

**General Specifications**

|                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|---------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reliability, calculated MTBF at +25°C acc. to IEC 61709 | – TSPC 080 2.4 Mio. h<br>– TSPC 120 2.5 Mio. h<br>– TSPC 240 1.7 Mio. h<br>– TSPC 480 1.4 Mio. h                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Isolation                                               | according to IEC/EN 60950-1, UL 60950-1, UL 508                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Safety standards                                        | – Information technology equipment IEC/EN 60950-1, UL 60950-1, CSA 22.2 No 60950-1-07<br>– Industrial control equipment UL 508, CSA-C22.2 No.107<br>– Electrical equipment for machines EN 60204-1<br>– Electronic equipment for power installation EN 50178<br>– Safety of transformers EN 61558-2-6, EN 61558-2-16<br>– Control equipment for hazardous location EN 60079-15 II3G EX nA IIC T4<br>– ATEX (for IP 54 enclosure) certificate no. EPS 10 ATEX 1 269 X<br>– UL hazloc (TSPC 050-124HL only) UL 121201 Class I; Div 2; Groups A,B,C & D; T4<br>– Certification documents <a href="http://www.tracopower.com/overview/tspc">www.tracopower.com/overview/tspc</a> |
| Class of protection                                     | safety class I (IEC 536)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Degree of protection                                    | IP 20 (IEC/EN 60529)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Electromagnetic compatibility (EMC), Emissions          | EN 61000-6-3, EN 61204-3<br>– Conducted RI suppression on input EN 55011 class B, EN 55022 class B,<br>– Radiated RI suppression EN 55011 class B, EN 55022 class B,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Electromagnetic compatibility (EMC), Immunity           | EN 61000-6-2, EN 61204-3<br>– Electrostatic discharge (ESD) IEC/EN 61000-4-2 4 kV / 8 kV criteria B<br>– Radiated RF field immunity IEC/EN 61000-4-3 10 V / m criteria A<br>– Electrical fast transient / burst immunity IEC/EN 61000-4-4 2 kV criteria B<br>– Surge immunity IEC/EN 61000-4-5 1 kV / 2 kV criteria B<br>– Immunity to conducted RF disturbances IEC/EN 61000-4-6 10 V criteria A<br>– Power frequency field immunity IEC/EN 61000-4-8 30 A / m criteria A<br>– Mains voltage dips and interruptions IEC/EN 61000-4-11 criteria B/C                                                                                                                          |
| Environment                                             | – Vibration acc. IEC 68-2-6; 3 axis, sine sweep, 10 – 55 Hz, 1 g, 1 oct/min<br>– Shock acc. IEC 60068-2-27 3 axis, 15 g half sine, 11 ms                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Enclosure material                                      | aluminium (chassis) / stainless steel (cover)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Mounting                                                | – DIN-rail mounting for DIN-rails as per EN 50022-35x15/7.5 (snap-on with self-locking spring)<br>– Wall mounting (option) with wall mounting bracket - see page 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Environmental compliance                                | – Reach <a href="http://www.tracopower.com/info/reach-declaration.pdf">www.tracopower.com/info/reach-declaration.pdf</a><br>– RoHS RoHS directive 2011/65/EU                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Connection                                              | – Input / Output screw terminals<br>– Power Good signal (mating connector) Phoenix contact MC 1,5/2-ST-3,5 (not included)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Installation instructions                               | <a href="http://www.tracopower.com/overview/tspc">www.tracopower.com/overview/tspc</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

**Accessories (optional)**



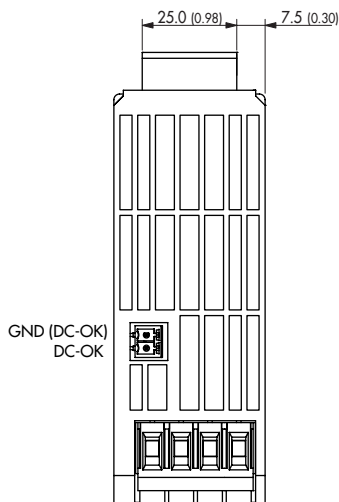
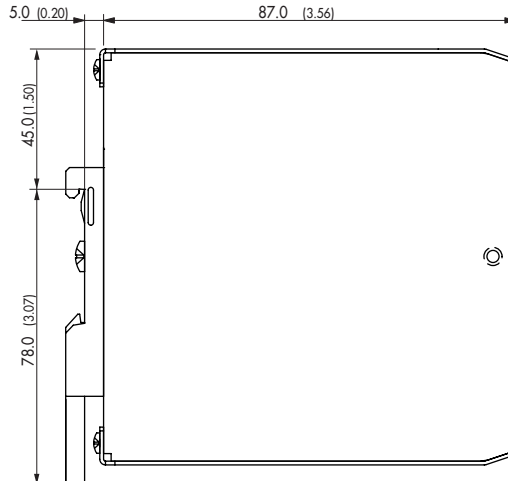
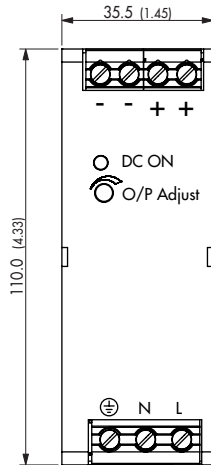
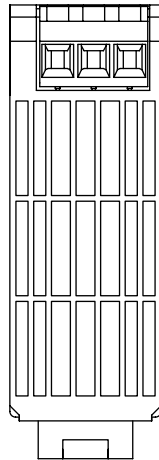
Decoupling module for redundant operation see: [www.tracopower.com/products/tspc-dcm.pdf](http://www.tracopower.com/products/tspc-dcm.pdf)



Wall mounting brackets: see last page

**Outline Dimensions**

TSPC 050-112  
TSPC 050-124(HL\*)



\*TSPC 050-124HL contains mating plug on DC-OK connector fitted with cable tie which enlarges height of product 9mm max.

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