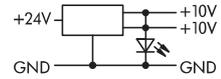
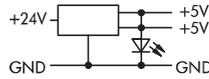
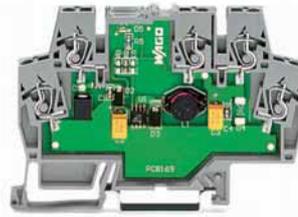
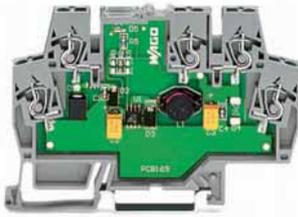
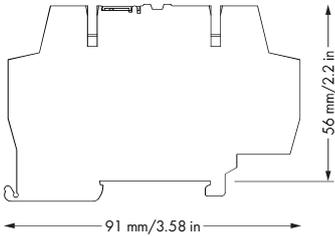


# 4 Rail-Mounted Terminal Blocks with DC/DC Converter

	<b>DC/DC converter</b> <b>24 V / 5 V, 0.5 ADCADC</b>	<b>DC/DC converter</b> <b>24 V / 10 V, 0.5 ADC</b>
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Description	V <sub>N</sub> / V <sub>O</sub>	Item No.	Pack. Unit	V <sub>N</sub> / V <sub>O</sub>	Item No.	Pack. Unit
DC/DC converter, for DIN 35 rail	24 VDC / 5 VDC ± 2 %	859-801	1	24 VDC / 10 VDC ± 2 %	859-802	1

Technical Data						
Nominal input voltage (V <sub>N</sub> )	24 VDC			24 VDC		
Input voltage range	10 ... 30 VDC			15 ... 30 VDC		
Output voltage	5 VDC ± 2 %			10 VDC ± 2 %		
Output current (max.)	500 mA			500 mA		
Line regulation, max. (full load, over input voltage range)	2 %			0.5 %		
Max. load regulation (no load to full load, nominal input)	0.5 %			0.7 %		
Efficiency at full load (24 VDC in)	70 %			85 %		
Output noise peak-to-peak max. (20 MHz bandwidth)	150 mV			20 mV		
Switching frequency	200 kHz (nominal)			200 kHz (nominal)		
Isolation	non-isolated			non-isolated		
Reverse voltage protection, input	yes			yes		
Minimum load requirement	no			no		
Max. transient recovery time (recovery time for load change from 25 % to 75% of full load)	40 µs			500 µs		
Max. startup time (24 VDC in, full load)	3 ms			3 ms		
Max. hold time (nominal input voltage, full load)	1 ms			500 µs		
Input fuse	TVS diode			TVS diode		
Output short circuit protection	temporary (short-circuit of the output for 1 minute without damage to the device)			temporary (short-circuit of the output for 1 minute without damage to the device)		
Temperature coefficient	70 ppm/°C			100 ppm/°C		
Ambient operating temperature	0 °C ... +40 °C			-25 °C ... +55 °C		
Dimensions (mm) W x H x L	6 x 56 x 91			6 x 56 x 91		
Wire connection	Height from upper-edge of DIN 35 rail CAGE CLAMP®			Height from upper-edge of DIN 35 rail CAGE CLAMP®		
Cross sections	0.08 ... 2.5 mm <sup>2</sup> / AWG 28 ... 14			0.08 ... 2.5 mm <sup>2</sup> / AWG 28 ... 14		
Stripped lengths	5 ... 6 mm / 0.22 in			5 ... 6 mm / 0.22 in		