Appleton®

DICOM INGENIEROS S.R.L.

Materiales eléctricos
Industriales

GUÍA DE
FICHAS TÉCNICAS

PRODUCTOS ELECTRICOS



MINERIA · ENERGIA · CONSTRUCCIÓN · HIDROCARBUROS · INDUSTRIA · TELECOMUNICACIONES · INFRAESTRUCTURA Y TRANSPORTE

Escanea el QR
Visita nuestro **Catálogo**

Siguenos en **nuestras redes**

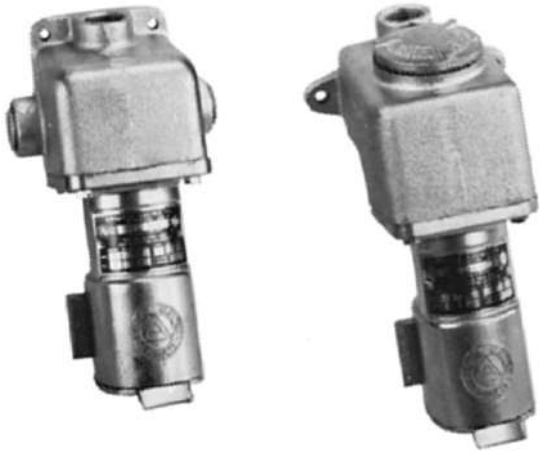
+51 991 872 290

CES and CESD Factory Sealed Receptacles

30 and 60 Amp Pin and Sleeve. Explosionproof.

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

30 Amp CES | NEC/CEC: Class I, Division 1 and 2, Groups C, D
60 Amp CES | NEC: Class I, Division 1 and 2, Groups C, D
30 Amp CESD | NEC/CEC: Class I, Division 1 and 2, Groups C, D
60 Amp CESD | NEC: 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

NEC/CEC Certifications and Compliances

- UL Standard: UL 1010 (UL 1203), UL 894, UL 1682
- UL Listed: E10784
- CSA Standard: C22. No 30, C22.2 No. 159, C22.2 No 182.1
- CSA Certified: 038644 (30 Amp configurations only)

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	Amp	Wire/Pole	Hub Size (Inches)	Catalog Number Complete With Box ①	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 ⑥	2W, 3P	3/4	**CES-3023**	**CES-30B**	**CESR-3023**	**CERI-3023**
		3W, 4P	3/4	**CES-3034**	**CES-30B**	**CESR-3034**	**CERI-3034**
	60 ⑦	2W, 3P	1-1/4	**CES-6023**	**CES-60B**	**CESR-6023**	**CERI-6023**
		3W, 4P	1-1/4	**CES-6034**	**CES-60B**	**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 ⑥	2W, 3P	3/4	**CESD-3023**	**CESD-30B**	**CESR-3023**	**CERI-3023**
		3W, 4P	3/4	**CESD-3034**	**CESD-30B**	**CESR-3034**	**CERI-3034**
	60 ⑦	2W, 3P	1-1/4	**CESD-6023**	**CESD-60B**	**CESR-6023**	**CERI-6023**
		3W, 4P	1-1/4	**CESD-6034**	**CESD-60B**	**CESR-6034**	**CERI-6034**

CPH Plugs and Plug Interiors for Use with Receptacles Above

	Amp	Wire/Pole	Cable Dia. (Inches)	Complete Plug	Replacement Interior
  **CPH Plug (30 and 60 Amp) Pressure Terminals** **Interior**	30 ⑥	2W, 3P	.500 to 1.125	**CPH3023BC**	**CEPI-3023B**
		3W, 4P	.500 to 1.125	**CPH3034BC**	**CEPI-3034B**
	60 ⑤⑦	2W, 3P	.500 to 1.375	**CPH6023BC**	**CEPI-6023BC**
		3W, 4P	.500 to 1.375	**CPH6034BC**	**CEPI-6034BC**

CES/CESD Horsepower Ratings for Emergency Disconnect Under Load

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

480③-600④ Vac				
Wire/Pole	**Phase**	**Max. HP**	**Max. Amp**	**Catalog Number**
2W, 3P	1	1/2	7	CES/CESD-3023
3W, 4P	3	1	7	CES/CESD-3034
2W, 3P	1	1-1/2	30	CES/CESD-6023
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.
③ 480 Vac is certified by UL for NEC.
④ 600 Vac is certified by CSA for CEC.
⑤ 60 Amp CPH plugs with -BC suffix are NOT UL listed.
⑥ For CEC version with CSA nameplate, add suffix -CN to plug and receptacle catalog number (30 Amp configurations only).
⑦ 60 Amp CES, CESD, and CPH amp are not CSA certified.

CES and CESD Factory Sealed Receptacles

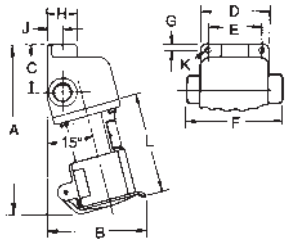
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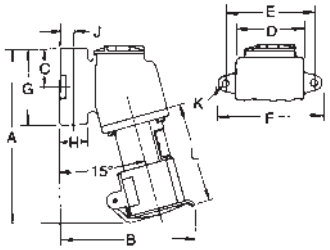
Dimensions in Millimeters (Inches)

CES Receptacles



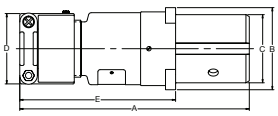
Hub Size (Inches)	Max. Amp	Dimensions in Millimeters (Inches) A	B	C	D	E	F	G	H	J	K	L
3/4	30	211.0 (8.31)	125.4 (4.94)	60.4 (2.38)	85.8 (3.38)	66.8 (2.63)	119.1 (4.69)	7.8 (0.31)	38.1 (1.50)	19.8 (0.78)	4/1ø	128.7 (5.07)
1-1/4	60	301.7 (11.88)	174.7 (6.88)	73.1 (2.88)	133.3 (5.25)	111.2 (4.38)	185.6 (7.31)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

CESD Receptacles



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

CPH Plugs



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