

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 appliations

STANDARDS AND SPECIFICATIONS

UL Recognized



TUV Certified

ELECTRICAL SPECIFICATIONS

		Filtered models	DBR & DBP			
	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

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									
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*									
5-1609075-7:	60DBP	5-1609075-6:	60DBR						
* Includes molded connector and contact retention clips only. Contacts sold seperately									

Accessories & Tooling	
Single contact socket for use with 60DBP ¹ :	6648434-1
Single contact pin for use with 60DBR ¹ :	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



RECOMMENDED PANEL CUTOUT





CASE STYLES





CASE STYLES

DBPL

DBRL



DBPL9:

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
60DBX	6.06	3.50	1.45	2.876	0.875	2.265
OUDBX	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
OUDBRL	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
OUDDPL	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)	
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Differential Mode / Symmetrical (Line to Line)

Part				Fr	equen	су — М	IHz				Part 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				Fre	equen	су — М	Hz				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	
6	60DBF8	15	22	25	35	42	50	58	54	38	36	60DBF8	9	15	18	30	34	40	44	44	48	52	
6	60CBX8	-	10	16	40	48	54	60	51	40	36	60CBX8	31	30	30	70	70	54	50	60	54	50	



FOR MORE INFORMATION

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