

HSE02401B

DIN Rail

Made in Germany

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

Short Specification:

- Metal housing
- 91% efficiency typ.
- -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
- 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

Smart start-up with critical loads:

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



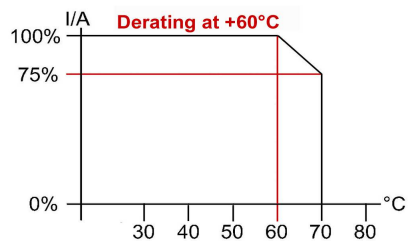
Single-Output: 24V, 48V



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	24V	48V
Rated DC Current	10.0A	5.0A
Power Boost ≤60 Seconds	12.0A	6.0A
Ripple [mVpp] (230Vac/20MHz)	30	50
Output adj. Range [V]	22,5..28,8	45,6..52,8
Stability Load switch 0-100%	± 0,3%	± 0,1%
Order code: HSE02401BVout Example: 24V for DIN-Rail = HSE02401B24T		

Tolerance	± 1%
Load regulation	< ± 0.5% 10-100%, 100-10%
Minimum Load	0 A
Efficiency	91% typical
Load Protection	1,1x 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	< 32A (230Vac)
Softstart	20ms typical
Convection	Natural convection
Ambient Temperature	- 20°C ...+70°C
Storage Temperature	- 40°C ...+85°C
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
 - 2 = L
 - 3 = GND
- DC**
- 1 = DC +
 - 2 = 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°C low ESR ultra long life 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.

