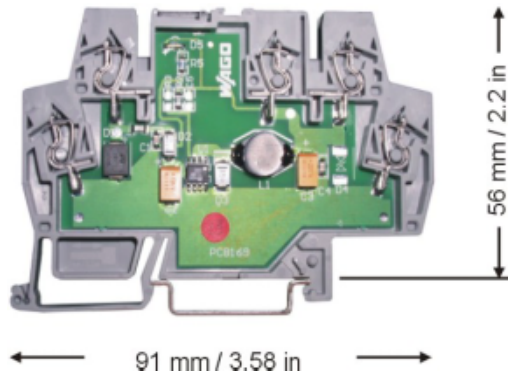


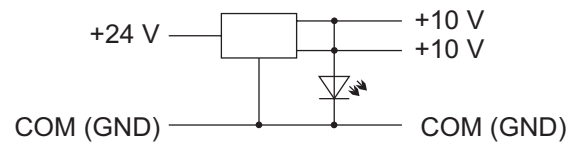
Electronic Terminal Block with DC-DC Converter

1/1

Step Down Converter DC 24 V / DC 10 V

Data sheet


Similar photo



Description	Item-No.	Pack.-unit pcs
DC/DC Converter 24 V / 10 V ; 0.5 A	859-802	1
- End plate 859-525 included and attached. - Mounting on DIN 35 rail. Application: When industrial controls that typically require DC 24 V are used in conjunction with industrial sensors operating at DC 10 V, often interface devices are required. This module can cost effectively produce DC 10 V at up to 500 mA from a 24 V source.	Technical Data	
	Input nominal voltage U _N	DC 24 V
	Input voltage range	DC 15-30 V
	Output voltage	DC 10 V
	Output voltage range	DC 10 V ± 2 %
	Max. output current	500 mA
	Max. line regulation	0.5 % (from DC 15-30 V, full load)
	Max. load regulation	0.7 % (no load to full load, DC 24 V in)
	Efficiency	85 % (DC 24 V in, full load)
	Output noise and ripple	20 mV P-P (at bandwidth 20 MHz)
	Switching frequency	200 kHz (nominal)
	Isolation	Non-isolated
	Input polarity protection	Yes
	Minimum load requirements	None
	Max. Transient recovery time	500 µs (Recovery time for a step load change of 25 % to 75 % of full load)
	Max. start-up time	3 ms (DC 24 V in, full load)
	Max. hold-up time	500 µs (DC 24 V in, full load)
	Input protection	TVS Diode
	Output short circuit protection	Momentary (Output can be shorted for 1 minute without damaging the device)
	Temperature coefficient	100 ppm/°C typ.
	Ambient operating temperature	-25 °C...+55 °C
	Terminal block width	6 mm / 0.236 in
	Wire connection	CAGE CLAMP®
		0.08-2.5 mm ² / AWG 28-14
	Stripped length	5-6 mm / 0.22 in
	Approvals	cUL _{US}
		UL508
		E175199
	cUL _{US}	
	UL1604 / CSA22.2 No.213	
	E198726	