









■ 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

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ΤΕCΗΝΙCΑΙ ΠΑΤΑ

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% <150ml/na	
Ripple & Noise ¹	≤150mVpp	
Hold up time	. 22	
Vin = 240Vac Vin = 480Vac	≥ 20ms ≥ 110ms	
VIII = 480VaC		
Protections	 Overload and overvoltage latched off Thermal protection Output overvoltage 	
Output overvoltage protection	≥ 33Vdc	
Status Signals	DC OK - green LED ALARM - red LED	
Parallel connection	Possible for redundancy (with external ORing module)	
INPUT DATA		
	Nominal: 1/2 phases 380Vac	
Input AC rated voltage Frequency	Range: 187528Vac 4763Hz	
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	
memai i rotection ruse		
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		
	, ggg/	
Efficiency	> 88%	
Efficiency Dissipated power	< 25W	
Efficiency Dissipated power Operating temperature ²	< 25W - 40°C+ 50°C	
Efficiency Dissipated power Operating temperature ² Derating	< 25W - 40°C+ 50°C - 15W/°C over 45°C	
Efficiency Dissipated power Operating temperature ² Derating Storage temperature	< 25W - 40°C+ 50°C - 15W/°C over 45°C - 40°C+ 80°C	
Efficiency Dissipated power Operating temperature ² Derating	< 25W - 40°C+ 50°C - 15W/°C over 45°C - 40°C+ 80°C 595% r.H. non condensing	
Efficiency Dissipated power Operating temperature ² Derating Storage temperature	< 25W - 40°C+ 50°C - 15W/°C over 45°C - 40°C+ 80°C	
Efficiency Dissipated power Operating temperature ² Derating Storage temperature Humidity Life time expectation Overvoltage category	< 25W - 40°C+ 50°C - 15W/°C over 45°C - 40°C+ 80°C 595% r.H. non condensing 77′726h (8.8 years) at 25°C ambient full load • EN50178 III	
Efficiency Dissipated power Operating temperature ² Derating Storage temperature Humidity Life time expectation	< 25W - 40°C+ 50°C - 15W/°C over 45°C - 40°C+ 80°C 595% r.H. non condensing 77'726h (8.8 years) at 25°C ambient full load	
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Efficiency Dissipated power Operating temperature ² Derating Storage temperature Humidity Life time expectation Overvoltage category Pollution degree	< 25W - 40°C+50°C - 15W/°C over 45°C - 40°C+80°C 595% r.H. non condensing 77'726h (8.8 years) at 25°C ambient full load EN50178 III IEC60664-1 2	
Efficiency Dissipated power Operating temperature ² Derating Storage temperature Humidity Life time expectation Overvoltage category Pollution degree Input / output isolation Input / ground isolation	< 25W - 40°C+50°C - 15W/°C over 45°C - 40°C+80°C 595% r.H. non condensing 77'726h (8.8 years) at 25°C ambient full load EN50178 III IEC60664-1 2 4.2kVdc	
Efficiency Dissipated power Operating temperature ² Derating Storage temperature Humidity Life time expectation Overvoltage category Pollution degree Input / output isolation	< 25W - 40°C+ 50°C - 15W/°C over 45°C - 40°C+ 80°C 595% r.H. non condensing 77'726h (8.8 years) at 25°C ambient full load • EN50178 III • IEC60664-1 2 4.2kVdc 2.2kVdc 0.75kVdc	
Efficiency Dissipated power Operating temperature ² Derating Storage temperature Humidity Life time expectation Overvoltage category Pollution degree Input / output isolation Input / ground isolation Output / ground isolation	< 25W - 40°C+ 50°C - 15W/°C over 45°C - 40°C+ 80°C 595% r.H. non condensing 77'726h (8.8 years) at 25°C ambient full load • EN50178 III • IEC60664-1 2 4.2kVdc 2.2kVdc 0.75kVdc • UL508 (reference)	
