9W	SCM4100C9W	1.2650-1.790	SCM4100R9W	SCM4100B9W
3P 4W			7h	3Ø480	SCM4100P7W	SCM4100C7W	1.2650-1.790	SCM4100R7W	SCM4100B7W
3P 4W			5h	3Ø600	SCM4100P5W	SCM4100C5W	1.2650-1.790	SCM4100R5W	SCM4100B5W
4P 5W			9h	3ØY120/208	SCM5100P9W	SCM5100C9W	1.2650-1.790	SCM5100R9W	SCM5100B9W
4P 5W			7h	3ØY277/480	SCM5100P7W	SCM5100C7W	1.2650-1.790	SCM5100R7W	SCM5100B7W
4P 5W			5h	3ØY347/600	SCM5100P5W	SCM5100C5W	1.2650-1.790	SCM5100R5W	SCM5100B5W

(1) Can be used with T&B Russellstoll JB series junction boxes

(*) Product under development, contact Scame tech support.

Pin & Sleeve

Performance - Electrical

Dielectric Voltage Withstand

3000 Volts for 1 minute (fixed devices)

2200 Volts for 1 minute (portable devices)

Maximum Working Voltage

600VAC/250 VDC (minimum creepage and clearances per UL 840)

Current Interrupting/Load Breaking

Tested to 150% of full rated current for circuit interrupting

Temperature Rise

Maximum 30°C rise at full rated current after 50 cycles overload at 150% rated load at 0.75-pf

Horsepower Ratings

Per Nec 430-151b reference for non-interrupting ratings

Endurance with Load

20 Amp: 5000 cycles; Load only

Per IEC 60309-1 Clause 21

30 Amp: 1000 cycles - Alternating load

60 Amp: 1000 cycles - Alternating load

100 Amp: 250 cycles - Alternating load

Performance - Mechanical

Cold (-25°C) Impact Resistance

Per UL 1682 Section 34 and IEC 60309-1 Clause 24

Cable O.D. Accommodation

Round portable service cord from 0.57" O.D. through 1.79" O.D.

Terminal Identification

In accordance with UL 1682 standards and IEC 60390-1:

as L1-L2-L3-N-G

Cable Pull-Out Force

Per UL 1682 Section 33 and IEC 60309-1 Clause 23

Product Identification

molded-in product trademark(s) and UL approved product label

Performance - Environmental

Moisture Resistance

Per IEC 60309-1; Watertight flap/screw cover on IP67 devices or splashproof flap cover on IP44 devices

Flammability

All components V1 or better per UL94, V0 product ratings available

Operating Temperatures

Maximum Continuous 90°C/194°F, Minimum -25°C/-13°F

Chemical Resistance

Resists standard industrial hydrocarbons, acids, bases and solvents

Corrosion Resistance

All metallic components stainless steel or nickel plated brass
Sleeve pressure rings of zinc plated steel

Materials

Housing

Valox® (GE plastics)

Contact Carriers

Valox® (GE plastics)

Cable Gland Nut

Valox® (GE plastics)

Cable Bushing

Solid neoprene, onion ring type

O-Ring, Seals & Gaskets

Solid neoprene

Pins & Sleeves

Nickel plated brass

Sleeve Force Ring

Zinc plated steel

Terminal Screws

Nickel plated steel

Flap/Screw Cover Springs

Stainless steel

SNAP-ON Spring

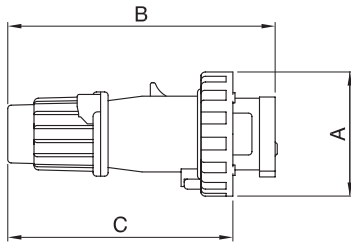
Stainless steel

Mounting Flanges

Valox® (GE plastics)

