



mdexHutschienennetzteil

Technische Eigenschaften

Output

DC VOLTAGE	12 V
RATED CURRENT	1.25 A
CURRENT RANGE	0 ~ 1.25 A
RATED POWER	15 W
RIPPLE & NOISE (max.) ²⁾	120 mVp-p
VOLTAGE ADJ. RANGE	10.8 ~ 13.2 V
VOLTAGE TOLERANCE ³⁾	±1.0%
LINE REGULATION	±1.0%
LOAD REGULATION	±1.0%
SETUP, RISE TIME	1000 ms, 50 ms / 230 VAC
HOLD UP TIME (Typ.)	70ms / 230 VAC

Input

VOLTAGE RANGE	85 ~ 264 VAC
FREQUENCY RANGE	47 ~ 63 Hz
EFFICIENCY (Typ.)	84%
AC CURRENT (Typ.)	0.48 A / 230 VAC
INRUSH CURRENT (Typ.)	65 A / 230 VAC cold start

Protection

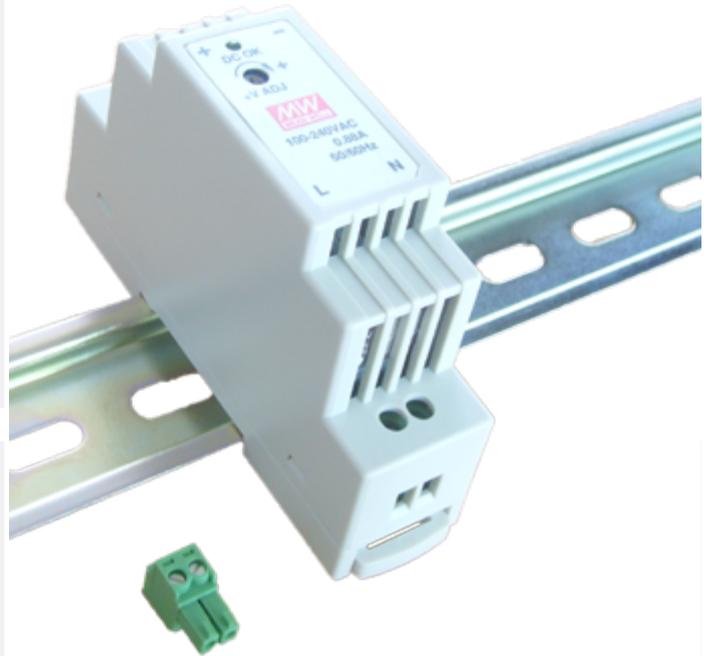
OVERLOAD⁵⁾
105 ~ 160 % rated output power
Protection type: Constant current limiting, recovers automatically after fault condition is removed

OVER VOLTAGE
13.8 ~ 16.2 V
Protection type: Shut off o/p voltage, clamping by zener diode

SAFETY & EMC⁴⁾

SAFETY STANDARDS	UL60950-1, TÜV EN60950-1 approved, design refer to EN50178
WITHSTAND VOLTAGE ISOLATION RESISTANCE	I/P-O/P: 3 KVAC I/P-O/P: 100M Ohms / 500VDC / 25°C / 70% RH
EMC EMISSION	Compliance to EN55011, EN55022 (CISPR22), EN61204-3 Class B, EN61000-3-2,-3
EMC IMMUNITY	Compliance to EN61000-4-2, 3, 4, 5, 6, 8, 11, EN55024, EN61000-6-2, EN61204-3, heavy industry level, criteria A

Stand: 8.12.2015 - Technische Änderungen vorbehalten.



Environment

WORKING TEMP.	-20°C ~ +60°C
WORKING HUMIDITY	20 ~ 90 % RH, non-condensing
STORAGE TEMP., HUMIDITY	-40°C ~ +85°C 10 ~ 95 % RH
TEMP. COEFFICIENT	±0.03%/°C (0 ~ 50°C)
VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes;
Mounting:	Compliance to IEC60068-2-6

OTHERS

MTBF	1172.3K hrs min. MIL-HDBK-217F (25°C)
DIMENSION WEIGHT	25*93*56mm (W*H*D) 0.1 kg

NOTE

1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.
3. Tolerance: includes set up tolerance, line regulation and load regulation.
4. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.
5. Constant current operation region is within 60% ~100% rated output voltage. Protection type for short circuit is hiccup mode and will recover automatically after fault condition is removed.