Efficiency Dissipated power Operating temperature ² Derating Storage temperature Humidity Life time expectation Overvoltage category Pollution degree Input / output isolation Input / ground isolation	< 25W - 40°C+ 50°C - 15W/°C over 45°C - 40°C+ 80°C 595% r.H. non condensing 77′726h (8.8 years) at 25°C ambient full load EN50178 III IEC60664-1 2 4.2kVdc 2.2kVdc 0.75kVdc UL508 (reference) EN60950 (reference)	
Efficiency Dissipated power Operating temperature ² Derating Storage temperature Humidity Life time expectation Overvoltage category Pollution degree Input / output isolation Input / ground isolation Output / ground isolation	< 25W - 40°C+ 50°C - 15W/°C over 45°C - 40°C+ 80°C - 40°C+ 80°C 595% r.H. non condensing 77′726h (8.8 years) at 25°C ambient full load ■ EN50178 III ■ IEC60664-1 2 4.2kVdc 2.2kVdc 0.75kVdc ■ UL508 (reference) ■ EN60950 (reference) ■ EN50178 (reference)	
Efficiency Dissipated power Operating temperature ² Derating Storage temperature Humidity Life time expectation Overvoltage category Pollution degree Input / output isolation Input / ground isolation Output / ground isolation Safety Standards	< 25W - 40°C+ 50°C - 15W/°C over 45°C - 15W/°C over 45°C - 40°C+ 80°C 595% r.H. non condensing 77′726h (8.8 years) at 25°C ambient full load • EN50178 III • IEC60664-1 2 4.2kVdc 2.2kVdc 0.75kVdc • UL508 (reference) • EN60950 (reference) • EN50178 (reference) • EN50178 (reference) • EN50178 (reference) • EN50178 (reference)	
Efficiency Dissipated power Operating temperature ² Derating Storage temperature Humidity Life time expectation Overvoltage category Pollution degree Input / output isolation Input / ground isolation Output / ground isolation	< 25W - 40°C+50°C - 15W/°C over 45°C - 40°C+80°C 595% r.H. non condensing 77′726h (8.8 years) at 25°C ambient full load EN50178 III IEC60664-1 2 4.2kVdc 2.2kVdc 0.75kVdc UL508 (reference) EN60950 (reference) EN50178 (reference) EN50178 (reference) EN50178 (reference) EN50178 (reference) EN50178 (reference) EN55011 (CISPR11) Class A EN55022 (CISPR22) Class A	
Efficiency Dissipated power Operating temperature ² Derating Storage temperature Humidity Life time expectation Overvoltage category Pollution degree Input / output isolation Input / ground isolation Output / ground isolation Safety Standards	< 25W - 40°C+ 50°C - 15W/°C over 45°C - 40°C+ 80°C 595% r.H. non condensing 77′726h (8.8 years) at 25°C ambient full load EN50178 III IEC60664-1 2 4.2kVdc 2.2kVdc 0.75kVdc UL508 (reference) EN60950 (reference) EN50178 (reference) EN50178 (reference) EN50178 (reference) EN50178 (reference) EN50178 (reference) EN50178 (reference) EN55012 (CISPR11) Class A EN55022 (CISPR22) Class A EN12015 Class A	
Efficiency Dissipated power Operating temperature ² Derating Storage temperature Humidity Life time expectation Overvoltage category Pollution degree Input / output isolation Input / ground isolation Output / ground isolation Safety Standards	< 25W - 40°C+ 50°C - 15W/°C over 45°C - 40°C+ 80°C 595% r.H. non condensing 77′726h (8.8 years) at 25°C ambient full load • EN50178 III • IEC60664-1 2 4.2kVdc 2.2kVdc 0.75kVdc • UL508 (reference) • EN60950 (reference) • EN50178 (reference) • EN55022 (CISPR22) Class A • EN12015 Class A • EN12015 Class A • EN61000-4-2 Level 3	
