



Introducing Corcom DB Series

The Corcom DB Series is a new family of 60A inlet products for filtered applications up to 150 VDC and non-filtered applications up to 300 VDC. Filtered inlets are available in compact sizes with power filtering options for standard or high-performance applications. A filtered version with feedthrough capacitors is also available for improved performance in the high frequency range. Utilizing TE #4 AWG Elcon “drawer style” contacts, the filtered versions are pre-wired for easy customer termination with #6 AWG hi-flex stranded wire. Non-filtered plugs and receptacles are available with or without pre-terminated, hi-flex wire in standard lengths.



KEY FEATURES

- Compact connector for high-current DC applications
- Reliable performance in a compact assembly
- 60A DC current rating
- Polarized mating scheme
- Easy customer termination of power source
- Plug and receptacle available preterminated with standard wire lengths

Applications

- Rack mounted equipment
- Telecom
- Automotive equipment
- Electric Vehicles
- Battery charging systems
- Power supplies
- Light industrial applications

STANDARDS AND SPECIFICATIONS

- UL Recognized
- CSA Certified
- TUV Certified



ELECTRICAL SPECIFICATIONS

		Filtered models	DBR & DBP
Hipot rating (one minute):	Line to Ground:	2121 VDC	n/a
	Line to Line:	1768 VDC	1600 VAC
Rated Voltage (max):		150 VDC*	300 VDC
Rated Current:		60A	

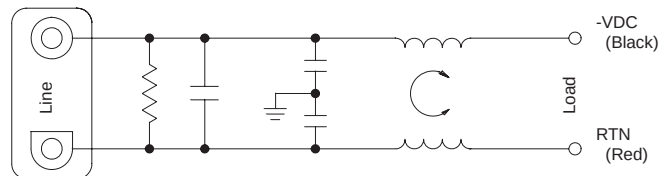
*Certified to 120 VDC for TUV

WARNING

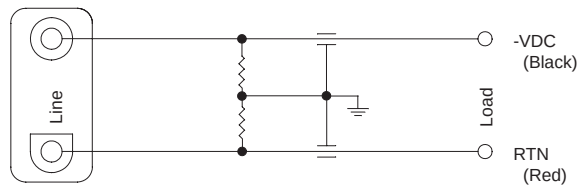
This is not approved for hot swap or current interruption in DC applications. Doing so will result in irreparable damage to the contacts.

ELECTRICAL SCHEMATICS

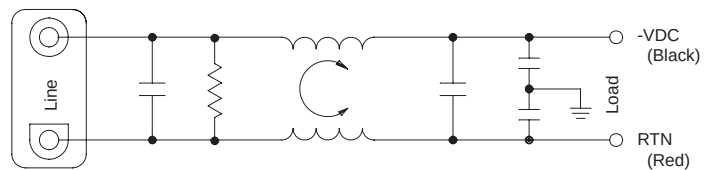
DB8 & DBJ8



DBF8



DBX8



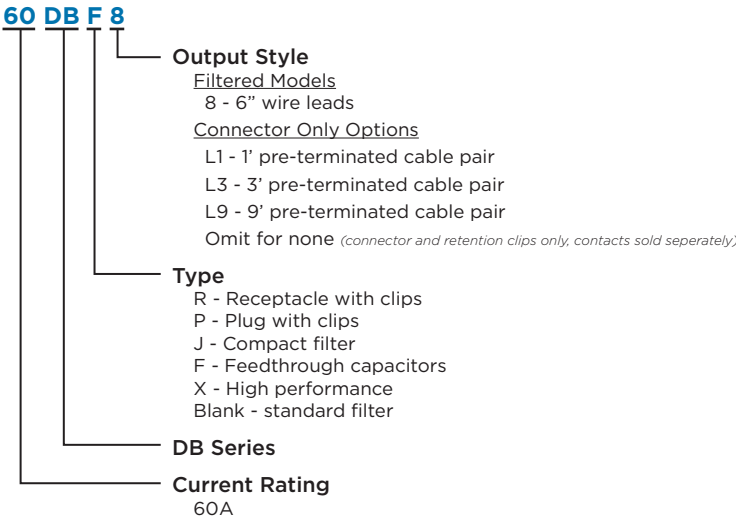
PRODUCT OFFERING

Filtered Versions				Accessories & Tooling	
4-1609075-4:	60DB8	4-1609075-5:	60DBF8	Single contact socket for use with 60DBP ¹ :	6648434-1
4-1609075-6:	60DBJ8	4-1609075-7:	60DBX8	Single contact pin for use with 60DBR ¹ :	1766232-1
Connectors with pre-terminated wire leads				Single reducer for #6 AWG wire with DBP/DBR contacts:	176813-1
4-1609075-9:	60DBPL1	6-1609075-4:	60DBRL1	Contact Insertion / Extraction Tool:	1643922-1
5-1609075-0:	60DBPL3	6-1609075-5:	60DBRL3	Crimp per TE specification:	114-13206
5-1609075-1:	60DBPL9			Crimp Tool:	M22520/23-01
Connectors Only*				Indenter head:	M22520/23-04
5-1609075-7:	60DBP	5-1609075-6:	60DBR	Locator:	M22520/23-11
				DBP, DBR and DBJ8 connector locking kit ² :	3-1609114-0
				60DB8, 60DBF8 and 60DBX8 connector locking kit ² :	3-1609114-1

