

**CDSUX-C Series - Extended Range Buffer Networks**

# CDSUX-C Series



60 Hz Models Only

**Features**

- Sealed, constructed of 16 gauge cold rolled steel
- All non-conductive surfaces protected with suitable painting or electroplating
- Removable input cover for terminal access and field wiring connection
- Threaded conduit fitting with flexible lead on the load side
- Knockouts provided on the input side
- Discharge bleeder resistor provided to reduce shock hazard
- Surge protector provided upon request

**Electrical Characteristics**

**Voltage Drop:**

Less than 1% @ unity power factor

**Overload:**

140% of rated current for 15 minutes

**Harmonic Distortion:**

Less than 2% @ full rated current

**Dielectric Withstanding Voltage:**

Per MIL-PRF-15733 and UL1283

**D.C. Insulation Resistance:**

Per MIL-STD-202, Method 302

**Terminal Strength:**

Per MIL-STD-202, Method 211, Condition E

**Temperature Rise:**

Per MIL-PRF-15733 and UL1283

**R.F. Radiation:**

100 dB minimum shielding effectiveness

**Insertion Loss:**

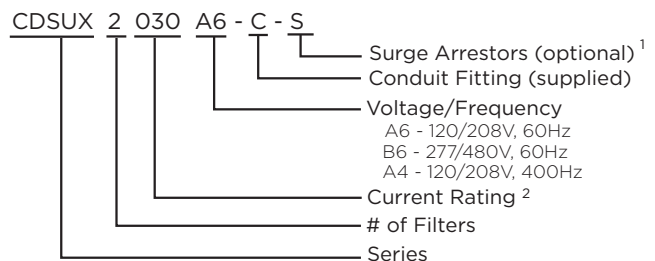
100 dB from 14 kHz - 10 GHz per MIL-STD-220A, under load condition, using extended range buffer networks over the frequency range of 14 kHz - 20 MHz

**Applicable Publications:**

- MIL-PRF-15733** – Filters, radio interference
- MIL-STD-202** – Test methods for Components
- MIL-STD-220A** – Test method of Insertion Loss
- MIL-STD-285** – Test method for Shielding Effectiveness
- NFPA 70-1987** – National Electric Code
- 486A - 1983** – Wire Connectors and Lug
- UL1283** – UL standard for EMI Filters



