

WEPS160

AC/DC Din Rail Power Supplies 160W Wide AC Input: 187-528VAC



■ Main Features

- High efficiency
- 1 or 2 phases input AC 187...528Vac
- Latched overload and short-circuit protection
- Excellent field reliability record
- Designed in according to EN12015, EN12016 for elevator use

TECHNICAL DATA

Model type	WEPS160-26	
OUTPUT DATA		
Rated voltage	26Vdc	
Adj. output voltage range	26Vdc Fixed	
Continuous current	6A	
Overload limit	Up to 10A for 5s, latched protection	
Short circuit peak current	25A	
Load regulation	≤ 1%	
Ripple & Noise ¹	≤ 150mVpp	
Hold up time		
Vin = 240Vac	≥ 20ms	
Vin = 480Vac	≥ 110ms	
Protections	<ul style="list-style-type: none"> ▪ Overload and overvoltage latched off ▪ Thermal protection ▪ Output overvoltage 	
Output overvoltage protection	≥ 33Vdc	
Status Signals	<ul style="list-style-type: none"> ▪ DC OK - green LED ▪ ALARM - red LED 	
Parallel connection	Possible for redundancy (with external ORing module)	
INPUT DATA		
Input AC rated voltage	Nominal: 1/2 phases 380Vac	
Frequency	Range: 187...528Vac 47...63Hz	
Input AC rated current		
Vin = 187Vac	1.8A	
Vin = 380Vac	1.0A	
Vin = 528Vac	0.8A	
Inrush peak current	≤ 30A	
Touch (leakage) current	≤ 0.8mA	
Internal Protection fuse	None, external fuse must be provided	
Recommended external protection	Fuse 4AT or MCB 6A C curve It is strongly recommended to provide external surge arresters (SPD) according to local regulations.	
GENERAL DATA		
Efficiency	> 88%	
Dissipated power	< 25W	
Operating temperature ²	- 40°C...+ 50°C	
Derating	- 15W/°C over 45°C	
Storage temperature	- 40°C...+ 80°C	
Humidity	5...95% r.H. non condensing	
Life time expectation	77'726h (8.8 years) at 25°C ambient full load	
Overvoltage category	<ul style="list-style-type: none"> ▪ EN50178 III 	
Pollution degree	<ul style="list-style-type: none"> ▪ IEC60664-1 2 	
Input / output isolation	4.2kVdc	
Input / ground isolation	2.2kVdc	
Output / ground isolation	0.75kVdc	
Safety Standards	<ul style="list-style-type: none"> ▪ UL508 (reference) ▪ EN60950 (reference) ▪ EN50178 (reference) 	
EMC Emission	<ul style="list-style-type: none"> ▪ EN55011 (CISPR11) Class A ▪ EN55022 (CISPR22) Class A ▪ EN12015 Class A 	
EMC Immunity	<ul style="list-style-type: none"> ▪ EN61000-4-2 Level 3 ▪ EN61000-4-3 Level 3 ▪ EN61000-4-4 Level 3 ▪ EN61000-4-5 Level 4 ▪ EN61000-4-11 Level 2 ▪ EN12016 	
Protection degree	<ul style="list-style-type: none"> ▪ EN60529 IP20 	
Vibration sinusoidal	<ul style="list-style-type: none"> ▪ IEC60068-2-6 (5-17.8Hz: ±1.6mm; 17.8-500Hz: 2g 2hours / axis (X,Y,Z) 	
Shock	<ul style="list-style-type: none"> ▪ IEC60068-2-27 (30g 6ms, 20g 11ms; 3 bumps / direction, 18 bumps total) 	
Connection terminals	2.5mm ² , screw type header (24...12AWG)	
Case material	Aluminum	
Weight	0.50kg	
Size (W x H x D)	108.0 x 110.0 x 74.5mm	

1) Ripple and Noise are measured with 20MHz bandwidth, probe terminated with a 0.1µF MKP parallel capacitor.

2) Start-up type tested: - 40°C, possible at nominal voltage with load deration.

