

General Specifications

Temperature ranges	– Operating – Case temperature – Storage	–40°C to +75°C +100°C max. –55°C to +125°C
Thermal consideration	– Mounting surface – Derating and temperature test point	Optimize thermal coupling to heat conducting surface. Not to mount on flammable surface! see application note
Over temperature protection		at 110°C (auto restart)
Shock, vibration and thermal shock	– Vibration – Shock	acc. MIL-STD-810F 7.76G / 3 axis / random waveforms / 1h each axis 50G / 3 axis / terminal-peak sawtooth / 11ms
Humidity (non condensing)		95 % rel H max.
Reliability, calculated MTBF (MIL-HDBK-217F, at +70°C, ground benign)		>495'000 h
Isolation voltage (60 s)	– Input to Output – Input/Output to Case	2250 VDC (functional insulation) 1600 VDC
Isolation capacitance	– Input to Output	3500 pF max.
Isolation resistance	– Input to Output (500 VDC)	>1 GOhm min.
Switching frequency		203 – 330 kHz depending on model (puls width modulation)
Safety standards		UL 60950-1, IEC/EN 60950-1
Safety approvals	– UL/cUL 60950-1 – CB test certificate – Railway – Certification documents	www.ul.com -> certifications -> File e188913 IEC 60950-1 EN 50155 www.tracopower.com/overview/tep150wi
Remote On/Off	– positive logic (standard) – negative logic (option -N) – Off idle current:	– On: 3 to 12 VDC or open circuit – Off: 0 to 1.2 VDC or short circuit pin 5 and 3 – On: 0 to 1.2 VDC or short circuit pin 5 and 3 – Off: 3 to 12 VDC or open circuit 3 mA
Environmental compliance	– Reach – RoHS – Flamability identified acc. EN 45545-2	www.tracopower.com/info/reach-declaration.pdf RoHS directive 2011/65/EU www.tracopower.com/info/en45545-declaration.pdf

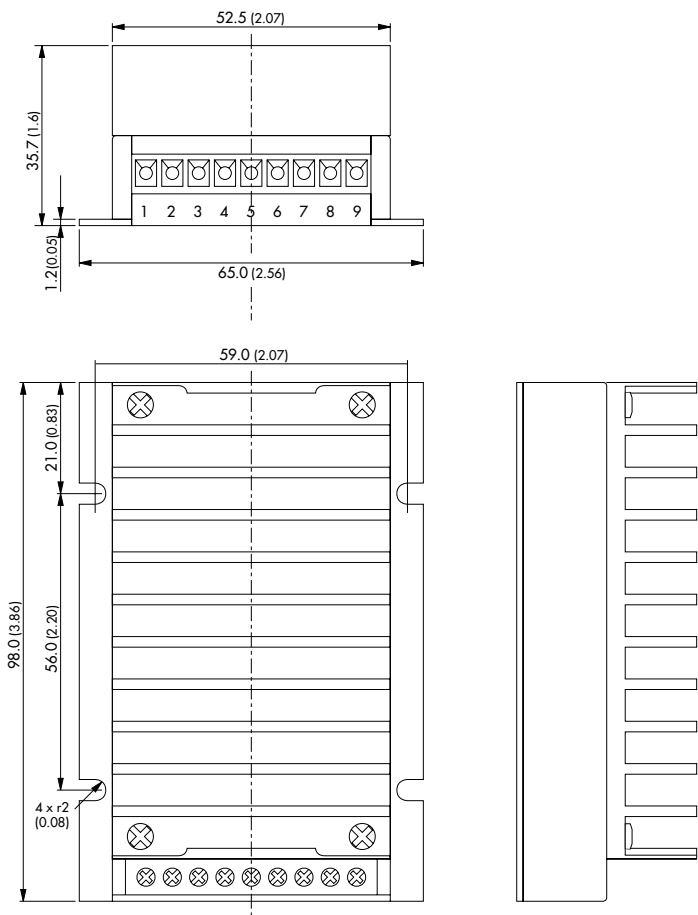
Physical Specifications

Casing material	metal
Potting material	silicone (UL 94V-0 rated)
Case protection	IP 50 (in accordance to IEC/EN 60529)
Weight	300 g (10.6 oz)

Application note: www.tracopower.com/overview/tep150wi

All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

Outline Dimensions



Pin Connection		
pin	function	recommended wire
1	+ Vin	14 – 16 AWG
2	+ Vin	14 – 16 AWG
3	- Vin	14 – 16 AWG
4	- Vin	14 – 16 AWG
5	Remote On/Off	14 – 24 AWG
6	+ Vout	14 – 16 AWG
7	- Vout	14 – 16 AWG
8	Trim	14 – 24 AWG
9	Trim	14 – 24 AWG

Weight: 300 g (10.6oz)

Dimensions in [mm], () = Inch
Mounting slot tolerance: ± 0.25 (± 0.001)
Case tolerances: ± 0.5 (± 0.02)