

HSE01201

DIN Rail

Made in Germany

120 Watts Power Supply -20...+70°C
115/230Vac Input Voltage

Short Specification:

- Metal housing
- Up to 91% efficiency
- -20°C...+60°C full output power
- Free air convection
- Galvanic insulated
- Continuous short circuit protected
- Overload & low voltage protected
- Soft start & auto-recovery
- Hold up time >30ms
- Minimum load = 0A
- Switching frequency typ. 100KHz
- EMI/EMS EN61000-6-2,3, EN55022 class B
- PFC: EN61000-3-2 class A
- cUL60950/16950 IEC(EN)60950-1
- Series & parallel operation
- DIN Rail 35mm
- Screw terminals AWG26...AWG12
- 24 hours burn in test
- High reliability, shock & vibration resistant

Smart start-up with critical loads:

- motor drives
- capacitive loads
- DC-DC-converters



Single-Output: 12,15,24,36,48,60V,72V,110V

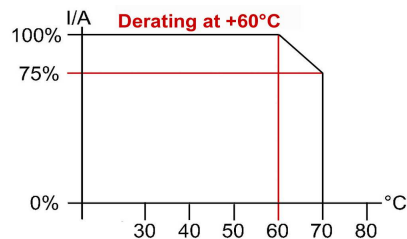


In accordance with IEC60950-1

AC Input	85..132Vac / 184..265Vac , 47...63Hz , 110...375Vdc							
AC Input Rating	115Vac <2.2A 230Vac <1.1A							
Rated DC Voltage	12V	15V	24V	36V	48V	60V	72V	110V
Rated DC Current	10.0A	8.0A	5.0A	3.3A	2.5A	2.0A	1,7A	1,1A
DC Range (adj.)	11,4..13,2V	14,2..16,5V	22,5..28,5V	34,2..39,6V	45,6..52,8V	57..66V	68..86V	100..120V
Ripple 230Vac 20MHz	50mVpp	50mVpp	65mVpp	65mVpp	100mVpp	120mVpp	120mVpp	380mVpp
Order code: HSE01201.Vout+(T= DIN Rail ; W= wall mount) Example: 24V for DIN-Rail = HSE01201.24T								

Tolerance	± 1%
Load regulation	< ± 0.5% 10-100%, 100-10%
Switching Frequency	100KHz typical
Minimum Load	0 A
Efficiency	91% typ.
Load Protection	1,2x I _{rated} ,auto recovery
Voltage Protection	145% of U _{out} , auto recovery
Short Circuit Protection	Continuous
Temperature Control	Upon request
Hold Up Time	> 30ms 230Vac
Inrush Current	< 16A (230Vac)
Softstart	50ms typical
Convection	Free air
Ambient Temperature	- 20°C ...+70°C
Storage Temperature	- 40°C ...+85°C
EMI	EN55022 class B / EN61000-3-2
EMS	EN61000-6-2,3
Safety	cUL60950/1950 , EN60950-1
Safety class 1(A)	VDE0805, VDE0100
Air & Surface Leakage Paths	> 8mm
Input/Output	Galvanic insulated
DC Fail Relay (galv. Insulated)	<48Vdc/500mA (not 72V, 110V)
MTBF rated	400000h
Dimensions (HxWxD)	124x50x96mm
Weight	510g
Connectors (AC & DC)	Terminal plug AWG26...AWG12
Options for military use available upon request	

*normally closed contact



Terminal Connects:

1 = L
SK1 2 = N
3 = GND

1 = DC +
2 = DC +
SK2 3 = DC -
4 = DC -
5 = relay (not 72V &
6 = relay 110V)

Screw terminal order codes: Art.No.: 3520038 (3 pins)
(each package = 10 pcs) Art.No.: 3520037 (2 pins)
for SK1 1pc (3520038)
SK2 2-3pcs (3520037)

Conception:

The HSE power supply series realizes very high power efficiency in a space-saving housing. This design enables Green Power applications and allows free air convection. Latest generation electrical devices relate to the high reliability of all Camtec products. The Camtec philosophy is, to employ 125°C low ESR ultra long life capacitors where expedient to achieve a superior lifetime of our products. The used screw terminal plugs allow easy to wire, smooth service and protect you from mix-up the input with the output signals.

Parallel Operation Mode:

Parallel operation of equal HSE-Power-Supplies provides you a higher output power. Make sure that the DC voltages differ at only ±1% and that DC cables are of equal length.

Series Operation Mode:

To raise the output voltage you can drive equal HSE power supplies in series, too.

