



High quality DIN rail industrial power supplies

FEATURES:

- compact design
- high power output
- premium class components
- fully protected
- low inrush
- output voltage trimmer
- perforated enclosure
- power on LED

APPLICATIONS:

- industrial automation
- home and building automation
- monitoring and safety systems
- lighting LED systems



HDN-15 is a series of a high quality, efficient switched-mode industrial power supplies in a plastic housing for mounting on a DIN TS35 mm rail with a width of 1U. Its design is based on high-quality electronic components that allow for continuous, long-term operation. It is reliable, fully protected and stable. Provides high efficiency and excellent specification. The perforated enclosure provides good ventilation and the trimmer allows to accurately adjust the voltage to compensate for the voltage drop across the wires. 5 years warranty included.

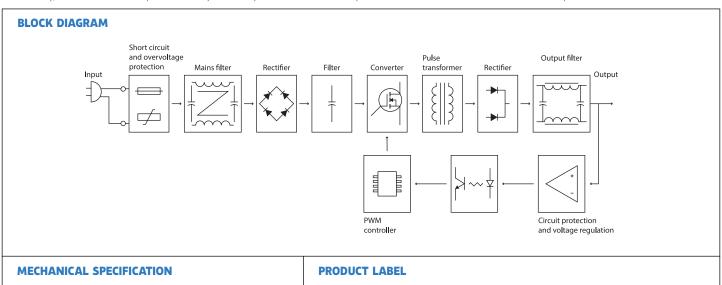
TECHNICAL SPECIFICATION

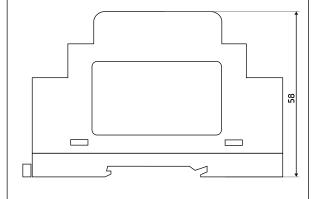
Group	Parameter	HDN-1005	HDN-1512	HDN-1524	Conditions
Input	Rated input voltage		100-240 VAC		
	Input voltage range		90-264 VAC		
	Mains frequency range		47-63 Hz		
	AC current (max.)	0.3 A	0.4 A	0.5 A	At 100 VAC and full load
	Inrush current (max.)	20 A	40 A	30 A	At 265 VAC and full load
	No load power consumption		0.2 W		
	Input leakage current (max.)		0.25 mA		
	Power factor correction		No		
	Typical power factor		0.55		
Output	Rated output voltage	5 V	12 V	24 V	
	Trim range	4-6 V	11-13 V	23-25 V	
	Rated output power	10 W	15 W	15 W	
	Rated output current	2 A	1.25 A	0.63 A	
	Efficiency at full load (typ.)	Over 82%	Over 84%	Over 84%	
	Line regulation		±2%		
	Load regulation	±3%	±2%	±2%	
	Ripple and noise		100 mVp-p		
	Minimal output current		No		
	Hold up time (max.)		5 ms		
	DC voltage rise time (max.)		40 ms		
	Turn on delay time (max.)		0.5 s		
	Working temperature		0 to +40℃		
Environmental	Working humidity		25% to 75% RH		
	Storage temperature		-10°C to +80°C		
	Cooling method		Free air circulation		
Protection	Short circuit		Yes		
	Overcurrent		120-145%		
	Output overvoltage protection at	6.75 V	16 V	32 V	
	Input overvoltage protection		Yes		
	Thermal protection		Yes		
	Automatic recovery on fault remove		Yes		
Safety and EMC	Withstand isolation voltage		3 kVAC (input to output)		
	Isolation resistance		100 ΜΩ		
	Isolation class		2		
	Safety compliance		EN62368-1		
	EMC compliance	EN55032	EN55032 Class B, EN61000-4-2, -4-4, -4-5		
	Marking		CE, UKCA, RoHS		

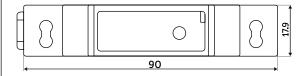
Mechanical and features	Enclosure	Grey ABS plastic			IP20
	LED indicator	Yes			
	Dimension	90 × 58 × 17.9 mm			L × W × H
	Weight	70 g			
	Output connector	Terminal block			
	Input connector	Terminal block			
	Single package	100 × 28 × 68 mm			
	Packing	420 × 160 × 360 mm			100 items
	Manufacturing	China			
	Warranty	5 years			
	EAN	5904139604687	5904139604694	5904139604670	

Notes:

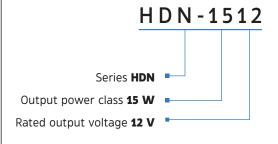
Unless otherwise stated, all parameters are specified at 230 VAC input voltage, 50 Hz, ambient temperature 25°C and relative humidity 70% for rated load output. The values of parameters related to the output voltage regulation is measured from low to high line or for load changes from 0 to 100%, respectively. The power supply is considered as an independent unit, but the final equipment still need to reconfirm that the whole system complies with the EMC directives. If the PSU is installed in the final device as a subassembly, the tests should be repeated to verify that the system has been met compliance. Detailed technical data are available on request.

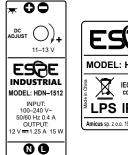


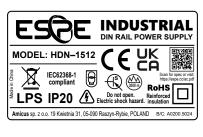




MARKING SYSTEM







Legend to the label icons:

- II :
- Il safety class: no grounding is required, no dangerous voltage even in an emergency situation will appear on output
- (3000 m)
- maximum allowable power supply mounting height
- 9
- means safety isolating control gear with short circuit protection
- (\$)-
- switching power supply
- 1
- the product must not be disposed of in normal waste containers
- high voltage inside the power supply enclosure warning
- LPS
- a Limited Power Source (LPS) as defined in IEC 62368-1 and IEC 60950, is a secondary circuit with an open circuit output voltage, UOC, not exceeding the SELV circuit limits of 42.4 VPEAK or 60 VDC
- IP20

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- defined in EN 60529 levels of sealing effectiveness of electrical enclosures against intrusion from foreign bodies (tools, dirt) and moisture
- - line connection (brown wire)
- N
- neutral connection (blue wire)
- output plus (positive) wire, output minus (negative) wire

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