Miscellaneous Accessories
WIRE CONNECTOR LUG ASSEMBLY

600 V

Specifications

Voltage Range	600 V
Current Rating	Based on NEC Table 310.16, using 75 °C copper wire
Connector	Aluminum: highly conductive aluminum, tin plated
Approvals	cULus listed (File: E502265)
Environmental	RoHS Compliant
Country of Origin	China

Description

Wire connector lug assemblies offer a safe, convenient way of splicing cables, providing a fixed junction tap-off point or splitting primary power into secondary circuits.

Applications

- HVAC/R
- Elevator systems
- Material handling equipment
- Control panels
- Motor controls
- Switchgear
- Applications where power needs to be distributed to more than one load

Connectors

Box lug connectors are designed for use with a single or multiple, solid or class B or C stranded conductor. For UL approved use of more than one conductor per connector opening, contact Littelfuse Technical Service. Manufacturers of cable terminations can furnish crimp-on sleeves for fine stranded conductors which permit these conductors to be used with box lugs.

Ampere Ratings

The wire connector lug assembly ampere rating is based on the line ampacity of 75 °C insulated conductors per NEC* Table 310.16. If 60 °C insulated conductors are used, load must not exceed the ampacity of 60 °C conductors. Use of conductors rated in excess of 75 °C is permitted (for example 90 °C), however, load must not exceed the ampacity of 75 °C conductors.

Web Resources

For dimension, CAD visit: **Littelfuse.com/WCL**

Ordering Information

Ordering Number	AMPERE RATING		LINE CONNECTION		LOAD CONNECTION		FASTENER
	COPPER	ALUMINUM	OPENINGS	WIRE RANGE	OPENINGS	WIRE RANGE	
WCL001	115 A	90 A	1	2-14 AWG	1	2-14 AWG	M4 (#8)
WCL002	115 A	90 A	1	2-14 AWG	4	10-18 AWG	M4 (#8)
WCL003	380 A	310 A	1	500 MCM - 6 AWG	6	2-14 AWG	M5 (#10)
WCL004	380 A	310 A	1	500 MCM - 6 AWG	4	2-14 AWG	M5 (#10)
WCL005	350 A	270 A	2	2/0-14 AWG	6	4-14 AWG	M5 (#10)
WCL006	175 A	135 A	1	2/0-14 AWG	1	2/0-14 AWG	M5 (#10)
WCL007	380 A	310 A	1	500 MCM-4 AWG	6	2/0-14 AWG	M6 (1/4)
WCL008	380 A	310 A	1	500 MCM-4 AWG	12	2-14 AWG	M6 (1/4)
WCL009	760 A	620 A	2	500 MCM-4 AWG	12	4-14 AWG	M6 (1/4)
WCL010	760 A	620 A	2	500 MCM-4 AWG	8	2/0-14 AWG	M6 (1/4)
WCL011	175 A	135 A	1	2/0-14 AWG	4	4-14 AWG	M5 (#10)
WCL012	175 A	135 A	1	2/0-14 AWG	6	4-14 AWG	M5 (#10)

*NEC is a trademark of its respective owner.

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Wire Specification and Torque Table

