Chipsmall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

Power Inlet Connectors

SR Series

![UL CSA VDE logos]

**UL Recognized
CSA Certified
VDE Approved***

20ESRM-3

20ESRMC2

6ESRM-3

6ESRMC2

SR Series

- Full Line of popular AC receptacles
- Male and female power line connectors
- Snap-in and flange mount versions
- IEC60320-1 C-13 & C14 inlets rated up to 15A
- IEC60320-1 C-19 & C-20 inlets rated up to 20A

Ordering Information

6 E SR M - P

Rear Connector Styles
2 – .187 [4.8] spade terminals
3 – .250 [6.3] spade terminals
P – PC board pins
  Fits .063 [1.6] hole

Mounting Style
C – Snap-In
 – Flange

Front Connector Styles
M – Male
  15A = IEC 60320-1 C-14
  20A = IEC 60320-1 C-20
F – Female
  15A = IEC 60320-1 C-13

SR Series

Leakage current designation
E – Low Leakage *(<0.5 mA)*

Current Rating Indicator
6 = 15A max.*
20 = 20A max.*
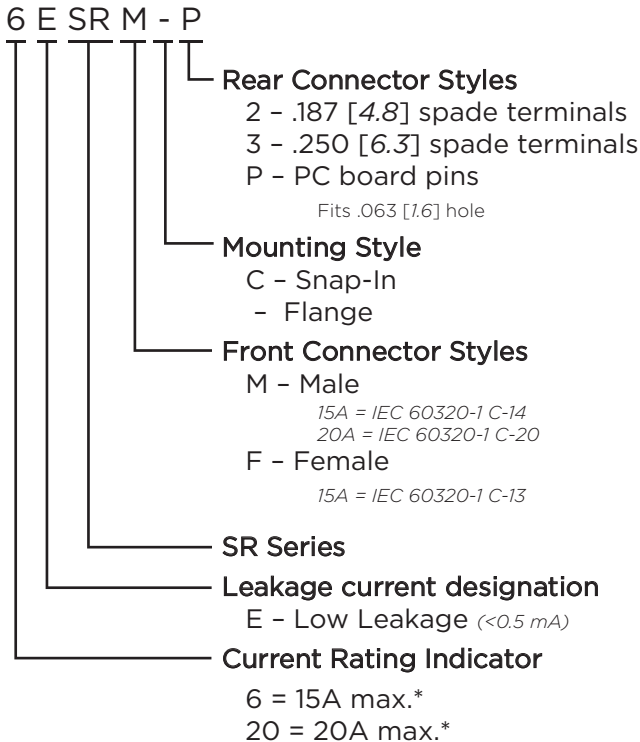
15A versions are VDE approved at 10A, 250VAC max.
20A versions are VDE approved at 16A, 250VAC max.

Specifications

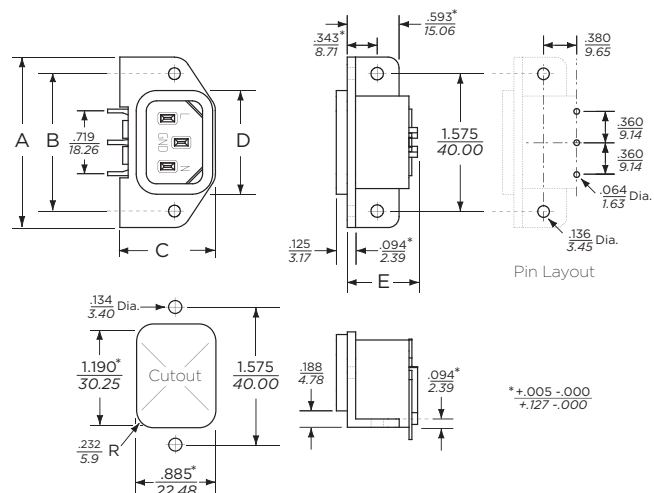|	
Rated Voltage (max.):	250 VAC
Materials:	
Insulator:	Thermoplastic UL 94V-0 flame rating
Prongs:	Solid brass, nickel plated
Terminals:	Brass, tin plated
Temperature Rating:	For "cold" connections, 65°C

Available Part Numbers

Type	Male Connector	Female Connector
PC Pins	6ESRM-P	
Snap-In	6ESRMC2	6ESRFC3
Flange Mount	6ESRM-3	6ESRF-3
Snap-In	20ESRMC2	
Flange Mount	20ESRM-3	

Case Styles

6ESRM-P

![Dimensional drawings of 6ESRM-P connector with measurements: .593/15.06, .343/8.71, .380/9.65, .719/18.26, 1.575/40.00, .360/9.14, .360/9.14, .064/1.63 Dia., .125/3.17, .094/2.39, .136/3.45 Dia., .134/3.40 Dia., 1.190/30.25, 1.575/40.00, .188/4.78, .094/2.39, .232/5.9 R, .885/22.48, Cutout, Pin Layout; dimensions A B C D E; *+.005 -.000 / +.127 -.000]

Dimensions are in inches and millimeters unless otherwise specified. Values in italics are metric equivalents. Dimensions are shown for reference purposes only. Specifications subject to change.