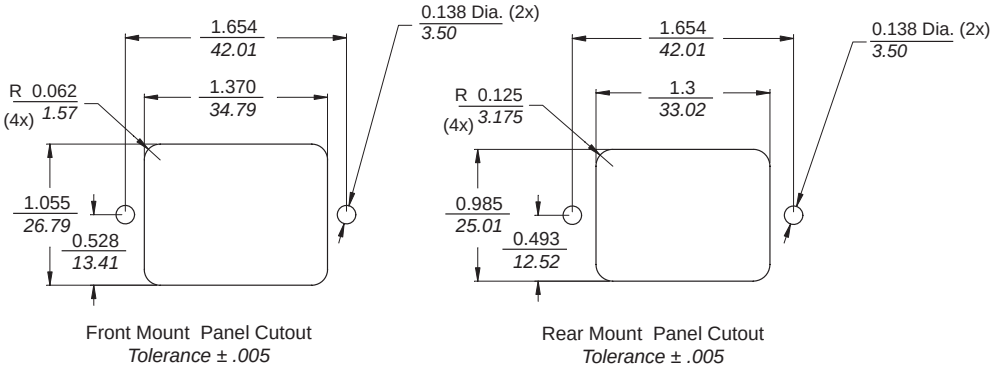
* Includes molded connector and contact retention clips only. Contacts sold separately

¹ Accommodates #4 AWG wire. 2 required per connector.
Reducer required for #6 AWG sold separately
² Prevents accidental separation of mated connectors