Ordering Number	LINE CONNECTION			LOAD CONNECTION		
	CONNECTOR IMAGE	WIRE RANGE	TORQUE RANGE	CONNECTOR IMAGE	WIRE RANGE	TORQUE RANGE
WCL001		2-6 AWG	5.6 N-m (50 IN-LBS)		2-6AWG	5.6 N-m (50 IN-LBS)
		8-14 AWG	4.5N-m (40 IN-LBS)		8-14 AWG	4.5 N-m (40 IN-LBS)
WCL002		2-6 AWG	5.6 N-m (50 IN-LBS)		10-16 AWG	0.8 N-m (7 IN-LBS)
		8-14 AWG	4.5N-m (40 IN-LBS)		18 AWG	0.6 N-m (5 IN-LBS)
WCL003		500MCM - 6 AWG	42.4 N-m (375 IN-LBS)		2-16 AWG	5.6 N-m (50 IN-LBS)
					8-14 AWG	4.5 N-m (40 IN-LBS)
WCL004		500MCM - 6 AWG	42.4 N-m (375 IN-LBS)		2-16 AWG	5.6 N-m (50 IN-LBS)
					8-14 AWG	4.5 N-m (40 IN-LBS)
WCL005		2/0-6 AWG	13.6 N-m (120 IN-LBS)		4-14 AWG	4.0 N-m (35 IN-LBS)
		8-14 AWG	4.5 N-m (40 IN-LBS)			
WCL006		2/0-6 AWG	13.6 N-m (120 IN-LBS)		2/0-6 AWG	13.6 N-m (120 IN-LBS)
		8-14 AWG	4.5 N-m (40 IN-LBS)		8-14 AWG	4.5 N-m (40 IN-LBS)
WCL007		500MCM-4 AWG	42.4 N-m (375 IN-LBS)		2/0-6 AWG	13.6 N-m (120 IN-LBS)
					8-14 AWG	4.5 N-m (40 IN-LBS)
WCL008		500MCM-4 AWG	42.4 N-m (375 IN-LBS)		2-6 AWG	5.6 N-m (50 IN-LBS)
					8-14 AWG	4.5 N-m (40 IN-LBS)
WCL009		500MCM-4 AWG	42.4 N-m (375 IN-LBS)		4-14 AWG	4 N-m (35 IN-LBS)
WCL010		500MCM-4 AWG	42.4 N-m (375 IN-LBS)		2/0-6 AWG	13.6 N-m (120 IN-LBS)
					8-14 AWG	4.5 N-m (40 IN-LBS)
WCL011		2/0-6 AWG	13.6 N-m (120 IN-LBS)		4-14 AWG	4 N-m (35 IN-LBS)
		8-14 AWG	4.5 N-m (40 IN-LBS)			
WCL012		2/0-6 AWG	13.6 N-m (120 IN-LBS)		4-14 AWG	4 N-m (35 IN-LBS)
		8-14 AWG	4.5 N-m (40 IN-LBS)			

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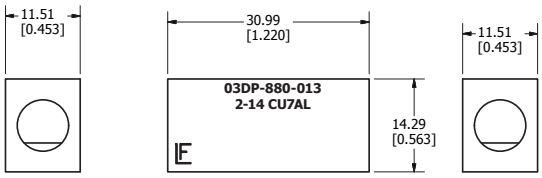
Dimensions mm (in)

WCL001



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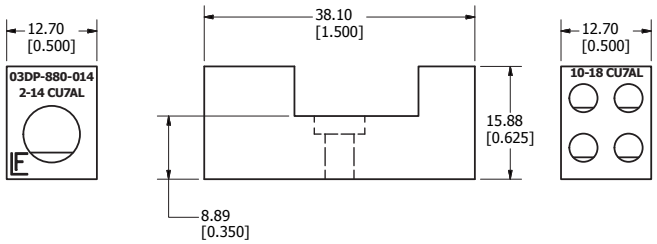

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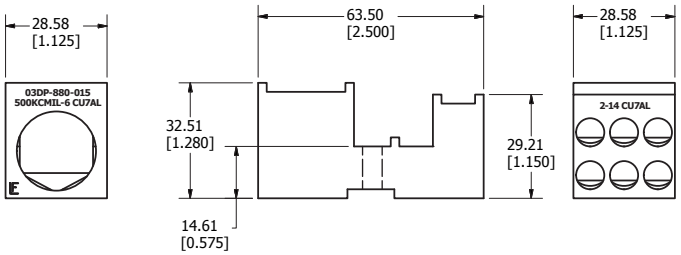

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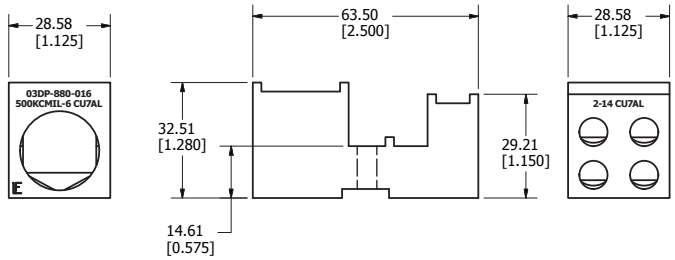

