General Specifications

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

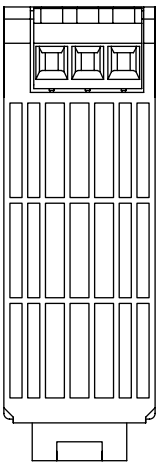
Accessories (optional)

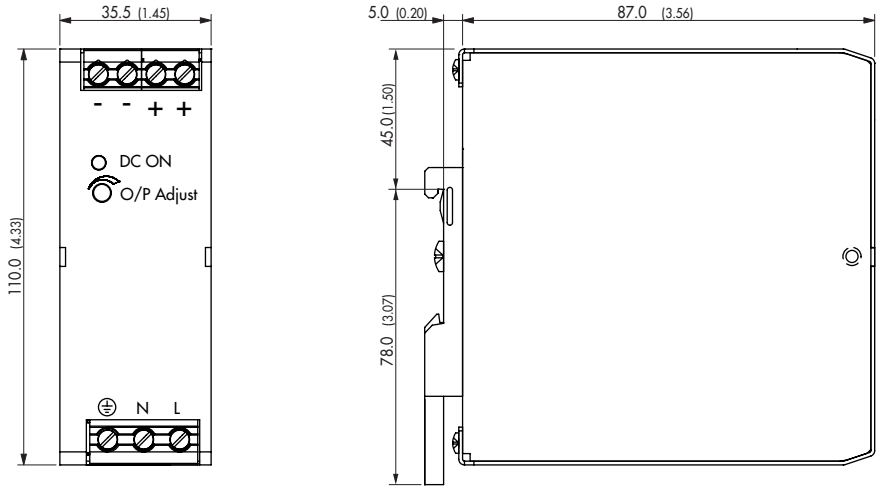
Decoupling module for redundant operation see:
www.tracopower.com/products/tspc-dcm.pdf

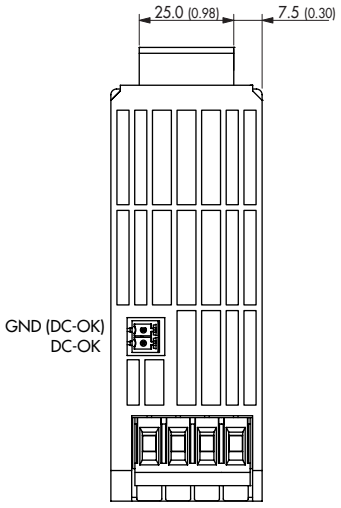
Wall mounting brackets: see last page

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.