General Specifications

Reliability, calculated MTBF at +25°C (according to IEC-1709)	TCL 024 models:	>2.68 Mio h
	TCL 060 models:	>2.70 Mio h
	TCL 120 models:	>1.62 Mio h
	TCL 240 models:	>1.38 Mio h
Safety standards	– Information technology equipment	IEC 60950-1, EN 60950-1 (output SELV), UL Std. 60950-1 (2nd Edition) +Am1:2011, CAN/CSA-C22.2 No. 60950-1-07 +Am1:2011
	– Industrial control equipment	UL 508
	– Electronic equipment for power installation	EN 50178
	– Electrical equipment for machines	EN 60204
	– Safety transformers for SMPS	EN 61558-2-16
Safety approvals	– CB test certificate	IEC 60950-1
	– UL approval	UL 508 listed, CSA C22.2 No. 14 File e210002 www.ul.com -> certifications
	– UL approval	UL 60950, File e181381 (except TCL 240) www.ul.com -> certifications
	– CSA certification	UL 60950-1, CSA 60950-1-03
	– Certification documents	www.tracopower.com/overview/tcl
Environmental compliance	– Reach	www.tracopower.com/info/reach-declaration.pdf
	– RoHS	RoHS directive 2011/65/EU
Electromagnetic compatibility (EMC), emissions		EN 61000-6-3
Electromagnetic compatibility (EMC), immunity		EN 61000-6-2
Safety class		degree of protection class 1
Case protection		IP 20 (IEC 60529)
Enclosure material		plastic 94V-0 rated
Mounting		DIN-rails as per EN 50022-35x15/7.5 (snap-on with self-locking spring) Adapter for wall-/chassis mounting (included)
Options		output characteristic optimized for battery charging available on request
Installation instructions		www.tracopower.com/overview/tcl

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

TCL–REM240 Redundancy Module

This module enables redundant operation of any two TCL models by decoupling the 2 power supplies. It can also be used to separate sensitive loads from the main power source.

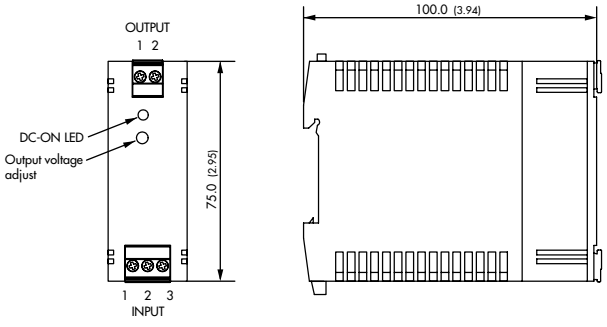
Order Code	Nominal Input Voltage	Input Voltage Range	Max Power per Input	Output Voltage	Output Current max.
TCL–REM240	5...48 VDC	5...60 VDC	200 W	Vin – 0.9 VDC	**8 A**

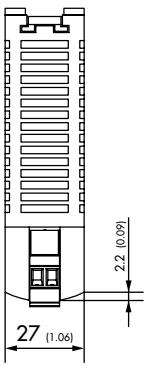
Specifications

Operating temperature	–10°C to +70°C max. (14°F ... +158°F) derating above +40°C (104°F): 1.5 %/K
Electromagnetic compatibility	in correspondence to connected units (no internal switching device)
Dimensions	same as model TCL 024 (see page 4)
Connection	detachable screw terminal block
Installation instructions	www.tracopower.com/overview/tcl

Case Dimensions

TCL 024 and TCL-REM240 models





Output	Input
1 +Vout	1 AC Ground
2 –Vout	2 Neutral
	3 Live

Weight: 140 g (4.9 oz)

Dimensions in [mm], ( ) = Inch
Tolerances: ±0.5 mm (±0.02)