

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.



TE Connectivity Corcom DB Series



STANDARDS AND SPECIFICATIONS

- UL Recognized
- CSA Certified
- TUV Certified





ELECTRICAL SPECIFICATIONS

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

*Certified to 120 VDC for TUV

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

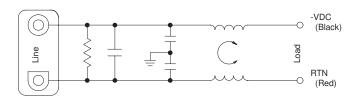
- Rack mounted equipment
- Telecom
- Automotive equipment
- Electric Vehicles
- Battery charging systems
- Power supplies
- Light industrial appliations

WARNING

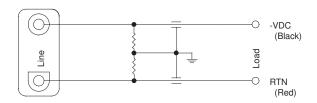
This is not approved for hot swap or current interruption in DC applications. Doing so will result in irreparable damage to the contacts.

ELECTRICAL SCHEMATICS

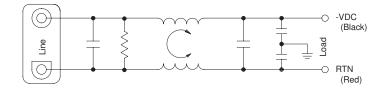
DB8 & DBJ8



DBF8



DBX8





TE Connectivity Corcom DB Series

60DBR

PRODUCT OFFERING

lter		

4-1609075-4:	60DB8	4-1609075-5:	60DBF8									
4-1609075-6:	60DBJ8	4-1609075-7:	60DBX8									
Connectors with pre-terminated wire leads												
4-1609075-9:	60DBPL1	6-1609075-4:	60DBRL1									
5-1609075-0:	60DBPL3	6-1609075-5:	60DBRL3									
5-1609075-1:	60DBPL9											
Connectors Only*												

^{*} Includes molded connector and contact retention clips only. Contacts sold seperately

5-1609075-6:

60DBP

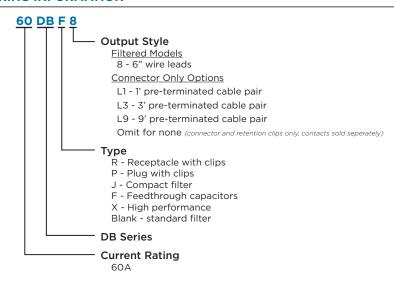
Accessories & Tooling

Single contact socket for use with 60DBP¹:	6648434-1
Single contact pin for use with 60DBR1:	1766232-1
Single reducer for #6 AWG wire with DBP/DBR contacts:	176813-1
Contact Insertion / Extraction Tool:	1643922-1
Crimp per TE specification:	114-13206
Crimp Tool:	M22520/23-01
Indenter head:	M22520/23-04
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

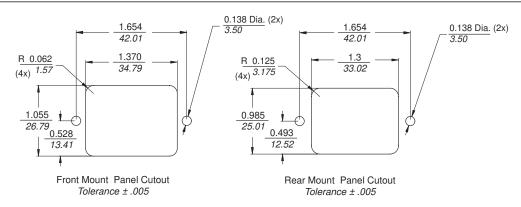
¹ Accomodates #4 AWG wire. 2 required per connector. Reducer required for #6 AWG sold seperately ² Prevents accidental seperation of mated connectors

ORDERING INFORMATION

5-1609075-7:



RECOMMENDED PANEL CUTOUT

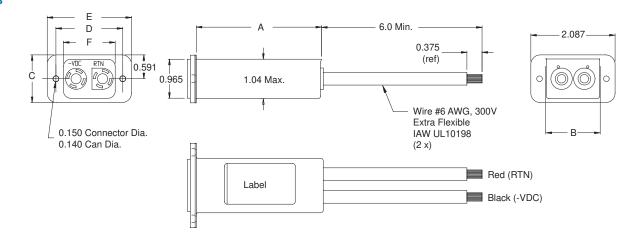




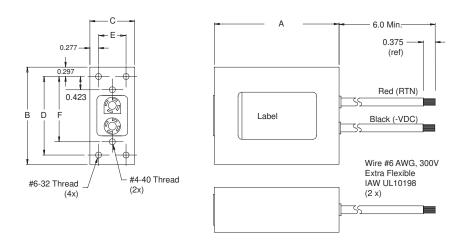
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CASE STYLES

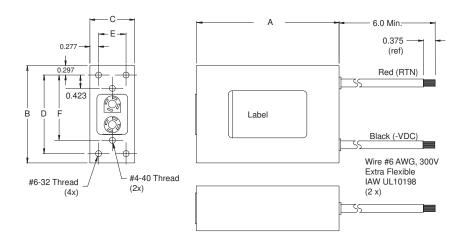
DBJ8



DB8 & DBF8



DBX8





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DBRL

CASE STYLES

DBPL

Black (-VDC) Wire #6 AWG, 300V Extra Flexible IAW UL10198 (2 x)

0.150 Dia.

2x

Black (-VDC)
Extra Flexible
IAW UL 10198
(2 x)

Minimum cable lengths: DBRL1 / DBPL1: DBRL3 / DBPL3: DBPL9:

12 [*304.8*] 36 [*914.4*] 108 [*2743.2*]

CASE DIMENSIONS

Part Numbers	A (max)	B (max)	C ±.025 ±.635	D ±.025 ±.635	E ±.025 ±.635	F ±.025 ±.635
	3.2	1.36	1.181	1.654	2.087	1.28
60DBJ8	81.28	34.544	29.997	42.012	53.01	32.512
60DB8	4.06	3.20	1.45	2.50	0.875	2.077
60DBF8	103.12	81.28	36.83	63.50	22.23	52.76
CODDY	6.06	3.50	1.45	2.876	0.875	2.265
60DBX	153.92	88.90	36.83	73.05	22.23	57.53
CORRE	1.22*	1.181*	2.087	1.654	1.023	0.591
60DBRL	30.99*	29.99*	53.009	42.011	25.984	15.011
60DBDI	1.695*	0.93*	2.08	1.654	1.195	0.465
60DBPL	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)

Differential Mode / Symmetrical (Line to Line)

Part		Frequency — MHz											Frequency — MHz								
No.	.1	.15	.5	1	5	1	20	30	50	100	No.	.1	.15	.5	1	5	1	20	30	50	100
60DBJ8	-	-	-	1	13	21	30	40	30	20	60DBJ8	5	8	19	26	34	26	20	16	-	-

Part		Frequency — MHz									Part		Frequency — MHz								
No.	.05	.1	.15	.5	1	3	5	10	20	30	No.	.05	.1	.15	.5	1	3	5	10	20	30
60DB8	2	7	10	23	30	48	38	28	20	16	60DB8	20	26	29	43	53	30	30	24	20	18
60DBF8	15	22	25	35	42	50	58	54	38	36	60DBF8	9	15	18	30	34	40	44	44	48	52
60CBX8	-	10	16	40	48	54	60	51	40	36	60CBX8	31	30	30	70	70	54	50	60	54	50



FOR MORE INFORMATION

corcom com

TE Technical Support Center

Internet: te.com/help
USA: +1 (800) 522-6752
Canada: +1 (905) 475-6222
Mexico +52 (0) 55-1106-0800
Latin/S. America: +54 (0) 11-4733-2200
Germany: +49 (0) 6251-133-1999
UK: +44 (0) 800-267666
France: +33 (0) 1-3420-8686
Netherlands: +31 (0) 73-6246-999

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

as defined www.te.com/leadfree

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