Notes:

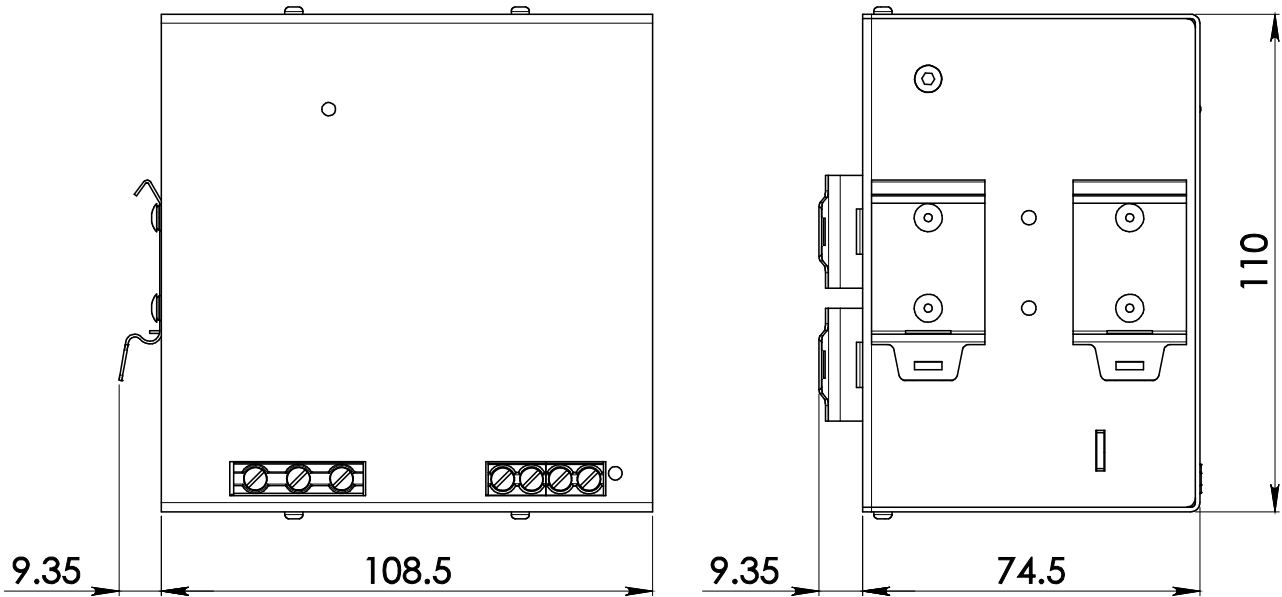
- For more details, performance and descriptions regarding all parameters not indicated in the above table, please refer to the instruction manual downloadable from www.nextsys.com
- Technical parameters are typical, measured in laboratory environment at 25°C and 400Vac / 50Hz, at nominal values, after minimum 5 minutes of operation.
- Power rating, losses, efficiency, ripple, thermal behaviour and start-up may change outside of the nominal rated input range. Contact factory for details.
- Data may change without prior notice in order to improve the product.

WEPS160

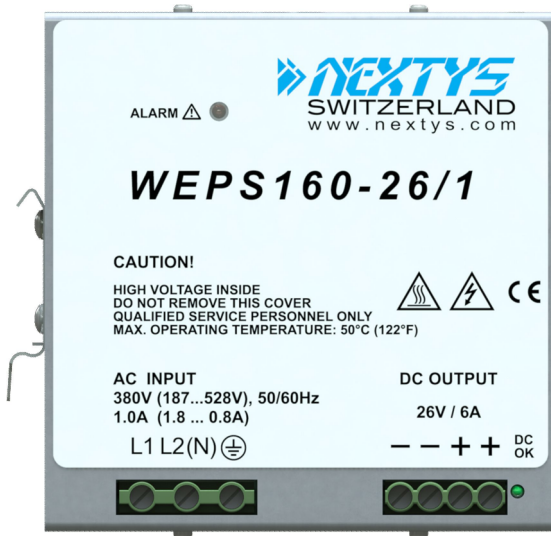
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DIMENSIONS



CONNECTION



Input Connection:

- Single phase:
- L1 = Line
 - N = Neutral
 - | = Earth ground
- 2 phases:
- L1 = Phase 1
 - L2 = Phase 2
 - | = Earth ground

Output Connection:

- += Positive DC
- -= Negative DC