



- ◀ DIN-rail mounting
- ◀ Wide operating temperature range -50...+70°C
- ◀ High Efficiency up to 88%
- ◀ Wide voltage adg. range (-15...+10%)
- ◀ Output current up to 4,2 A
- ◀ Convective cooling
- ◀ Low level of EMI noise EN55022 (CISPR22), Class B

APPLICATIONS

- ◀ Industrial electronics and automation
- ◀ Oil-and-gas industry
- ◀ Nuclear power
- ◀ Security systems

MODEL RANGE

MODEL	OUTPUT VOLTAGE	RATED CURRENT (A)	EFFICIENCY % (TYP)
KAN-D50 C 12	12 VDC	4,2 A	86%
KAN-D50 C 24	24 VDC	2,1 A	87%
KAN-D50 C 48	48 VDC	1,05 A	88%

ORDERING INFORMATION

KAN — D 50 C 24 N
 ① ② ③ ④ ⑤ ⑥

- ① - AC/DC Power Supplies
- ② - Form factor for DIN-rail mounting
- ③ - Rated output power, W
- ④ - Index of nominal input voltage
C — 220 VAC (80...264 VAC)
- ⑤ - Nominal output voltage, VDC
- ⑥ - Index of operating temperature range
N — from -40 to +70°C
P — from -50 to +70°C

SPECIFICATIONS*

Input specifications

Input Voltage range	C	80...264 VAC 112...372 VDC
Input Frequency		47–440 Hz

Output specifications

Output voltage adjustment		–15...+10% Uout. nom.
Output voltage setpoint accuracy		max 2%
Max load capacity		6000 µF
Ripple and noise (p-p)		<2% Uout. nom.

Protection

Short Circuit Protection**		auto repair
Overload Protection**		Pmax...1,2 Pmax
Overvoltage Protection**		<125% Uout.nom.
Overheating protection		trigger point at temperature >85 °C

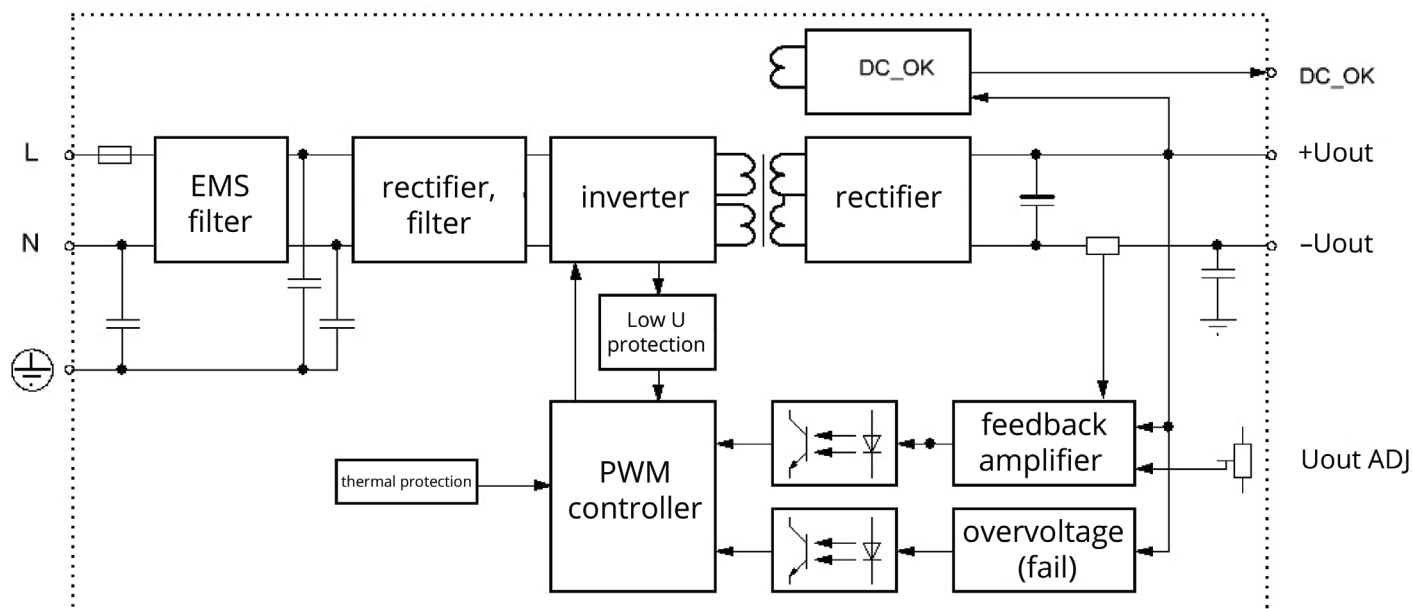
General specifications

Connection Type		pluggable screw connection
Power derating		–2% / °C after +60°C
Degree of protection		IP20
Ambient temperature range	operating "N" operating "P"	–40...+70°C –50...+70°C
Humidity		98% on t° +40°C
Insulation voltage	in./case in./out. out./case isolation resistance @ 500 VDC	1500 VAC 1500 VAC 500 VAC 20 MΩhm min
MTBF		2000 kHrs (+25°C)
Cooling		convective
Housing		metal
Weight		max 500 g

* All specifications are valid for normal climatic conditions (ambient temp. +15...+35°C; relative humidity 45...80%; air pressure 8,6*10⁴...10,6*10⁴ Pa), Uin.nom., Iout.nom., unless otherwise stated.

** Parameters are stated for the information only and are not valid for continuous operation exceeding maximum output current and operation temperature range.

BLOCK DIAGRAM



POWER DERATING

