

**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	<ul style="list-style-type: none"> <li>- 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 UL 508</li> <li>- Industrial control equipment EN 50178</li> <li>- Electronic equipment for power installation EN 60204</li> <li>- Electrical equipment for machines EN 61558-2-16</li> <li>- Safety transformers for SMPS</li> </ul>
Safety approvals	<ul style="list-style-type: none"> <li>- CB test certificate IEC 60950-1</li> <li>- UL approval UL 508 listed, CSA C22.2 No. 14 File e210002 <a href="http://www.ul.com">www.ul.com</a> -&gt; certifications</li> <li>- UL approval UL 60950, File e181381 (except TCL 240) <a href="http://www.ul.com">www.ul.com</a> -&gt; certifications</li> <li>- CSA certification UL 60950-1, CSA 60950-1-03</li> <li>- Certification documents <a href="http://www.tracopower.com/overview/tcl">www.tracopower.com/overview/tcl</a></li> </ul>
Environmental compliance	<ul style="list-style-type: none"> <li>- Reach <a href="http://www.tracopower.com/info/reach-declaration.pdf">www.tracopower.com/info/reach-declaration.pdf</a></li> <li>- RoHS RoHS directive 2011/65/EU</li> </ul>
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	<a href="http://www.tracopower.com/overview/tcl">www.tracopower.com/overview/tcl</a>

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.



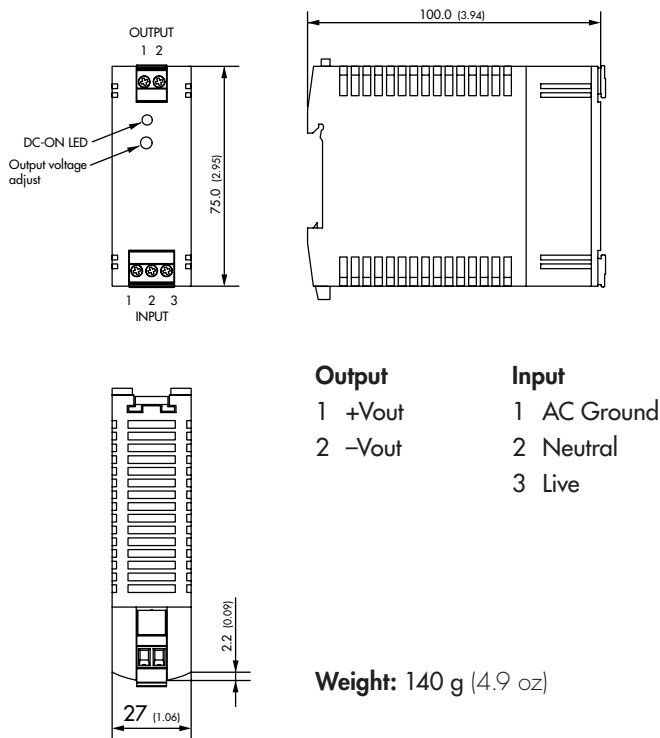
Order Code	Nominal Input Voltage	Input Voltage Range	Max Power per Input	Output Voltage	Output Current max.
TCL-REM240	5...48 VDC	5...60 VDC	200 W	$V_{in} - 0.9$ VDC	8 A

**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	<a href="http://www.tracopower.com/overview/tcl">www.tracopower.com/overview/tcl</a>

**Case Dimensions**

TCL 024 and TCL-REM240 models



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