

HSW00751

DIN Rail

Made in Germany

75 Watts Power Supply -20...+70°C
85..265Vac Input Voltage

Short Specification:

- Metal housing
- > 90% efficiency typical
- -20°C...+60°C full output power
- Natural convection
- Galvanic insulated
- Continuous short circuit protected
- Overload & low voltage protected
- Soft start & auto-recovery
- Hold up time >40ms
- Minimum load = 0A
- 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
- Screwing 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



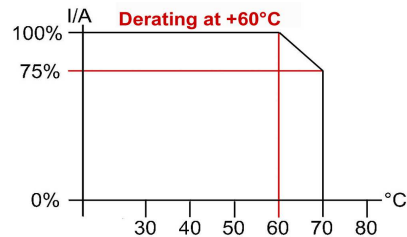
Single-Output: 5V, 9V, 12V, 15V, 24V, 36V, 48V, 60V



In accordance with IEC60950-1

AC Input	85...265Vac , 47...63Hz , 110...375Vdc							
AC Input Rating	100...240Vac , 115Vac <1.6A 230Vac <0.8A							
Rated DC Voltage	5V	9V	12V	15V	24V	36V	48V	60V
Rated DC Current	7.5A	7.6A	6.0A	5.0A	3.2A	2.1A	1.6A	1.25A
Power Boost ≤60 sec.	9.0A	9.12A	7.2A	6.0A	3.84A	2.52A	1.92A	1.50A
Ripple [mVpp] (230Vac/20MHz)	15	15	20	20	50	60	60	100
Output adj. Range [V]	4,9..5,5	8,6..9,9	11,4..13,2	14,3..16,5	22,5..28,5	34,2..39,6	45,6..52,8	57,0..66,0
Sense Compensation	200mV	No	No	No	No	No	No	No
Stability Load switch	± 0,1%	± 0,5%	± 0,3%	± 0,2%	± 0,1%	± 0,1%	± 0,1%	± 0,1%
Options: coating finish on electronic circuits (Option C)								
Order code: HSW00751.Vout+T+options Example: 24V for DIN-Rail with coating = HSW00751.24TC								

Tolerance	± 1%
Load regulation	< ± 0.5% 10-100%, 100-10%
Minimum Load	0 A
Efficiency	Up to 90%
Load Protection	1,2x I _{rated} ,auto recovery
Voltage Protection	140% of U _{out} , auto recovery
Short Circuit Protection	Continuous
Hold Up Time	> 40ms 230Vac
Inrush Current	< 32A (230Vac)
Softstart	50ms typical
Cooling	Natural convection
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 3000Vac
Power Good Relay (opener)	<48Vdc/500mA (galv. insulated)
MTBF IEC61709	600000h
Dimensions (HxWxD)	102x50x96mm
Weight	300g
Connectors (AC & DC)	Terminal plug AWG26...AWG12



Terminal Connects:

SK1
1 = L
2 = N
3 = GND

SK2
1 = sense +
2 = sense -
3 = DC +
4 = DC -
5 = power good relay
6 = power good relay

Screw terminal order

codes for SK1 & SK2:
(each package = 10 pcs)
Art.No.: 3520038
(3 pins for AC-input)
Art.No.: 3520037
(2 pins for DCout/relay)

Conception:

The HSW power supply series realizes very high power efficiency in a small housing. 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 who re expedient to achieve a superior lifetime. The used screwing terminals allow easy to wire, smooth service and protection from mixing-up the input with the output connections.

Parallel Operation Mode:

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

Series Operation Mode:

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

Sensing:

Only for 5V-version available. Compensation: 200mV

