

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 – Industrial control equipment – Electronic equipment for power installation – Electrical equipment for machines – Safety transformers for SMPS	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 UL 508 EN 50178 EN 60204 EN 61558-2-16
Safety approvals	– CB test certificate – UL approval – UL approval – CSA certification – Certification documents	IEC 60950-1 UL 508 listed, CSA C22.2 No. 14 File e210002 www.ul.com -> certifications UL 60950, File e181381 (except TCL 240) www.ul.com -> certifications UL 60950-1, CSA 60950-1-03 www.tracopower.com/overview/tcl
Environmental compliance	– Reach – RoHS	www.tracopower.com/info/reach-declaration.pdf 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)
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.



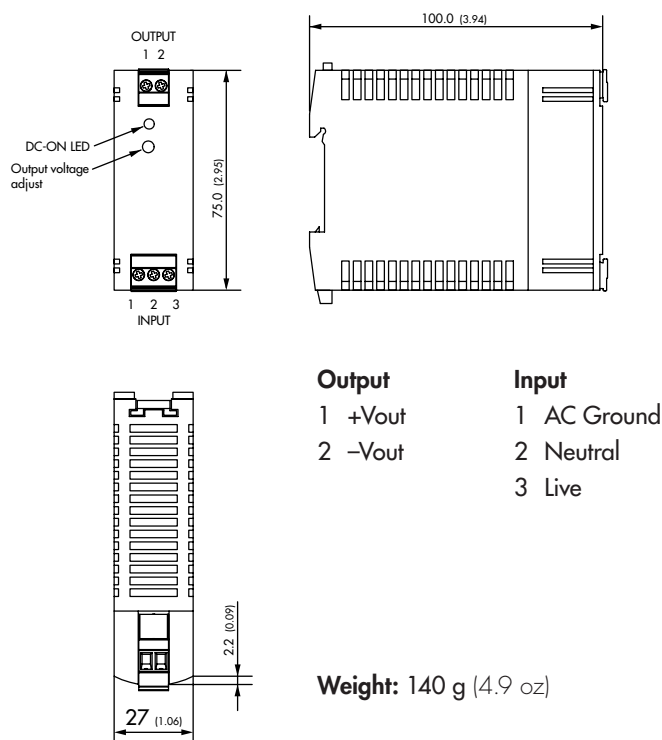
Order Code	Nominal Input Voltage	Input Voltage Range	Max Power per Input	Output Voltage	Output Current max.
TCL-REM240	5...48 VDC	5...60 VDC	200 W	$V_{in} - 0.9 \text{ VDC}$	8 A

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



Dimensions in [mm], () = Inch
 Tolerances: $\pm 0.5 \text{ mm}$ (± 0.02)