

Catalog: 1654986 Issue Date: 06.2011

## **CDEUW Series (Capacitive Input)**

# **CDEUW Series**

### **Filter Cabinet**

- Modified NEMA I, constructed of not less than #14 gauge CRS with galvanized bulkhead
- Blue epoxy finish to all non-conductive surfaces
- R.F. Radiation of the shielded (load) compartment greater than 100 dB from 14 kHz to 10 GHz
- Front cover access, dual cover design
- Filter inserts pre-wired to standoffs and lugs
- Lifting hooks and mounting tabs
- Legs for floor mount available (see page 24)

#### Individual Filters

- Sealed components with welded and/or soldered seams
- Constructed of not less than #16 gauge steel with corrosion resistant plating
- Bleeder resistor to eliminate shock hazard provided
- Surge arrestors 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 standard load condition

## **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

‡ Not intended for HEMP applications. Refer to the CDEUL(≤150A)

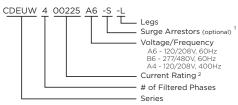


60 Hz Models Only



Shown with optional legs Center mounting bracket not installed on all sizes

#### How to Order:



Examples:

CDEUW400225A6-S-L =

4, 225A CDEUW, 120/280V filters in cabinet with surge arrestors and legs

CDEUW300030B6 =

3, 30A CDEUW, 277/480V filters in cabinet

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

Note 2: Current configuration listed as 5 digits with leading zeros

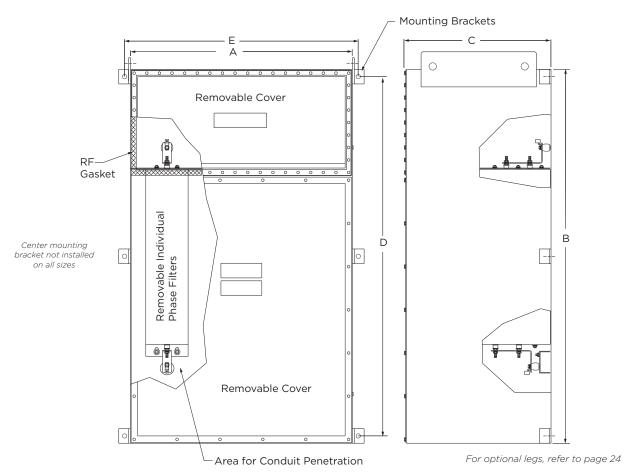
page 12 or TECUL Series (≥225A) page 14 for HEMP applications..

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## **CDEUW Series (Capacitive Input)** (continued)



Recommended torque for fasteners on removable cover: 25 in. lb. ± 3 in. lb.

# Filtered phases	D	imensio	ns		Weight	
@ rated current	Α	В	С	D	Ε	(Pounds/KG)
2 @ 10A	14.0	30.0	6.0	22.0	16.0	95
	355.6	762.0	152.4	558.8	406.4	43.1
3 @ 10A	20.0	30.0	6.0	22.0	22.0	100
	508.0	762.0	152.4	558.8	558.8	45.4
4 @ 10A	26.0	30.0	6.0	22.0	28.0	120
	660.4	762.0	152.4	558.8	711.2	54.4
2 @ 30A	16.0	38.0	8.0	26.0	18.0	170
	406.4	965.2	203.2	660.4	457.2	77.1
3 @ 30A	23.0	38.0	8.0	26.0	25.0	240
	584.2	965.2	203.2	660.4	635.0	108.9
4 @ 30A	30.0	38.0	8.0	26.0	32.0	300
	762.0	965.2	203.2	660.4	812.8	136.1
2 @ 60 or 100A	16.0	44.0	10.0	32.0	18.0	240
	406.4	1117.6	254.0	812.8	457.2	108.9
3 @ 60 or 100A	23.0	44.0	10.0	32.0	25.0	310
	584.2	1117.6	254.0	812.8	635.0	140.6
4 @ 60 or 100A	30.0	44.0	10.0	32.0	32.0	400
	762.0	1117.6	254.0	812.8	812.8	181.4

# Filtered phases	D	imensio	ns		Weight	
@ rated current	Α	В	С	D	Е	(Pounds/KG)
2 @ 150A	16.0	54.0	14.0	42.0	18.0	320
	406.4	1371.6	355.6	1066.8	457.2	145.1
3 @ 150A	23.0	54.0	14.0	42.0	25.0	430
	584.2	1371.6	355.6	1066.8	635.0	195.0
4 @ 150A	30.0	54.0	14.0	42.0	32.0	650
	762.0	1371.6	355.6	1066.8	812.8	294.8
2 @ 225A	16.0	54.0	14.0	42.0	18.0	380
	406.4	1371.6	355.6	1066.8	457.2	172.4
3 @ 225A	23.0	54.0	14.0	42.0	25.0	520
	584.2	1371.6	355.6	1066.8	635.0	235.9
4 @ 225A	30.0	54.0	14.0	42.0	32.0	700
	762.0	1371.6	355.5	1066.8	812.8	317.5

Max. Operating Voltage

A6: 120/208V, 60 Hz B6: 277/480V, 60 Hz A4\*: 120/208V, 400 Hz \*400Hz filters available upon request. Will require external power factor correction coil. Please contact TE Connectivity Application Engineering 847-573-6517.