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Power Inlet Filters & Power Entry Modules

Power Inlet Connectors *(continued)*

SR Series

Case Styles *(continued)*

6ESRMC2

1.079 / 27.4   Cutout

.197 / 5.0 R   .779 / 19.8

.1259 / 3.2
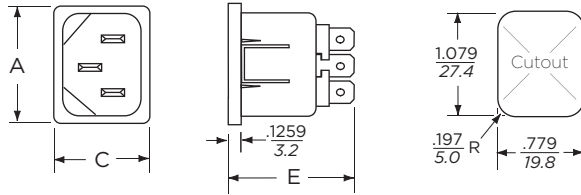
Typical Dimensions:
Front Connector:	IEC 60320-1 C14
Rear Terminals:	.187 [*4.8*] with .07 [*1.8*] Dia. hole

6ESRFC3
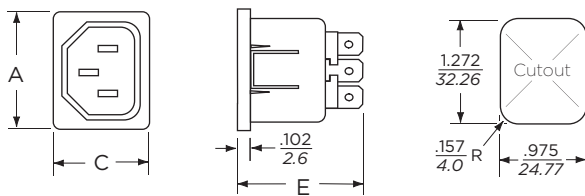
1.272 / 32.26   Cutout

.157 / 4.0 R   .975 / 24.77

.102 / 2.6

Typical Dimensions:
Front Connector:	IEC 60320-1 C13
Rear Terminals:	.25 [*6.3*] with .07 [*1.8*] Dia. hole

6ESRM-3

.134 / 3.4 Dia.

.134 / 3.4 Dia.   G Cutout   R   H
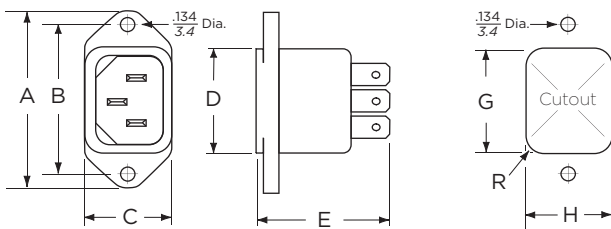
Cutout Dimensions:
	Rear Mount	Front Mount
G:	1.19 [*30.23*]	1.079 [*27.4*]
H:	0.894 [*22.7*]	0.779 [*19.8*]
R:	0.232 [*5.9*]	0.197 [*5.0*]

Typical Dimensions:
Front Connector:	IEC 60320-1 C14
Rear Terminals:	.25 [*6.3*] with .07 [*1.8*] Dia. hole

6ESRF-3
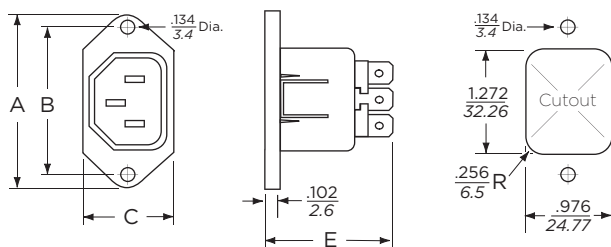
.134 / 3.4 Dia.

.134 / 3.4 Dia.   1.272 / 32.26   Cutout

.256 / 6.5 R   .976 / 24.77

.102 / 2.6

Typical Dimensions:
Front Connector:	IEC 60320-1 C13
Rear Terminals:	.25 [*6.3*] with .07 [*1.8*] Dia. hole

20ESRMC2

.956 / 24.30

.177 / 4.5 R   1.27 / 32.30

.1259 / 3.2

Typical Dimensions:
Front Connector:	IEC 60320-1 C20
Rear Terminals:	.25 [*6.3*] with .07 [*1.8*] Dia. hole

20ESRM-3

.134 / 3.4 Dia.

.137 / 3.4 Dia.   1.27 / 32.30   Cutout

.177 / 4.5 R   .956 / 24.30

.205 / 5.2
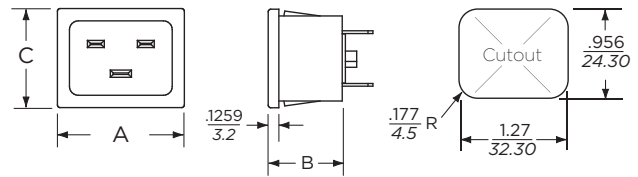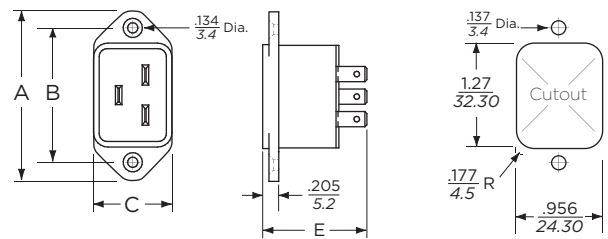
Typical Dimensions:
Front Connector:	IEC 60320-1 C20
Rear Terminals:	.25 [*6.3*] with .07 [*1.8*] Dia. hole

Case Dimensions

Part No.	A (max.)	B +.017 -.006 / +.43 -.15	C (max.)	D (max.)	E (max.)
6ESRM-P	**1.96** *49.8*	**1.575** *40.0*	**1.094** *27.8*	**1.118** *28.39*	**.807** *20.5*
6ESRMC2	**1.182** *30.00*	-	**.885** *22.5*	-	**1.192** *30.3*
6ESRFC3	**1.39** *35.5*	-	**1.09** *27.8*	-	**1.496** *38.0*
6ESRM-3	**1.96** *49.8*	**1.575** *40.0*	**.885** *22.5*	**1.19** *30.23*	**1.275** *32.4*
6ESRF-3	**1.953** *49.6*	**1.575** *40.0*	**1.133** *28.8*	-	**1.496** *38.0*
20ESRMC2	**1.377** *35.0*	**.921** *23.4*	**1.06** *27.0*	-	-
20ESRM-3	**2.087** *53.0*	**1.653** *42.0*	**.999** *25.4*	-	**1.318** *33.5*

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