

CES and CESD Factory Sealed 30 and 60 Amp Pin and Sleeve Receptacles

Explosionproof

Delayed-Action Safety Construction with Slide-Lok® Design. Pressure Wire Terminals.

CES
Class I, Division 1 and 2, Groups C, D

CESD
Class I, Division 1 and 2, Groups D

Applications

- Locations where receptacles are used with stationary or portable electrically operated devices such as:
 - Lighting systems
 - Conveyors
 - Heaters
 - Motor-generator sets
 - Air conditioners
 - Compressors
 - Pumps
- Class I: classified locations such as:
 - Petrochemical plants
 - Petroleum refineries
 - Paint and chemical plants
 - Any location where ignitable vapors or gases are present

Features

- Factory sealed. No external seals required. Arcing is safely confined to receptacle interior.
- Energized receptacle contacts deeply recessed to reduce danger of accidental touching.
- Style 2 (shell and extra pole) grounding.
- Spring door keeps dust out of receptacle when plug is not in use.
- Unique design brass contacts exert constant pressure along entire contact surface and provide superior electrical contact.
- Contacts have beryllium copper wire springs.
- Plug mechanical cable clamps prevent strain on cables; they meet or exceed UL strain relief pull-out requirements.
- Neoprene bushing compressed by cable collar prevents entrance of water.
- Insulators provide superior dielectric and mechanical strength and lowest arc tracking.
- Smooth, rounded integral bushing in each hub protects conductor insulation.
- Delayed action construction. To operate, insert plug to first stop, move Slide-Lok® slide to right and push plug fully forward.
- CPH plug fits Powertite® Series hazardous location receptacles.

Standard Materials

- Receptacle and cover: copperfree (4/10 of 1% max.) aluminum
- Mounting box: malleable iron
- Insulating blocks: fiber glass reinforced polyester

Standard Finishes

- Malleable iron mounting bodies: triple-coat (1) zinc electroplate, (2) chromate and (3) epoxy powder coat
- Aluminum receptacles: ceramic burnished
- Cord connector housings and caps: epoxy powder coat

Certifications and Compliances

- UL Standard: UL 1010 (UL 1203), UL 894, UL 1682, UL 1686
- UL Listed: E10784
- CSA Standard: C22. No 30, C22.2 No. 159, C22.2 No 182.1



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Amp	Wire/Pole	Hub Size (Inches)	Complete With Box ①	Catalog Number		
				Back Box Only	Receptacle Only ②	Replacement Interior

CES Receptacles — 30 Amp and 60 Amp, 125-250 Vac (See HP ratings below.)

Furnished with one vertical and two horizontal feed-thru hubs.



CES



CESR

30	2W, 3P	3/4	CES-3023	CES30B	CESR-3023	CERI-3023
	3W, 4P	3/4	CES-3034	CES30B	CESR-3034	CERI-3034
60	2W, 3P	1-1/4	CES-6023	CES60B	CESR-6023	CERI-6023
	3W, 4P	1-1/4	CES-6034	CES60B	CESR-6034	CERI-6034

CESD Receptacles — 30 Amp and 60 Amp, 125-250 Vac (See HP ratings below.)

Furnished with vertical feed-thru hubs.





CESD



CESR

30	2W, 3P	3/4	CESD-3023	CESD30B	CESR-3023	CERI-3023
	3W, 4P	3/4	CESD-3034	CESD30B	CESR-3034	CERI-3034
60	2W, 3P	1-1/4	CESD-6023	CESD60B	CESR-6023	CERI-6023
	3W, 4P	1-1/4	CESD-6034	CESD60B	CESR-6034	CERI-6034

CPH Plugs and Plug Interiors for Use with Receptacles Above

Type	Wire/Pole	Cable Dia. (Inches)	Complete Plug	Replacement Interior
	2W, 3P	.390-1.375	CPH-3023BC	CEPI-3023B
	3W, 4P	.390-1.375	CPH-3034BC	CEPI-3034B
Interior 	2W, 3P	.390-1.375	CPH-6023BC	CEPI-6023BC
	3W, 4P	.390-1.375	CPH-6034BC	CEPI-6034BC

CES/CESD Maximum Horsepower Ratings

125-250 Vac					480 Vac				
Wire/Pole	Phase	Max. HP	Max. Amp	Catalog Number	Wire/Pole	Phase	Max. HP	Max. Amp	Catalog Number
2W, 3P	1	1-1/2	30	CES/CESD-3023	2W, 3P	1	1/2	7	CES/CESD-3023
3W, 4P	3	3	30	CES/CESD-3034	3W, 4P	3	1	7	CES/CESD-3034
2W, 3P	1	1-1/2	60	CES/CESD-6023	2W, 3P	1	1-1/2	30	CES/CESD-6023
3W, 4P	3	5	60	CES/CESD-6034	3W, 4P	3	5	30	CES/CESD-6034

① UL Listed with Mounting Box.

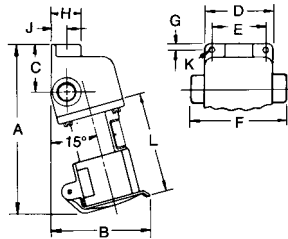
② NOT UL Listed. Only UL Listed when Receptacle is provided with Mounting Box.

CES and CESD Factory Sealed 30 and 60 Amp Pin and Sleeve Receptacle Dimensions

Factory Sealed, Explosionproof

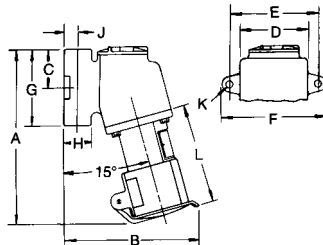
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CES Receptacles



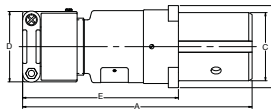
Hub Size (Inches)	Max. Amp	Dimensions in Inches/Millimeters										
		A	B	C	D	E	F	G	H	J	K	L
3/4	30	8.31/211.0	4.94/125.4	2.38/60.4	3.38/85.8	2.63/66.8	4.69/119.1	0.31/7.8	1.50/38.1	0.78/19.8	1/4 ϕ	5.07/128.7
1-1/4	60	11.88/301.7	6.88/174.7	2.88/73.1	5.25/133.3	4.38/111.2	7.31/185.6	0.44/11.1	2.56/65.0	1.38/35.0	13/32 ϕ	7.10/180.3

CESD Receptacles



Hub Size (Inches)	Max. Amp	Dimensions in Inches/Millimeters										
		A	B	C	D	E	F	G	H	J	K	L
3/4	30	8.69/220.7	6.75/171.4	1.88/47.7	3.38/85.8	4.38/111.2	5.13/130.3	3.75/95.2	1.38/35.0	0.69/17.5	11/32 ϕ	5.07/128.7
1-1/4	60	12.75/323.8	9.31/236.4	3.19/81.0	5.25/133.3	6.25/158.7	7.25/184.1	6.31/160.2	2.56/65.0	1.38/35.0	13/32 ϕ	7.10/180.3

CPH Plugs



Max. Amp	Wire/Pole	Dimensions in Inches/Millimeters				
		A	B	C	D	E
30	2W, 3P; 3W, 4P	6.13/155.7	2.38/60.4	1.86/47.2	2.63/6.68	4.44/113.7
60	2W, 3P	8.44/123.9	3.06/77.7	2.23/56.6	2.63/6.68	5.69/144.5
60	3W, 4P	8.44/123.9	3.06/77.7	2.55/64.7	2.63/6.68	5.69/144.5

Plugs and Receptacles

PLUGS AND RECEPTACLES: HAZARDOUS LOCATION