

15W Ultra Slim Step Shape DIN Rail

HDR-15-**

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Description:

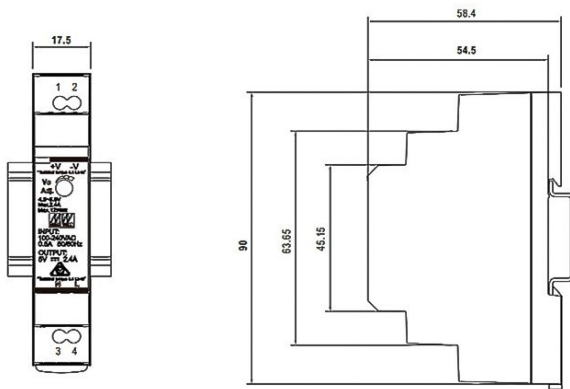
HDR-15 is one economical ultra slim 15W DIN rail power supply series, adapt to be installed on TS-35/7.5 or TS-35/15 mounting rails. The body is designed 17.5mm (1SU) in width, which allows space saving inside the cabinets. The entire series adopts the full range AC input from 85VAC to 264VAC (277VAC operational) and conforms to EN61000-3-2, the norm the European Union regulates for harmonic current.

HDR-15 is designed with plastic housing that can effectively prevent user from electric hazards. With working efficiency up to 87%. The entire series can operate at the ambient temperature between -30°C and 70°C under air convection. It is equipped with constant current mode for overload protection, fitting various inductive or capacitive applications. The complete protection functions and relevant certificates for home automations and industrial control apparatus (IEC60950-1, UL508, UL60950-1, EN61558-2-16) make HDR-15 a very competitive power supply solution for household and industrial applications.

Features:

- Ultra slim design with 17.5mm (1SU) width
- Universal input 85~264VAC (277VAC operational)
- No load power consumption <0.3W
- Isolation class II
- Pass LPS (Limited power source)
- DC output voltage adjustable
- Protections: Short circuit/Overload/Over voltage
- Cooling by free air convection (working temperature: -30°C ~ +70°C)
- DIN rail TS-35/7.5 or 15 mountable
- LED indicator for power on

Dimensions (mm):



Order Codes:

HDR-15-12	15W Ultra Slim Step Shape DIN Rail - 12V
HDR-15-24	15W Ultra Slim Step Shape DIN Rail - 24V



Technical Specification:

	HDR-15-12	HDR-15-24
DC Voltage:	12V	24V
Rated Current:	1.25A	0.63A
Current Range:	0 ~ 1.25A	0 ~ 0.63A
Rated Power:	15W	15.2W
Ripple & Noise (Max.):	120mVp-p	150mVp-p
Voltage Adj. Range:	10.8 ~ 13.8V	21.6 ~ 29V
Voltage Tolerance:	±1.0%	±1.0%
Line Regulation:	±1.0%	±1.0%
Load Regulation:	±1.0%	±1.0%
Efficiency (Typ.):	85%	86%
Over Voltage:	14.2 ~ 16.2V	30 ~ 36V
	Protection type: Shut off o/p voltage, clamping by zener diode.	
Setup, Rise Time:	2000ms, 80ms/230VAC	
Hold Up Time (Typ.):	2000ms, 80ms/115VAC at full load 30ms/230VAC 12ms/115VAC at full load	
Voltage Range:	85 ~ 264VAC (277VAC operational) 120 ~ 370VDC (390VDC operational)	
Frequency Range:	47 ~ 63Hz	
AC Current (Typ.):	0.5A/115VAC 0.25A/230VAC	
Inrush Current (Typ.):	COLD START 25A/115VAC 45A/230VAC	
Overload:	110 ~ 145% rated output power Hiccup mode when output voltage < 50%, recovers automatically after fault condition is removed. Constant current limiting within 50% ~ 100% rated output voltage, recovers automatically after fault condition is removed.	
Working Temp.:	-30 ~ +70°C	
Working Humidity:	20 ~ 90% RH non-condensing	
Storage Temp. Humidity:	-40 ~ +85°C, 10 ~ 95% RH non-condensing	
Temp. Coefficient:	±0.03%/°C (0 ~ 50°C) RH non-condensing	
Vibration:	10 ~ 500Hz, 2G 10min./1cycle, period for 60min.	
Operating Altitude:	2000 meters	
Dimensions:	17.5(W) x 90(H) x 54.5(D)mm	