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Datenblatt / Data Sheet

Netzteil 24V DC

Power supply 24V DC

Technische Daten / technical data

Bezeichnung / Description			Eigenschaften / Characteristics
Artikelnummer / Item no.			**NT65024150**
DC Voltage in Volt (V):		Ausgang (Output)	24 V
CONSTANT CURRENT REGION	**Note.4**		18 ~ 24V
Rated Current (A):			6.3A
Rated Power in Watt (W):			151.2W
Ripple & Noise (max.):	Note.2		150mVp-p
Voltage ADJ. Range (V)	Note.6		22 ~ 27V
CURRENT ADJ. RANGE			3.15~6.3A Can be adjusted by internal potential meter or through output cable
Voltage Tolerance (%)	Note.3		± 1.0 %
Line Regulation (%)			± 0.5 %
Load Regulation (%)			± 0.5 %
Setup Time:			3000ms, 80ms at full load 230VAC / 115VAC
Hold up Time			50ms / 230VAC 16ms / 115VAC at full load
Voltage Range	Note.5	Eingang (Input)	90 ~ 295VAC 127 ~ 417VDC
Frequency Rang (Hz)			47 ~ 63 Hz
Power Factor (Typ.)			PF≥ 0.95/230VAC PF≥ 0.98/115VAC at full load and rated output voltage PF≥ 0.9 at 75 ~ 100% load
Typ.Efficiency (%)			90%
AC Current			2A/115VAC 1A/230VAC
Inrush Current (max.)			Cold start 65A/230VAC
Leakage Current			<1mA / 240VAC
Over Current (Typ.)	Note.4	Schutz (Protection)	95~108% Protection type : Constant current limiting, recovers automatically after fault condition is removed
Short Circuit	Note.8		Hiccup mode, recovers automatically after fault condition is removed.
Over Voltage in Volt (V)			28 ~ 34V Protection type : Shut down and latch off o/p voltage, re-power on to recover
Over Temperature (°C)			100°C ±10°C (RTH2) Protection type : Shut down o/p voltage, re-power on to recover
Working Temp.	Note.7	Umfeld (Environment)	-30 ~ +50°C *Refer to output load derating curve*
Working Humidity			*-30* ~ +55°C full load ; +70°C@60% load
Storage Temp., Humidity:			*20* ~ 95 % RH non condensing
Temp.Coefficient:			± 0.03 % / °C (0 ~50°C)
Vibration:			10 ~ 500 Hz, 5G 12min. 1cycle, period for 72min. each along X, Y, Z axes

Technische Änderungen und Irrtümer vorbehalten. Subject to technical changes and errors.
Vorläufig / preliminarily

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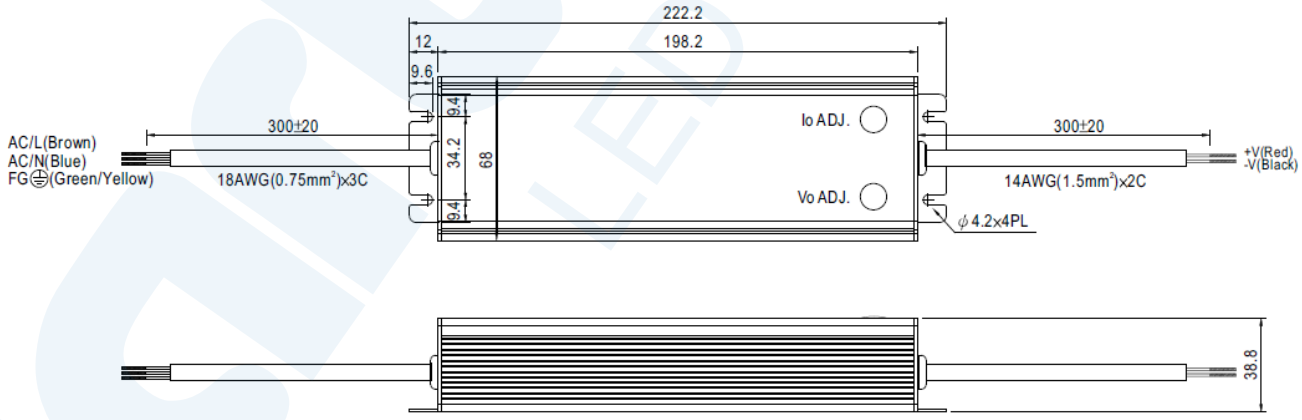
Bezeichnung / Description		Eigenschaft / Characteristic
Artikelnummer / Item no.		**NT65024150**
Safty Standarts Note.7	Schutz & EMV (Safety & EMC)	UL1012; EN61347-1,EN61347-2-13 independent(except for CLG-150 C type) UL60950-1, TUV EN60950-1 (TBD)
Withstand Voltage:		I/P-O/P:3.75KVAC I/P-FG:1.88KVAC O/P-FG:0.5KVAC
Isolation Resistance:		I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH
EMI Conduction & Radiation:		Compliance to EN55015, EN55022 (CISPR22) Class B
Harmonic Current:		Compliance to EN61000-3-2 Class C (≥75% load) ; EN61000-3-3
EMS Immunity:		Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, EN61547, EN55024, light industry level (surge 4KV), criteria A
MTBF:	Andere (Others)	303.7Khrs min. MIL-HDBK-217F (25°C)
Dimension in mm (L*W*H):		222.2x68x38.8 mm

