HSE03201LIRC

DIN Rail

Made in Germany

320 Watts Power Supply -20...+70℃
115/230Vac Input Voltage, Low Inrush

Short Specification:

- Metal housing
- 91% efficiency typ.
- -20℃...+60℃ 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
- EMI/EMS EN61000-6-2,3, EN55022 class B
- cUL60950/16950 IEC(EN)60950-1
- Series & parallel operation
- DIN Rail 35mm
- Screw terminals AWG20...AWG9
- 24 hours burn in test
- High reliability, shock & vibration resistant
- Active Low Inrush Current Limter

Smart start-up with critical loads:

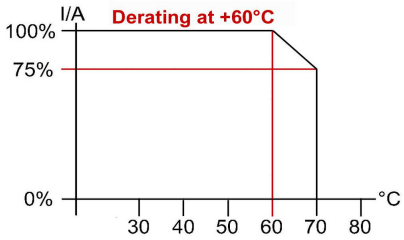
- **motor drives**
- **capacitive loads**
- **DC-DC-converters**

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

In accordance with IEC60950-1

AC Input	**85...132Vac / 184..264Vac 47...63Hz , 250…375Vdc**					
Input Rating	**115Vac <6.2A 230Vac <2.9A**					
Rated DC Voltage	**12V**	**15V**	**24V**	**36V**	**48V**	**60V**
Rated DC Current	**18.0A**	**17.0A**	**13.5A**	**8.9A**	**6.7A**	**5.4A**
Power Boost ≤60 Seconds	**21.6A**	**20.4A**	**16.2A**	**10.7A**	**8.0A**	**6.5A**
Ripple [mVpp] (230Vac/20MHz)	**30**	**30**	**20**	**30**	**50**	**50**
Output adj. Range [V]	**11,4..14,4V**	**14,2..18.0V**	**22,5..28,8V**	**34,2..43,2V**	**45.6..57,6V**	**57,0..72,0V**
Stability Load switch 0-100%	**± 0,3%**	**± 0,3%**	**± 0,3%**	**± 0,5%**	**± 0,5%**	**± 0,5%**
Order code: HSE03201.Uout+TLIRC Example: HSE03201.24TLIRC						

Tolerance	**± 1%**
Load regulation	**< ± 0.5% 10-100%, 100-10%**
Minimum Load	**0 A**
Efficiency	**91% typical**
Load Protection	**1,2x I_{rated} ,auto recovery**
Voltage Protection	**140% of U_{out} , auto recovery**
Short Circuit Protection	**Continuous**
Temperature Control	**Yes**
Hold Up Time	**> 30ms 230Vac**
Inrush Current (Active Limiter)	**< 15A_{peak} (230Vac)**
Softstart	**20ms typical**
Convection	**Natural convection**
Ambient Temperature	**- 20℃ …+70℃**
Storage Temperature	**- 40℃ …+85℃**
EMI	**EN55022 class B**
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 3000Vac**
Power Good Relay (opener)	**<48Vdc/500mA (galv. insulated)**
MTBF IEC61709	**500000h**
Dimensions (HxWxD)	**124x120x99,5mm**
Weight	**1200g**
Screw Connectors (AC & DC)	**AWG20...AWG9**



Terminal Connects:

	1 = N
AC	**2 = L**
	3 = GND
	1 = DC +
	2 = DC +
DC	**3 = DC -**
	4 = DC -
A	**Power Good Relay**

Screw terminal order codes for SK1 & SK2: (each package = 10 pcs)
Art.No.: 3520037
(2 pins for relay)

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℃ low ESR ultra long l ife capacitors where expedient to achieve a superior lifetime of our products. The used screw terminals allow easy to wire and smooth service.

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 equal of equal length.
Series Operation Mode:
To raise the output voltage you can drive equal HSE power supplies in series, too.