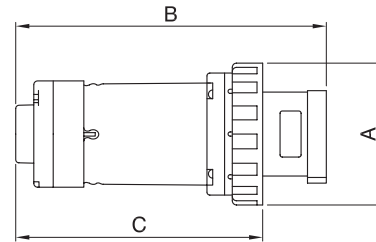


SERIES IP67 DIMENSIONS



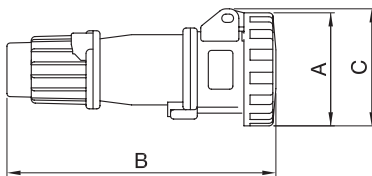
Plug IP67 16/20A and 30/32A

Cat. No.	A		B		C		Cord Grip Range	
	inches	mm	inches	mm	inches	mm	inches	mm
16/20A 2P3W	2.87	73	6.20	157	5.23	133	.570-.710	14-18
16/20A 3P4W	3.17	81	6.47	164	5.51	140	.570-.710	14-18
16/20A 4P5W	3.48	88	7.02	178	6.06	154	.570-.710	14-18
30/32A 2P3W	3.66	93	7.37	187	6.13	156	.675-.910	17-23
30/32A 3P4W	3.66	93	7.37	187	6.13	156	.675-.910	17-23
30/32A 4P5W	3.96	101	8.15	207	6.91	176	.675-.910	17-23



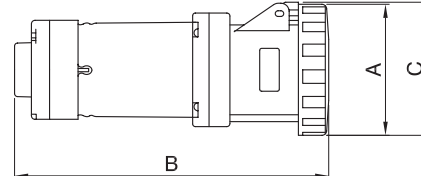
Plug IP67 60/63A and 100/125A

Cat. No.	A		B		C		Cord Grip Range	
	inches	mm	inches	mm	inches	mm	inches	mm
60/63A 2P3W	4.41	112	9.68	246	7.67	195	.937-1.375	24-35
60/63A 3P4W	4.41	112	9.68	246	7.67	195	.937-1.375	24-35
60/63A 4P5W	4.41	112	9.68	246	7.67	195	.937-1.375	24-35
100/125A 3P4W	5.06	129	12.16	309	9.83	250	.1265-1.790	32-45
100/125A 4P5W	5.06	129	12.16	309	9.83	250	.1265-1.790	32-45



Connector IP67 16/20A and 30/32A

Cat. No.	A		B		C		Cord Grip Range	
	inches	mm	inches	mm	inches	mm	inches	mm
16/20A 2P3W	2.87	73	6.75	171	2.97	75	.570-.710	14-18
16/20A 3P4W	3.17	81	7.04	179	3.28	83	.570-.710	14-18
16/20A 4P5W	3.48	88	7.62	194	3.75	95	.570-.710	14-18
30/32A 2P3W	3.66	93	8.04	204	4.04	103	.675-.910	17-23
30/32A 3P4W	3.66	93	8.04	204	4.04	103	.675-.910	17-23
30/32A 4P5W	3.96	101	8.83	224	4.03	102	.675-.910	17-23

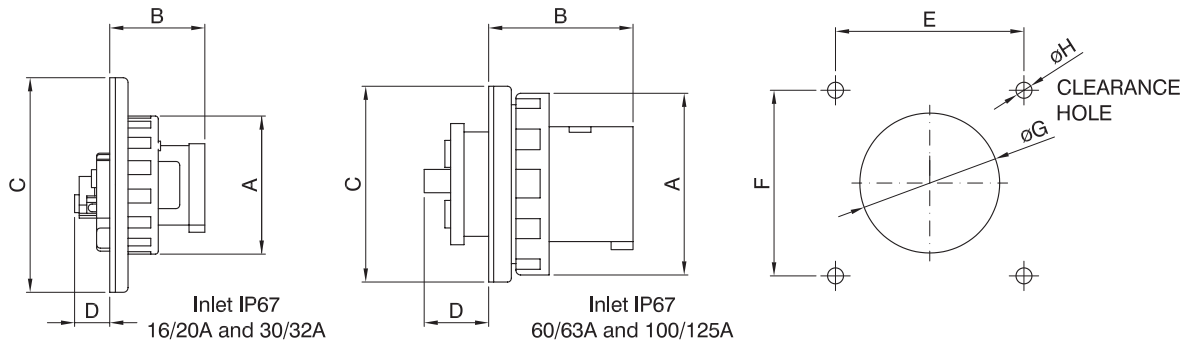


Connector IP67 60/63A and 100/125A

Cat. No.	A		B		C		Cord Grip Range	
	inches	mm	inches	mm	inches	mm	inches	mm
60/63A 2P3W	4.41	112	10.52	267	4.47	114	.937-1.375	24-35
60/63A 3P4W	4.41	112	10.52	267	4.47	114	.937-1.375	24-35
60/63A 4P5W	4.41	112	10.52	267	4.47	114	.937-1.375	24-35
100/125A 3P4W	5.06	129	12.80	325	5.06	129	.1265-1.790	32-45
100/125A 4P5W	5.06	129	12.80	325	5.06	129	.1265-1.790	32-45