**How to Order:**

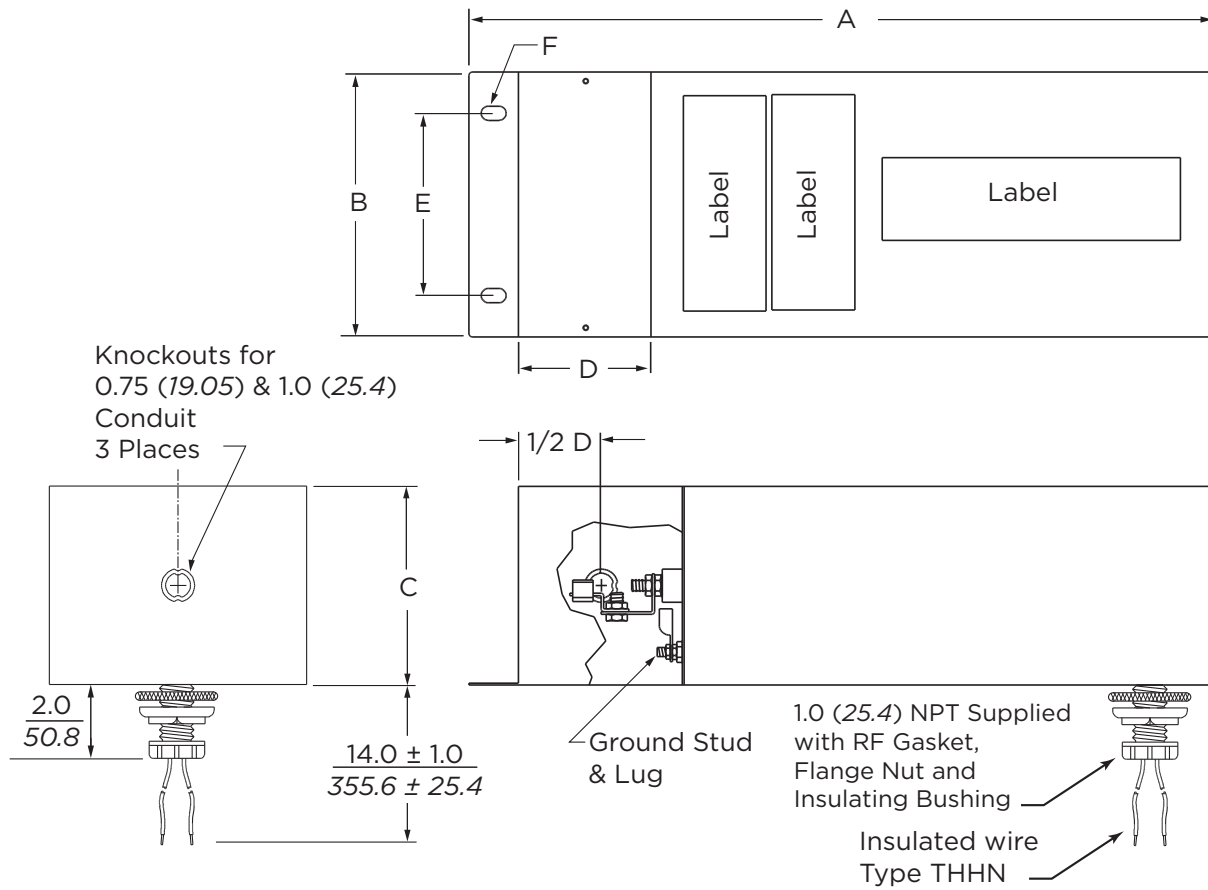


Examples: CDSUX2030A6-C-S, CDSUX1010B6-C

Note 1: Surge Arrestor for A6/A4\* Models: V251BA60  
Surge Arrestor for B6 Models: V481BA60

Note 2: Current configuration listed as 3 digits with leading zeros

**CDSUX-C Series - Extended Range Buffer Networks** *(continued)*



CDSUX	Rated Current	Dimensions						Wire Gauge (AWG/mm <sup>2</sup> )	Approx. Weight (Pounds/KG)
		A ±.063 [1.6]	B ±.063 [1.6]	C ±.063 [1.6]	D	E	F		
1010**-C	10A	21.0 533.4	4.0 101.6	5.0 127.0	5.0 127.0	3.0 76.2	.31 x .50 7.87 x 12.7	10 5.26	15 6.80
2010**-C	2 @ 10A	21.0 533.4	8.0 203.2	5.0 127.0	5.0 127.0	5.5 139.7	.43 x .75 10.9 x 19.1	10 5.26	30 13.6
1030**-C	30A	26.0 660.4	6.0 152.4	6.0 152.4	5.0 127.0	4.0 101.6	.31 x .50 7.87 x 12.7	6 13.20	30 13.6
2030**-C	2 @ 30A	26.0 660.4	12.0 304.8	6.0 152.4	5.0 127.0	9.0 228.6	.43 x .75 10.9 x 19.1	6 13.20	60 27.2
1060**-C	60A	32.0 812.8	8.0 203.2	6.0 152.4	6.0 152.4	5.5 139.7	.43 x .75 10.9 x 19.1	6 13.20	60 27.2
1100**-C	100A	34.0 863.6	8.0 203.2	6.0 152.4	8.0 203.2	5.5 139.7	.43 x .75 10.9 x 19.1	2 33.6	70 31.8
1150**-C	150A	41.0 1041.4	10.0 254.0	6.0 152.4	9.0 228.6	9.0 228.6	.43 x .75 10.9 x 19.1	0 53.5	90 40.8
1225**-C	225A	41.0 1041.4	10.0 254.0	6.0 152.4	9.0 228.6	9.0 228.6	.43 x .75 10.9 x 19.1	250 MCM 126.0	120 54.4

\*400Hz filters available upon request. Will require external power factor correction coil. Please contact TE Connectivity Application Engineering 1-847-573-6517.

Max. Operating Voltage	
A6:	120/208V, 60 Hz
B6:	277/480V, 60 Hz
A4*:	120/208V, 400 Hz