ORDERING INFORMATION

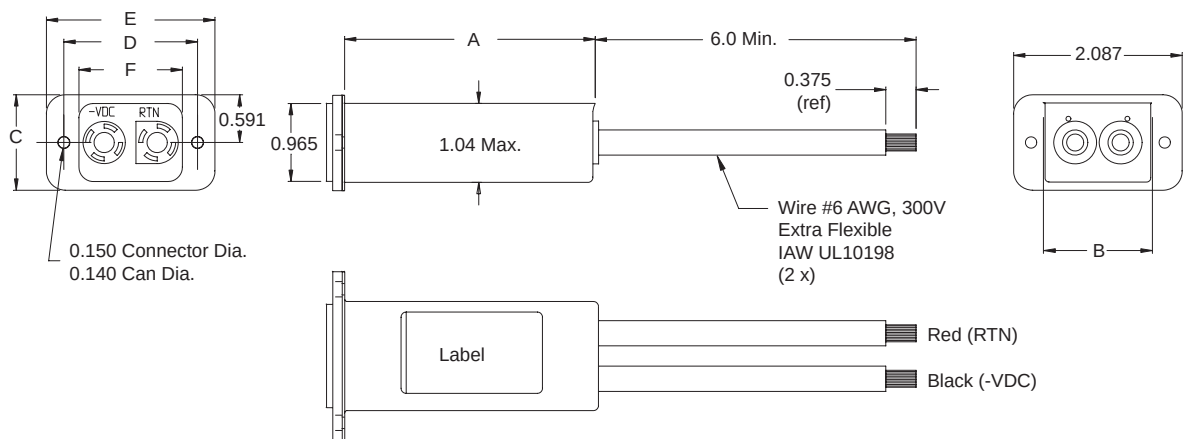


RECOMMENDED PANEL CUTOUT

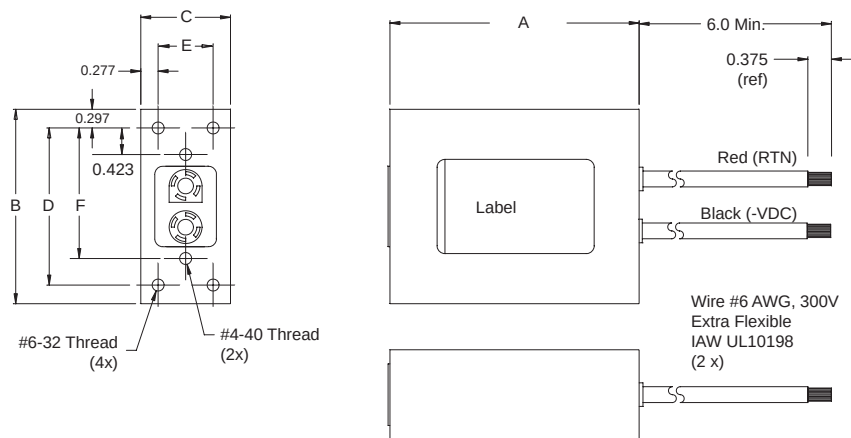


CASE STYLES

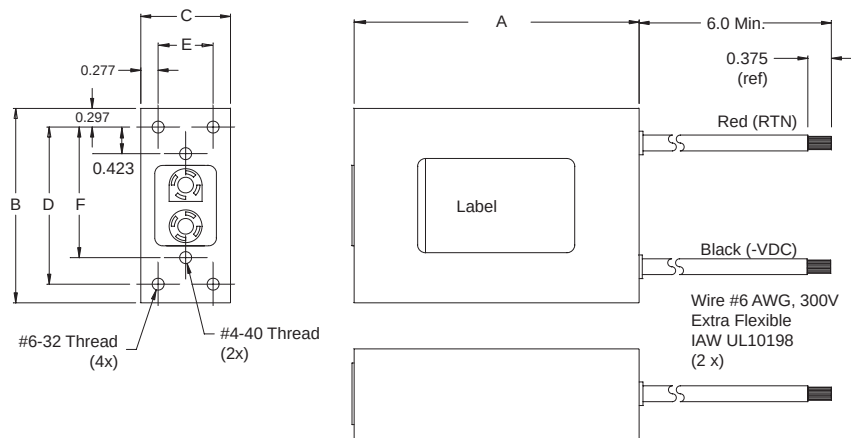
DBJ8



DB8 & DBF8

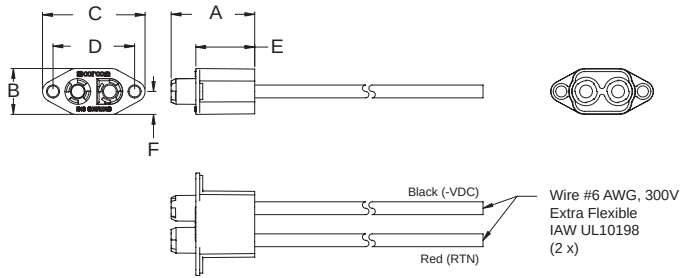


DBX8

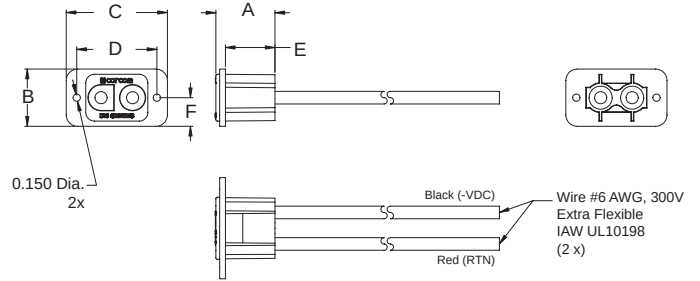


CASE STYLES

DBPL



DBRL



Minimum cable lengths:
 DBRL1 / DBPL1: 12 [304.8]
 DBRL3 / DBPL3: 36 [914.4]
 DBPL9: 108 [2743.2]

CASE DIMENSIONS

Part Numbers	A (max)	B (max)	C ± 0.025 ± 0.635	D ± 0.025 ± 0.635	E ± 0.025 ± 0.635	F ± 0.025 ± 0.635
60DBJ8	3.2	1.36	1.181	1.654	2.087	1.28
	81.28	34.544	29.997	42.012	53.01	32.512
60DB8 60DBF8	4.06	3.20	1.45	2.50	0.875	2.077
	103.12	81.28	36.83	63.50	22.23	52.76
60DBX	6.06	3.50	1.45	2.876	0.875	2.265
	153.92	88.90	36.83	73.05	22.23	57.53
60DBRL	1.22*	1.181*	2.087	1.654	1.023	0.591
	30.99*	29.99*	53.009	42.011	25.984	15.011
60DBPL	1.695*	0.93*	2.08	1.654	1.195	0.465
	43.05*	23.62*	52.832	42.011	30.353	11.811

* ± 0.025 [0.635]

PERFORMANCE DATA

Minimum Insertion Loss - Measured in closed 50 Ohm system

Common Mode / Asymmetrical (Line to Ground)

Part No.	Frequency — MHz									
	.1	.15	.5	1	5	1	20	30	50	100
60DBJ8	-	-	-	1	13	21	30	40	30	20

Differential Mode / Symmetrical (Line to Line)

Part No.	Frequency — MHz									
	.1	.15	.5	1	5	1	20	30	50	100
60DBJ8	5	8	19	26	34	26	20	16	-	-

Part No.	Frequency — MHz									
	.05	.1	.15	.5	1	3	5	10	20	30
60DB8	2	7	10	23	30	48	38	28	20	16
60DBF8	15	22	25	35	42	50	58	54	38	36
60CBX8	-	10	16	40	48	54	60	51	40	36

Part No.	Frequency — MHz									
	.05	.1	.15	.5	1	3	5	10	20	30
60DB8	20	26	29	43	53	30	30	24	20	18
60DBF8	9	15	18	30	34	40	44	44	48	52
60CBX8	31	30	30	70	70	54	50	60	54	50

FOR MORE INFORMATION

corcom.com

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Part numbers in this brochure are RoHS Compliant*, unless marked otherwise.

*as defined www.te.com/leadfree

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