Pin & Sleeve

SERIES IP67 DIMENSIONS

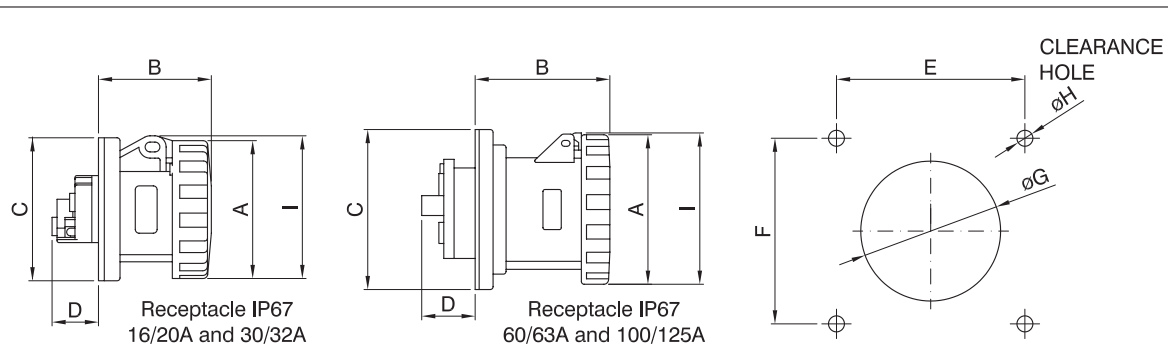


Inlet IP67 16/20A and 30/32A

Cat. No.	A		B		C		D		E		F		G		H	
	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
16/20A 2P3W	2.87	73	1.96	50	4.50	114	.75	19	3.87	98	3.87	98	2.38	60	.282	7.2
16/20A 3P4W	3.17	81	1.96	50	4.50	114	.75	19	3.87	98	3.87	98	2.38	60	.282	7.2
16/20A 4P5W	3.48	88	1.96	50	4.50	114	.75	19	3.87	98	3.87	98	2.38	60	.282	7.2
30/32A 2P3W	3.66	93	2.32	59	4.50	114	1.32	34	3.87	98	3.87	98	2.38	60	.282	7.2
30/32A 3P4W	3.66	93	2.32	59	4.50	114	1.32	34	3.87	98	3.87	98	2.38	60	.282	7.2
30/32A 4P5W	3.96	101	2.32	59	4.50	114	1.32	34	3.87	98	3.87	98	2.38	60	.282	7.2

Inlet IP67 60/63A and 100/125A

Cat. No.	A		B		C		D		E		F		G		H	
	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
60/63A 2P3W	4.41	112	3.44	87	4.50	114	1.68	43	3.87	98	3.87	98	3.25	83	.282	7.2
60/63A 3P4W	4.41	112	3.44	87	4.50	114	1.68	43	3.87	98	3.87	98	3.25	83	.282	7.2
60/63A 4P5W	4.41	112	3.44	87	4.50	114	1.68	43	3.87	98	3.87	98	3.25	83	.282	7.2
100/125A 3P4W	5.06	129	3.88	99	5.50	140	1.94	49	4.87	124	4.87	124	3.75	95	.282	7.2
100/125A 4P5W	5.06	129	3.88	99	5.50	140	1.94	49	4.87	124	4.87	124	3.75	95	.282	7.2