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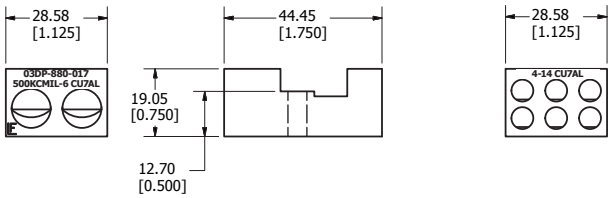

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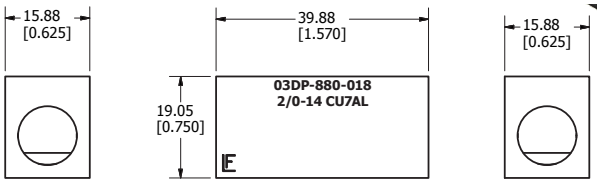

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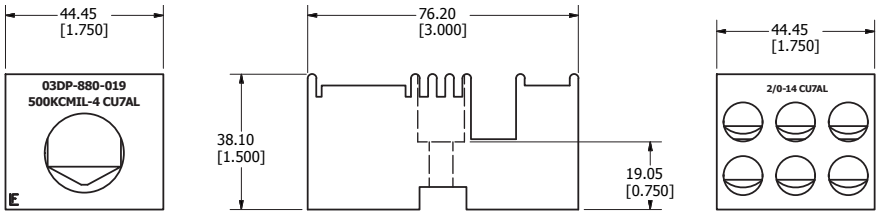
Dimensions mm (in)

WCL007



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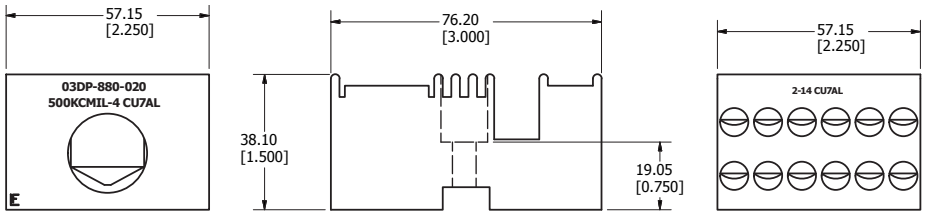

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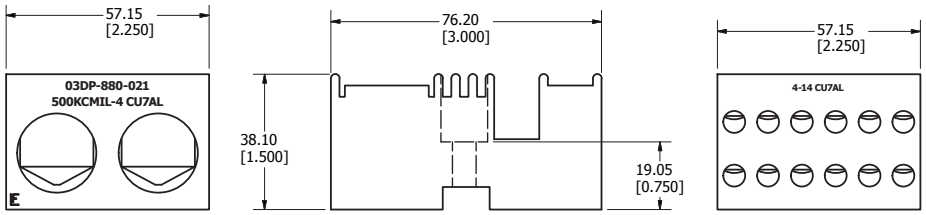

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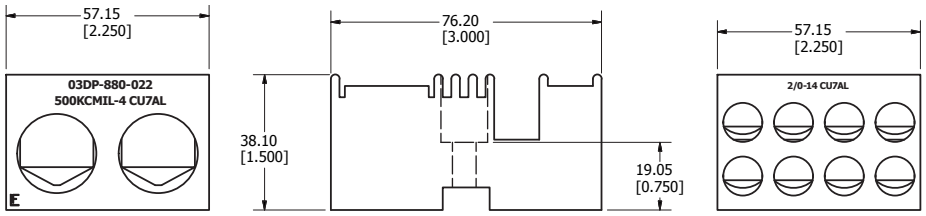

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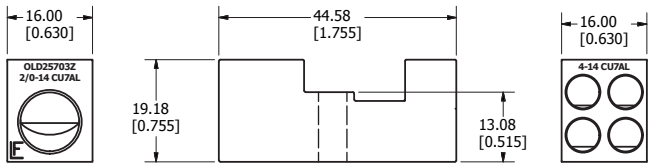

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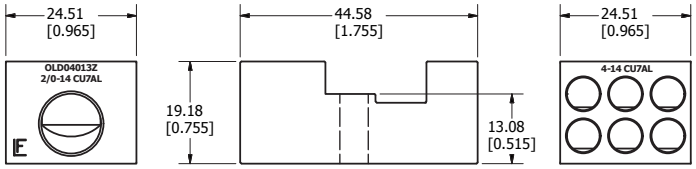

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