

Application Note
DIN-Rail AC-DC 12V Power Supply
 KPW-2012-D-E

2011/03/01



Specifications

Input: AC 100~240V, 50/60Hz
 Output: DC 12V, 1.8A max.

Extended Operating Temperatures

-20°C ~ +50°C@100% Load, 60 °C@50% Load

Certificates

Internal Power Module: UL60601-1, IEC60601-1, TUV EN60601-1
 Product Approval: LVD, IEC60950-1, FCC Class A, CE Class A

Compatible KTI Industrial-rated Products

Model	Description	Units @60°C
KGD-802	Industrial 8-Port Gigabit Ethernet Switches with 2 SFP Slots	1 Unit
KSD-541	Industrial 5-Port Fast Ethernet Switches with SFP Slot	3 Units
KGD-600	Industrial Managed 5-Port Gigabit Ethernet Switch with 1 mini-GBIC Port	2 Units
KSD-800M	Industrial Managed 8-port Fast Ethernet Switches with Fiber Connectivity	1 Unit
KSD-800	Industrial 8-Port Fast Ethernet Switches with Fiber Connectivity	1 Unit
KFS-0540	Industrial 5-Port Fast Ethernet Switch	4 Units
KFS-0840	Industrial 8-Port Fast Ethernet Switch	4 Units
KSD-103-A	Industrial 3-Port Fast Ethernet Media Converter Switches (2 x Copper, 1 x Fiber)	4 Units
KSD-103-B	Industrial 3-Port Fast Ethernet Media Converter Switches (1 x Copper, 2 x Fiber)	3 Units
KCD-303P-A	Industrial 3-Port Fast Ethernet POF Media Converter Switch (2 x Copper, 1 x POF)	5 Units
KCD-303P-B	Industrial 3-Port Fast Ethernet POF Media Converter Switch (1 x Copper, 2 x POF)	5 Units
KCD-400	Industrial 1000Base-T to 1000Base-X Gigabit Media Converters	4 Units
KCD-302	Industrial Tri-segment Media Converter	3 Units
KCD-300	Industrial 10/100Base-TX to 100Base-FX Media Converters	3 Units
KSC-240	Industrial Optically Isolated RS-232 to RS-485/422 Converter	16 Units
KSC-200	Industrial Optically Isolated Serial RS-232 to Fiber Converter	4 Units

Note:

1. The “Units” column lists the number of units that can be powered by single KPW-2012-D-E at the same time @60°C ambient.
2. Most of the listed KTI products have higher operating temperature rating than KPW-2012-D-E. Do not apply to an environment with ambient higher than 60°C when working with KPW-2012-D-E.