

CS1000



Main Advantages

- High Amperage Capacity up to 400 A at 600 VAC, 600 VDC (in North America) or 1000 VAC, 1500 VDC (in Europe - CE rated)
- Safety features protect users from live parts and prevent unwanted disconnection
- Silver-nickel, butt-style contacts provide superior performance and corrosion resistance

- Features and Ratings p. 136
- CS1000 p. 137
- Dimensions p. 138

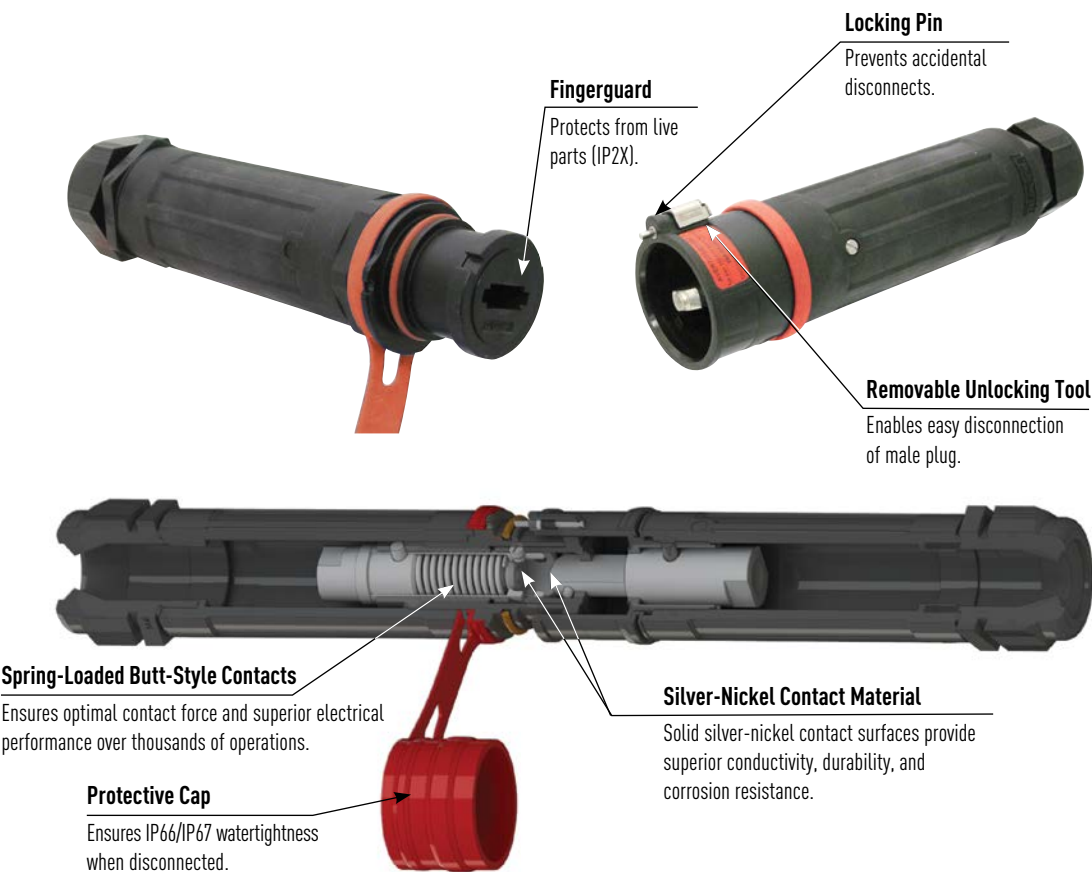
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PRODUCT FEATURES



General Ratings (North America Only)

Amperage	400 A
Voltage*	600 VAC, 1500 VDC
Frequency	60-400 Hz
Environmental	IP66/IP67
Temperature	Min -40°F/Max 140°F

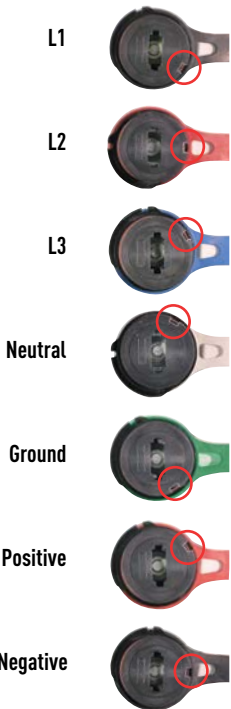
* CS1000 plugs and receptacles are UL listed in accordance with UL 1691. CS1000 devices are for use in non-load break applications up to 400 A at 600 VAC, 600 VDC (in North America) or 1000 VAC, 1500 VDC (in Europe - CE rated). NOM available if required.

