

Power Supply TPDC

Brake Chopper and Line Filter

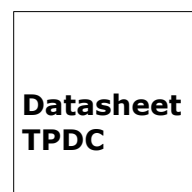
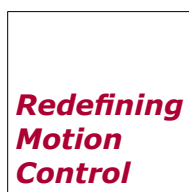
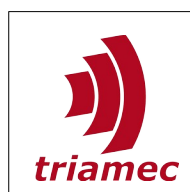


Devices of the TPDC series are designed for the TSD servo drive series.

One TPDC provides the DC-Bus for up to four drives (8 axes).

Properties

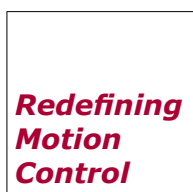
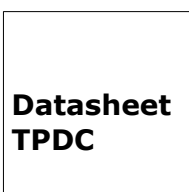
- Internal or external braking resistor for limiting the DC-Bus voltage
- Optional connection for external braking resistor (BRK option)
- DC-Bus output connections for up to four drives
- Status output and status LED



Specifications

		TPDC 50	TPDC 80	TPDC 130
Input voltage DC		40...50VDC, ±10%	64...80VDC, ±10%	100...122VDC, ±10%
Input current		30 A max. Requires limiting DC Supply with shutdown or hiccup-mode in case of short circuit		
Output voltage		40...50VDC, ±10%	64...80VDC, ±10%	100...122VDC, ±10%
Output current		continuous max. 30Arms peak: 40A for 4s		
Capacity		2mF ±20%		
Braking voltage	Tol. Std	57V ±0.2%	90V ±0.2%	137.5V ±0.2%
	Tol. Tight	58.5V ±0.2%	93V ±0.2%	142V ±0.2%
Internal brake resistor		6Ω, 5000J, Continuous power 50W (requires cooling)		
External brake resistor		min. 2.5Ω	min. 4Ω	min. 6Ω
Communication		Status out, Isolated Switch, 24V on/off, 30mA		
Dimensions		w x h x d: 48.6 x 230 x 166.5 mm ³		

Subject to change without notice.



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