Receptacle IP67 16/20A and 30/32A

Cat. No.	A		B		C		D		E		F		G		H		I	
	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
16/20A 2P3W	2.87	73	2.32	59	2.97	.76	.94	24	2.36	60	2.36	60	2.38	60	.219	5.5	2.97	75
16/20A 3P4W	3.17	81	2.34	60	2.97	.76	.94	24	2.36	60	2.36	60	2.38	60	.219	5.5	3.28	83
16/20A 4P5W	3.48	88	2.37	60	2.97	.76	.94	24	2.36	60	2.36	60	2.38	60	.219	5.5	3.75	95
30/32A 2P3W	3.66	93	2.79	71	2.97	.76	1.52	39	2.36	60	2.36	60	2.38	60	.219	5.5	4.04	103
30/32A 3P4W	3.66	93	2.79	71	2.97	.76	1.52	39	2.36	60	2.36	60	2.38	60	.219	5.5	4.04	103
30/32A 4P5W	3.96	101	2.81	71	2.97	.76	1.52	39	2.36	60	2.36	60	2.38	60	.219	5.5	4.03	102

Receptacle IP67 60/63A and 100/125A

Cat. No.	A		B		C		D		E		F		G		H		I	
	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
60/63A 2P3W	4.41	112	4.16	106	4.50	114	1.68	43	3.87	98	3.87	98	3.25	83	.282	7.2	4.47	114
60/63A 3P4W	4.41	112	4.16	106	4.50	114	1.68	43	3.87	98	3.87	98	3.25	83	.282	7.2	4.47	114
60/63A 4P5W	4.41	112	4.16	106	4.50	114	1.68	43	3.87	98	3.87	98	3.25	83	.282	7.2	4.47	114
100/125A 3P4W	5.06	129	4.52	115	5.50	140	1.94	49	4.87	124	4.87	124	3.75	95	.282	7.2	5.06	129
100/125A 4P5W	5.06	129	4.52	115	5.50	140	1.94	49	4.87	124	4.87	124	3.75	95	.282	7.2	5.06	129

INTERNATIONAL RATINGS



IP44

IP67



16 Amp IP44

Poles & Wires	Configuration			Voltage/ Color Coding	Plug	Connector	Cable O.D. Range Inches	Receptable	Inlet
	Receptable/ Connector	Plug/Inlet	Clock position		Cat. No.	Cat. No.		Cat. No.	Cat. No.
2P 3W			4h	110V	SCM316P4S	SCM316C4S	.57-.71	SCM316R4S	SCM316B4S
2P 3W			6h	250V	SCM316P6S	SCM316C6S	.57-.71	SCM316R6S	SCM316B6S
3P 4W			6h	380-415V	SCM416P6S	SCM416C6S	.57-.71	SCM416R6S	SCM416B6S
4P 5W			6h	220-240/ 380-415V	SCM516P6S	SCM516C6S	.57-.71	SCM516R6S	SCM516B6S

32 Amp IP44

2P 3W			4h	110V	SCM332P4S	SCM332C4S	.675-.91	SCM332R4S	SCM332B4S
2P 3W			6h	250V	SCM332P6S	SCM332C6S	.675-.91	SCM332R6S	SCM332B6S
3P 4W			6h	380-415V	SCM432P6S	SCM432C6S	.675-.91	SCM432R6S	SCM432B6S
3P 4W			3h	380-440V	Special Application - Contact Tech Support				
4P 5W			6h	220-240/ 380-415V	SCM532P6S	SCM532C6S	.675-.91	SCM532R6S	SCM532B6S

63 Amp IP67

2P 3W			6h	250V	SCM363P6W	SCM363C6W	.937-1.375	SCM363R6W	SCM363B6W
3P 4W			6h	380-415V	SCM463P6W	SCM463C6W	.937-1.375	SCM463R6W	SCM463B6W
4P 5W			6h	220-240/ 380-415V	SCM563P6W	SCM563C6W	.937-1.375	SCM563R6W	SCM563B6W

125 Amp IP67

2P 3W**			6h	250V	SCM3125P6W	SCM3125C6W	1.265-1.790	SCM3125R6W	SCM3125B6W
3P 4W			6h	380-415V	SCM4125P6W	SCM4125C6W	1.265-1.790	SCM4125R6W	SCM4125B6W
4P 5W			6h	220-240/ 380-415V	SCM5125P6W	SCM5125C6W	1.265-1.790	SCM5125R6W	SCM5125B6W