Listings

Category	UL	CSA	IEC	NOM
Single Pole Plugs and Receptacle	UL 1691	CSA 1691-12	60309-1	NOM-003-SCFI-2014

Highlighted Feature

5 Mechanical Keying Positions
(North America color codes shown.)



Operating Instructions

Connection



Disconnection



CS1000 Standard Duty - 400 A

UL/CSA Ratings

- **Max Amperage**
400 A
Not for Current Interrupting
- **Voltage**
600 VAC, 600 VDC
- **Short Circuit Rating**
10 kA Withstand
Testing was performed with RK1 current limiting fuses sized at least 100% of the device's ampacity rating.
- **Environmental Ratings**
IP66/IP67
- **Temperature Range**
Min -40°F/Max 140°F
See pg 252 for temperatures outside of this range.
- **Wiring Capacity**
Min 1/0 AWG / Max 444 MCM
90°C rated wire required
- **Applicable Standards**
UL 1691, CSA 1691-12, NOM

Receptacle (female) without lug Inlet (male) without lug



! Don't forget to add installation accessories to your order

North American Configurations

NORTH AMERICAN COLOR CODE	POLARITY	PART # WITHOUT LUG	PART # WITHOUT LUG
	L1	45-34001-P80	45-38001-P80
	L2	45-34002-P80	45-38002-P80
	L3	45-34003-P80	45-38003-P80
	NEUTRAL	45-3400N-P80	45-3800N-P80
	GROUND	45-3400T-P80	45-3800T-P80
	POSITIVE	45-3400P-P80	45-3800P-P80
	NEGATIVE	45-3400M-P80	45-3800M-P80

IEC/CE Ratings

- **Max Amperage**
400 A
Not for Current Interrupting
- **Voltage**
1000 VAC, 1500 VDC
- **Environmental Ratings**
IP66/IP67
- **Temperature Range**
Min -15°F/Max 140°F
See pg 252 for temperatures outside of this range.
- **Wiring Capacity**
Min 1/0 AWG / Max 444 MCM
185 mm² stranded
- **Applicable Standards**
CE

IEC/CE Configurations

EUROPEAN COLOR CODE	POLARITY	PART # POLY	PART # POLY
Brown	L1	45-34001	45-38001
Black	L2	45-34002	45-38002
Grey	L3	45-34003	45-38003
Blue	NEUTRAL	45-3400N	45-3800N
Green	GROUND	45-3400T	45-3800T
Red	POSITIVE	45-3400P	45-3800P
Black	NEGATIVE	45-3400M	45-3800M

INSTALLATION ACCESSORIES – SIZE M

ANGLES

POLY ANGLE			
	0°	45-3A540	Required for mounting on panels, walls, etc.
	30°	45-3A027	With Adapter Plate.

ACCESSORIES

INLET CAP	
	45-3A126
UNLOCKING TOOL	
	45-3A396
One unlocking tool on a "valet" style separable key ring is included with each male inlet.	
PADLOCKING TOOL	
	45-3A843

INSTALLATION ACCESSORIES – SIZE M

CRIMPING LUGS



INTERNAL DIAMETER		STRAIGHT W/TERMINAL	STRAIGHT THREADED	FLEXIBLE WIRING	COARSE WIRING
in	mm	PART #	PART #	AWG	AWG
.43	11	45-4A50C	45-4A50D	1/0 ¹	2/0
.51	13.1	45-4A70C	45-4A70D	2/0, 3/0	3/0, 4/0
.57	14.5	45-4A95C	45-4A95D	4/0	250
.64	16.2	45-4A12C	45-4A12D	262	300
.71	18	45-4A15C	45-4A15D	300, 313	350
.81	20.6	45-4A18C	45-4A18D	350 ⁺ , 373	400, 500
.91	23.1	45-4A24C	45-4A24D	444 ⁺ , 500, 535	600

Notes: * Class H & I

¹ The ground conductor shall be limited to a maximum size of 1/0 AWG.

