Switch Mode Power Supply Din-rail Type HDK

Range Presentation

Switch mode power supply HDK-NS is a fully new series with narrow surface design. It is specified in din-rail installation requirement.

Application

Our product can be widely used in the following fields:

- Industrial control system
- Industrial automation machinery
- Mechanical and electrical equipment
- Electronic instruments
- Household appliances

In those fields, our product is used as the power supply for LED screen, electronic testing equipment, control equipment, radio and television, computer network, medical apparatus and instruments, intelligent monitoring and many more.

Features

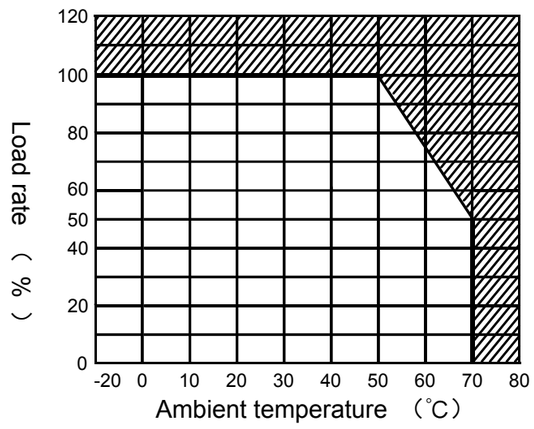
The useful features of our product are:

- Din-rail type for installation;
- Narrow surface metal enclosure design;
- Excellent capacity of heat dissipation;
- Full range of AC input voltage (90~264VAC); high efficiency and small output ripple;
- Low power loss design
- Completed protection functions: overvoltage protection, overload protection, over-temperature protection, short circuit protection, etc.

Selection Code

Model	Type	Rated Power	Output Voltage
HDK	**NS**	**75**	**12**
Product series name	**Narrow surface type**	**75:** 75W **120:** 120W **240:** 240W **480:** 480W	**12:** 12V **24:** 24V **36:** 36V **48:** 48V (for 240W and 480W, only 24V and 48V are available)

Derating Curve



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Technical Parameters	
AC Input Voltage	100-240VAC
Voltage Accuracy	±1%
Ripple and Noise	1%(mVp-p) of rated output voltage
Regulation range of Output Voltage	±10%
Voltage Tolerance	±1%
Overload Protection	110%-150%
Load Regulation Rate	±1%
Leakage Current	＜ 2mA240VAC
Efficiency	88%
Standard	EN61558-1

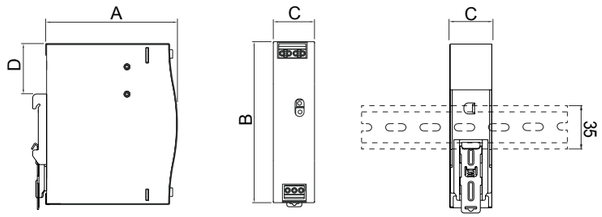
Order Information

Type	Power	Input	DC Output Current				Functions
	W	Note 1	12V	24V	36V	48V	Note 2 (bak2)
HDK-NS75	75W	F	6.2A	3.1A	2.1A	1.6A	ABK
HDK-NS120	120W	F	10A	5A	3.3A	2.5A	ABK
HDK-NS240	240W	F	-	10A	-	5A	ABCK
HDK-NS480	480W	F	-	20A	-	10A	ABCK

Note 1: 85-132/170-264VAC selection methods: F is full range; S is switch selection.

Note 2: Functions: A: overload (overcurrent) short circuit protection; B: output overvoltage protection; C: over-temperature protection; D: automatic switch control of cooling fan (extend service time); K: LED display for output.

Model and Overall Dimensions



Model	A	B	C	D
HDK-NS75	102	125.2	32	35
HDK-NS120	113.5	125.2	40	35
HDK-NS240	113.5	125.2	63	35
HDK-NS480	128.5	125.2	85.5	35