(1) Can be used with T&B Russellstoll JB series junction boxes

Pin & Sleeve

Performance - Electrical

Dielectric Voltage Withstand
Maximum Working Voltage
Current Interrupting/Load Breaking

Temperature Rise

Endurance with Load
Per IEC 60309-1 Clause 21

3000 Volts for 1 minute per IEC 60309-1, Clause 19
690VAC/250 VDC (minimum creepage and clearances per IEC)
Tested to 125% rated current at 110% rated voltage per IEC309-1 clause 20

Maximum 50°C rise at rated current per IEC309-1 Clause 22, Table 8

16 Amp: 5000 cycles; Load only
32 Amp: 1000 cycles - Alternating load
63 Amp: 1000 cycles - Alternating load
125 Amp: 250 cycles - Alternating load

Performance - Mechanical

Cold (-25°C) Impact Resistance
Cable O.D. Accommodation
Terminal Identification
Cable Pull-Out Force
Product Identification

Per IEC 60309-1 Clause 24; (-25°C) with 75cm drop
Round portable service cords from 14.5 mm O.D. through 50mm O.D.
In accordance with IEC 60309-1 standards; as L1-L2-L3-N-G
in accordance with IEC 60309-1, Clause 23
Molded-in product Trademark(s) and CE Mark on packaging

Performance - Environmental

Moisture Resistance

Flammability

Operating Temperatures

Chemical Resistance

Corrosion Resistance

UV Resistance

Per 309-1; Watertight flap/screw cover IP67 devices or flap cover on IP44 devices

Per IEC 60695-2-1; Housing glow wire tested to 650°C;
Contact carrier insert tested to 850°C

Maximum Continuous 90°C/194°F, Minimum -25°C/-13°F with impact

Resists standard industrial hydrocarbons, acids, bases and solvents

All metallic components stainless steel or nickel plated brass
Sleeve pressure rings of zinc plated steel

External Thermoplastic components are UV stabilized
IP67 Series 2 is suitable for outdoor use

Material

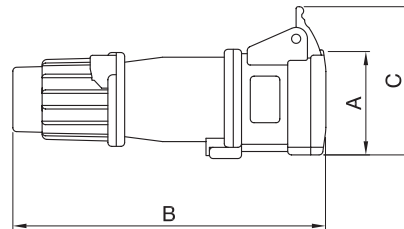
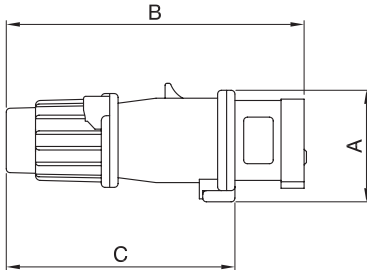
Housing
Contact Carriers
Cable Gland Nut
Cable Bushing
O-Ring, Seals & Gaskets
Pins & Sleeves
Sleeve Force Ring
Terminal Screws
Flap/Screw Cover Springs
SNAP-ON Spring
Mounting Flanges

Valox® (GE plastics)
Valox® (GE plastics)
Valox® (GE plastics)
Solid neoprene, onion ring type
Solid neoprene
Nickel plated brass
Zinc plated steel
Nickel plated steel
Stainless steel
Stainless steel
Valox® (GE plastics)



E238170

SERIES IP44 DIMENSIONS

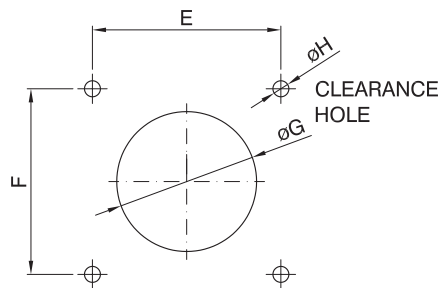
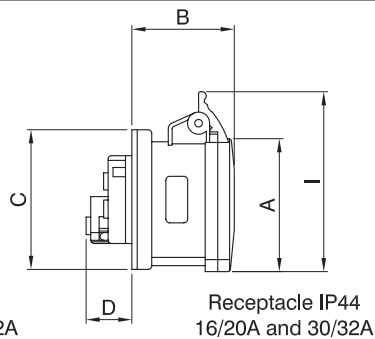
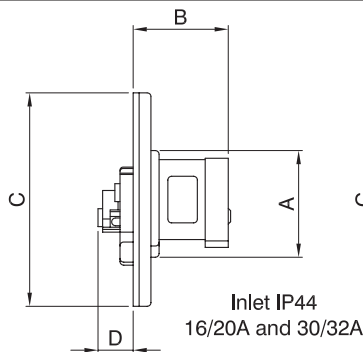


