



KPW-2012-D-E



DIN-Rail AC-DC 12V/20W Power Supply

DIN-Rail Mounting



Panel Mounting Bracket
PMB-0540



Accessories



Key Features:

- Universal AC input/Full range
- Dual types of input interfaces:
 - Typical IEC320 AC socket for commercial installation
 - Industrial Terminal block connector for industrial installations
- Dual types of DC output interfaces:
 - 2 pairs of industrial Terminal block connectors for industrial installations
 - Typical DC plug support for commercial installation
- No load power consumption < 0.75W
- Protections: Short circuit/Overload/Over voltage
- UL60601-1/IEC60601-1/EN60601-1 safety approved internal Power Module
- IEC60950-1 safety approved for Power Supply

Specifications:

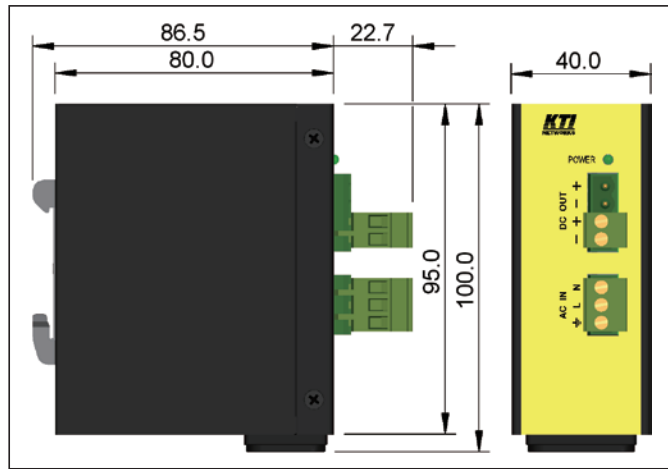
AC Input voltage	100 ~ 240VAC Power Load: 100%@115~240VAC, 90%@100~115VAC
DC Output voltage	+12V (+/-1%), 1.8A max.
Output Rated Power	21.6W
Efficiency	81% (Typ.)
Input connectors	IEC320 C14 socket Terminal block 3P: L/N/PE
Output connectors	Terminal block 4P (2 pairs): Vout+/Vout-/Vout+/Vout- DC plug cable for Device's DC jack interface
LEDs	Power status
Mounting Support	DIN-Rail, Wall, Panel, Desktop
Protection	Short circuit, Overload, Over voltage
Environment	Operating Temperature: -20°C ~ 60°C Power Load: 100%@-20°C ~ 50°C, 50%@60°C Storage Temperature: -30°C ~ 85°C Relative Humidity: 10% ~ 90% non-condensing
Dimensions	40 x 80 x 95 mm (WxDxH)
Internal Power Module	UL60601-1, IEC60601-1, TUV EN60601-1 Certified
MTBF	400K Hours
Approval	FCC Class A, CE mark Class A, LVD, IEC60950-1 safety, IEC 60068-2-64 Vibration, IEC 60068-2-27 Shock 50G test NEMA TS2 environment

EMI EMS Safety Environmental Tests:

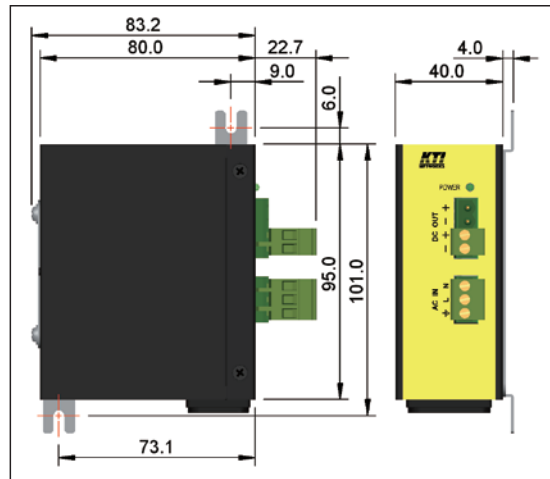
Test	Standard	Specifications
FCC/EMI	FCC Rule Part 15	Class A
CE/EMC/EMI	EN55022, CISPR 22	Class A
CE/EMC/Harmonic	EN 61000-3-2	< 75 W
CE/EMC/VFF	EN 61000-3-3	Clause 5
CE/EMC/EMS	EN 55024	
ESD Test	IEC 61000-4-2	Contact: +/-8kV Air: +/-16kV
RS Test	IEC 61000-4-3	Strength: 10V/m
EFT/BURST	IEC 61000-4-4	Line-Line: 2kV Line-Ground: 4kV
Surge Immunity	IEC 61000-4-5	Line-Line: 2kV Line-Ground: 4kV
CS Test	IEC 61000-4-6	Level 3
Magnetic Field Imm.	IEC 61000-4-8	50Hz 100A/m
Voltage Dips Imm.	IEC 61000-4-11	Interrupt 95%: C Dips 95%: B
Safety	EN 60950, IEC 60950	
Dielectric Voltage	IEEE 802.3	TP, 1500VAC/60sec.
Insulation Resistance	IEEE 802.3	TP, 500VDC/10Mohm
Cold Test	IEC 60068-2-1 Ad	-20°C, 96hrs
Dry Heat Test	IEC 60068-2-2 Bd	+60°C, 42%RH, 96hrs
Damp Heat Test	IEC 60068-2-3 Ca	+60°C, 90%RH, 96hrs
Storage Test	IEC 60068-2-48	-20°C, 96hrs +90°C, 95%RH, 96hrs
Vibration Test	IEC 60068-2-64 Fh	10-200Hz, 0.1g ² /Hz 200-500Hz, 0.03g ² /Hz
Shock test	IEC 60068-2-27 Ea	50G
NEMA TS2	NEMA TS2-2003	5-30Hz, 0.5g
Vibration test	Proc. 2.2.8	xyZ, 1hr/axis

Optional Accessories:

PMB-0540 Panel mounting kit for KFS-0540, KFS-0840, KPW-2012-D-E



DIN-Rail Dimension



Panel Dimension



AC power cord + Power supply + DC plug cable + KGS-810F



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