

HSE07201

DIN Rail

Made in Germany

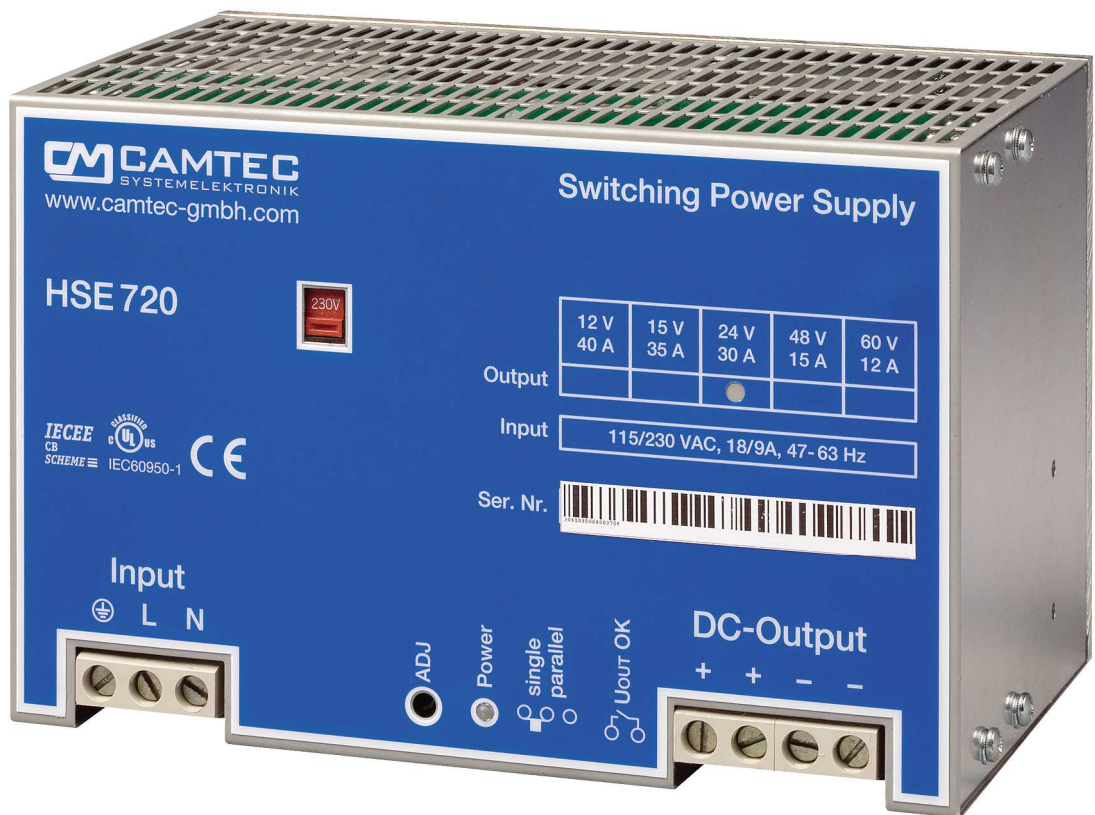
720 Watts Power Supply -20...+70°C
115/230Vac Input Voltage

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
- AC-Input 115/230Vac
- EMI/EMS EN61000-6-2/3, EN55022 class B
- IEC(EN)60950-1
- Series & parallel operation
- DIN Rail 35mm
- Screw terminals AWG20...AWG6
- 24 hours burn in test
- High reliability, shock & vibration resistant

Smart start-up with critical loads:

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



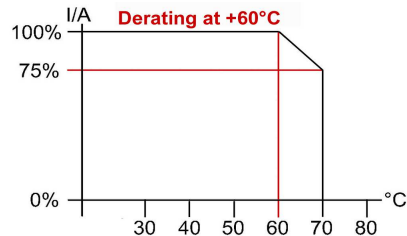
Single-Output: 12V, 24V, 36V, 48V, 60V



In accordance with IEC60950-1

AC Input	90..132Vac / 184..265Vac , 47...63Hz , 250...375Vdc				
AC Input Rating	115Vac <11.0A 230Vac <5.4A				
Rated DC Voltage	12V	24V	36V	48V	60V
Rated DC Current	40.0A	30.0A	20.0A	15.0A	12.0A
Ripple [mVpp] _{230Vac}	50 (20MHz)	50 (20MHz)	100 (20MHz)	100 (20MHz)	120 (20MHz)
Output adj. range	11,4...13,2V	22,5...28,5V	34,2...39,6V	45,6...52,8V	57,0...66,0V
Order code: HSE07201.Vout+T Example: 24V for DIN-Rail = HSE07201.24T					

Tolerance	± 1%
Load regulation	< ± 0.5% 10-100%, 100-10%
Switching Frequency	100KHz typical
Minimum Load	0 A
Efficiency	Up to 91%
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	< 162A (230Vac)
Softstart	100ms typical
Cooling	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)	130x200x118mm
Weight	3000g
Screw Connectors (AC & DC)	AWG20...AWG6
Options: wallmount or coating options upon request	



Terminal Connects:

SK1
1 = GND / PE
2 = L
3 = N

SK2
1 = DC +
2 = DC +
3 = DC -
4 = DC -
B = power good
B = power good

A
Select operation mode
between single/series-
mode and parallel-mode.

Screw terminal order codes: Art.No.: 3520037 (2 pins)
(each package = 10 pcs)
for power good 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.

