

General Specifications

Temperature ranges	<ul style="list-style-type: none"> - Operating - Case temperature - Storage 	-40°C to +75°C +100°C max. -55°C to +125°C
Thermal consideration	<ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> - Vibration - Shock 	acc. MIL-STD-810F 7.76G / 3 axis / random wavforms / 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)	<ul style="list-style-type: none"> - 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 style="list-style-type: none"> - 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	<ul style="list-style-type: none"> - positive logic (standard) - negative logic (option -N) - Off idle current: 	<ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> - 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

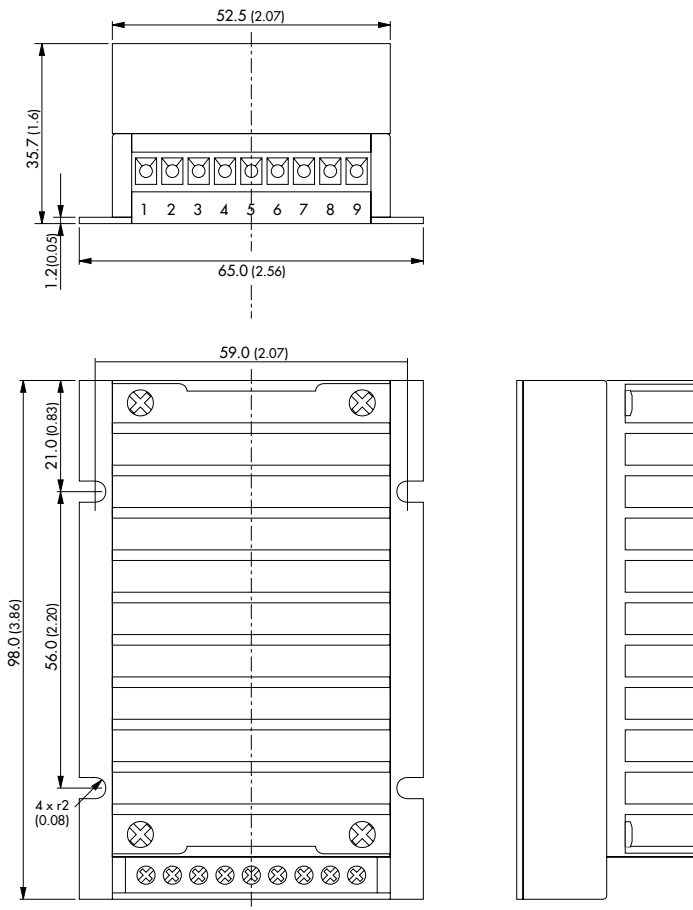
Physical Specifications

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)