Plug IP44

Cat. No.	A		B		C		Cord Grip Range	
	inches	mm	inches	mm	inches	mm	inches	mm
16/20A 2P3W	2.26	58	6.20	157	4.76	121	.570-.710	14-18
16/20A 3P4W	2.52	64	6.47	164	5.04	128	.570-.710	14-18
16/20A 4P5W	2.85	73	7.02	178	5.58	142	.570-.710	14-18
30/32A 2P3W	2.85	73	7.37	187	5.58	142	.675-.910	17-23
30/32A 3P4W	2.85	73	7.37	187	5.58	142	.675-.910	17-23
30/32A 4P5W	3.13	80	8.15	207	6.36	162	.675-.910	17-23

Plug IP44

Cat. No.	A		B		C		Cord Grip Range	
	inches	mm	inches	mm	inches	mm	inches	mm
16/20A 2P3W	2.18	55	6.53	166	3.07	78	.570-.710	14-18
16/20A 3P4W	2.43	62	6.83	173	3.33	85	.570-.710	14-18
16/20A 4P5W	2.81	71	7.41	188	3.79	96	.570-.710	14-18
30/32A 2P3W	2.81	71	7.81	198	3.79	96	.675-.910	17-23
30/32A 3P4W	2.81	71	7.81	188	3.79	96	.675-.910	17-23
30/32A 4P5W	3.09	79	8.62	219	4.17	106	.675-.910	17-23



Inlet IP44

Cat. No.	A		B		C		D		E		F		G		H	
	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
16/20A 2P3W	2.26	58	1.96	50	4.50	114	.75	19	3.87	98	3.87	98	2.38	60	.282	7.2
16/20A 3P4W	2.52	64	1.96	50	4.50	114	.75	19	3.87	98	3.87	98	2.38	60	.282	7.2
16/20A 4P5W	2.85	73	1.96	50	4.50	114	.75	19	3.87	98	3.87	98	2.38	60	.282	7.2
30/32A 2P3W	2.85	73	2.32	59	4.50	114	1.32	34	3.87	98	3.87	98	2.38	60	.282	7.2
30/32A 3P4W	2.85	73	2.32	59	4.50	114	1.32	34	3.87	98	3.87	98	2.38	60	.282	7.2
30/32A 4P5W	3.13	80	2.32	59	4.50	114	1.32	34	3.87	98	3.87	98	2.38	60	.282	7.2

Receptacle IP44

Cat. No.	A		B		C		D		E		F		G		H		I	
	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
16/20A 2P3W	2.18	55	2.11	54	2.97	76	0.94	24	2.36	60	2.36	60	2.38	60	.219	5.5	3.07	78
16/20A 3P4W	2.43	62	2.13	54	2.97	76	0.94	24	2.36	60	2.36	60	2.38	60	.219	5.5	3.33	85
16/20A 4P5W	2.81	71	2.17	55	2.97	76	0.94	24	2.36	60	2.36	60	2.38	60	.219	5.5	3.79	96
30/32A 2P3W	2.81	71	2.56	65	2.97	76	1.52	39	2.36	60	2.36	60	2.38	60	.219	5.5	3.79	96
30/32A 3P4W	2.81	71	2.56	65	2.97	76	1.52	39	2.36	60	2.36	60	2.38	60	.219	5.5	3.79	96
30/32A 4P5W	3.09	79	2.60	66	2.97	76	1.52	39	2.36	60	2.36	60	2.38	60	.219	5.5	4.17	106



ScameOnLine

<http://www.scame.com>

e-mail: export@scame.com