UL listing performed with Greenlee EK6IDL11 dieless tool and Dewalt DCE300M2 with Greenlee KC12 dies. * Only for use with Greenlee EK6IDL11 dieless tool.

HANDLES

HANDLE	CABLE OUTSIDE DIAMETER	PART #	HANDLE WITH CORD GRIP (MESH)	CABLE OUTSIDE DIAMETER	PART #	CABLE OUTSIDE DIAMETER	PART #
	0.50-1.00"	45-3A753		0.50-0.63"	45-3A753-A	0.88-1.00"	45-3A783-A
	0.70-1.26"	45-3A783		0.56-0.69"	45-3A753-B	1.00-1.13"	45-3A783-B
				0.63-0.75"	45-3A753-C	1.13-1.25"	45-3A783-C
				0.69-0.81"	45-3A753-D	1.25-1.38"	45-3A783-D
				0.75-0.88"	45-3A753-E		

Not UL/CSA listed

Heavy-Duty
300 lb grip

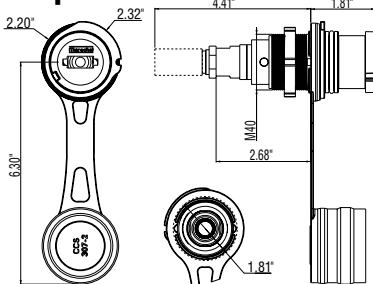
Dimensions Inlet/Receptacle – Provided in Inches

Dimensions are for reference only and may change depending on accessories used. For precise dimensions contact MELTRIC Engineering.

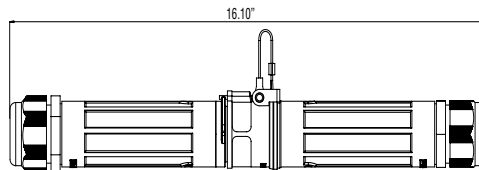
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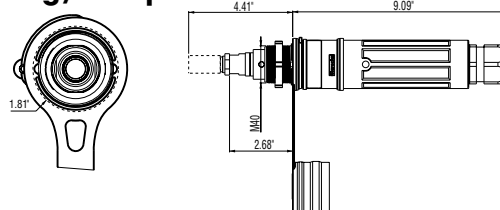
Receptacle



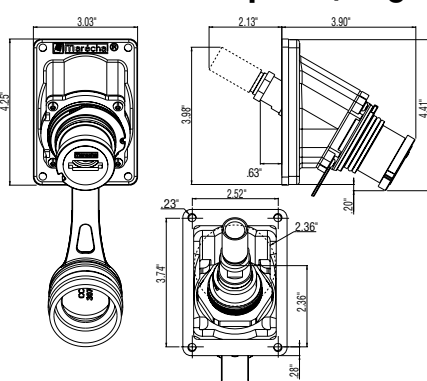
Inline Connector



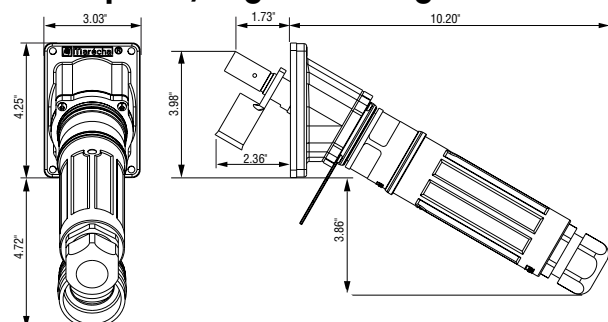
Plug/Receptacle



30° Inclined Receptacle/Angle



30° Receptacle/Angle with Plug



Visit melttric.com to view and download detailed CS1000 drawing files.

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