Note:

1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25℃ 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.
Direct connecting to LEDs is not suggested for models with .RIPPLE & NOISE. > 10% and using additional drivers is highly recommended.
3. Tolerance : includes set up tolerance, line regulation and load regulation.
4. Constant current operation region is within 75% ~100% rated output voltage. This is the suitable operation region for LED related applications, but please reconfirm special electrical requirements for some specific system design.
5. Derating may be needed under low input voltage. Please check the derating curve for more details.
6. Type A and type C only.
7. Please refer to derating curve.
8. Please refer to OLP characteristics.
9. Safety and EMC design refer to EN60598-1, subject 8750(UL), CNS15233, GB7000.1, FCC part18.
10. The power supply is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete installation, the final equipment manufacturers must re-qualify EMC Directive on the complete installation again.

Abmaße / Dimensions



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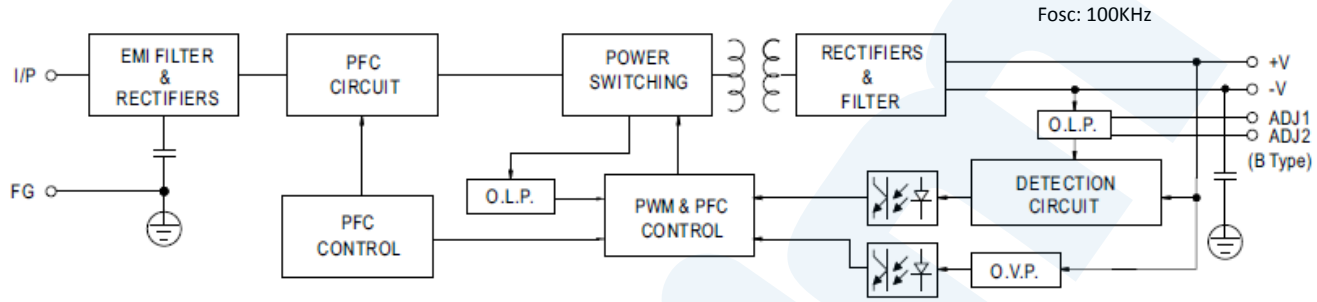
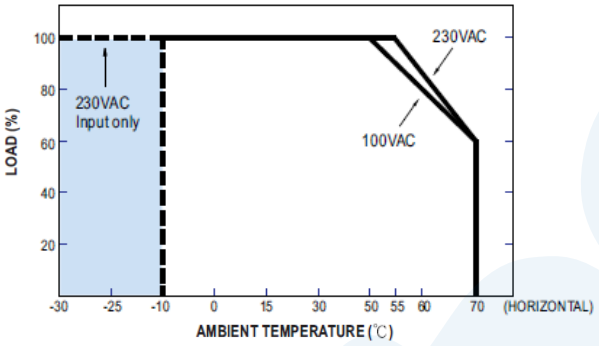
Blockschaldbild / block diagram



Derating-Kurve / derating curve



Statische Eigenschaften / static Characteristics