Efficiency Dissipated power Operating temperature ² Derating Storage temperature Humidity Life time expectation Overvoltage category Pollution degree Input / output isolation Input / ground isolation Output / ground isolation Safety Standards EMC Emission	< 25W - 40°C+ 50°C - 15W/°C over 45°C - 40°C+ 80°C 595% r.H. non condensing 77′726h (8.8 years) at 25°C ambient full load EN50178 III IEC60664-1 2 4.2kVdc 2.2kVdc 0.75kVdc UL508 (reference) EN60950 (reference) EN50178 (reference) EN50178 (reference) EN50178 (reference) EN50178 (reference) EN50178 (reference) EN50178 (reference) EN55012 (CISPR11) Class A EN55022 (CISPR22) Class A EN12015 Class A	
Efficiency Dissipated power Operating temperature ² Derating Storage temperature Humidity Life time expectation Overvoltage category Pollution degree Input / output isolation Input / ground isolation Output / ground isolation Safety Standards	< 25W - 40°C+ 50°C - 15W/°C over 45°C - 40°C+ 80°C 595% r.H. non condensing 77'726h (8.8 years) at 25°C ambient full load • EN50178 III • IEC60664-1 2 4.2kVdc 2.2kVdc 0.75kVdc • UL508 (reference) • EN60950 (reference) • EN50178 (reference) • EN50178 (reference) • EN50178 (reference) • EN50178 (reference) • EN55012 (CISPR1) Class A • EN55022 (CISPR22) Class A • EN12015 Class A • EN61000-4-2 Level 3 • EN61000-4-3 Level 3	
Efficiency Dissipated power Operating temperature ² Derating Storage temperature Humidity Life time expectation Overvoltage category Pollution degree Input / output isolation Input / ground isolation Output / ground isolation Safety Standards EMC Emission		
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Efficiency Dissipated power Operating temperature ² Derating Storage temperature Humidity Life time expectation Overvoltage category Pollution degree Input / output isolation Input / ground isolation Output / ground isolation Safety Standards EMC Emission EMC Immunity	< 25W - 40°C+ 50°C - 15W/°C over 45°C - 40°C+ 80°C 595% r.H. non condensing 77′726h (8.8 years) at 25°C ambient full load • EN50178 III • IEC60664-1 2 4.2kVdc 2.2kVdc 0.75kVdc • EN60950 (reference) • EN50178 (reference) • EN50178 (reference) • EN50178 (reference) • EN501178 (reference) • EN55012 (CISPR11) Class A • EN12015 Class A • EN12015 Class A • EN61000-4-2 Level 3 • EN61000-4-2 Level 3 • EN61000-4-3 Level 3 • EN61000-4-1 • EN61000-4-1 Level 4 • EN61000-4-11 Level 2 • EN12016 • EN60529 IP20	
Efficiency Dissipated power Operating temperature² Derating Storage temperature Humidity Life time expectation Overvoltage category Pollution degree Input / output isolation Input / ground isolation Output / ground isolation Safety Standards EMC Emission EMC Immunity Protection degree Vibration sinuosoidal	< 25W - 40°C+ 50°C - 15W/°C over 45°C - 40°C+ 80°C 595% r.H. non condensing 77′726h (8.8 years) at 25°C ambient full load • EN50178 III • IEC60664-1 2 4.2kVdc 2.2kVdc 0.75kVdc • EN60950 (reference) • EN50178 (reference) • EN50178 (reference) • EN50178 (reference) • EN55011 (CISPR11) Class A • EN55012 (CISPR22) Class A • EN12015 Class A • EN61000-4-2 Level 3 • EN61000-4-3 Level 3 • EN61000-4-4 Level 3 • EN61000-4-5 Level 4 • EN61000-4-1 Evel 2 • EN61000-4-11 Level 2 • EN12016 • EN60529 IP20 • IEC60068-2-6 (5-17.8Hz: ±1.6mm; 17.8-500Hz: 2g 2hours / axis (X,Y,Z)	
Efficiency Dissipated power Operating temperature² Derating Storage temperature Humidity Life time expectation Overvoltage category Pollution degree Input / output isolation Input / ground isolation Output / ground isolation Safety Standards EMC Emission EMC Immunity Protection degree Vibration sinuosoidal Shock	< 25W - 40°C+ 50°C - 15W/°C over 45°C - 40°C+ 80°C 595% r.H. non condensing 77′726h (8.8 years) at 25°C ambient full load • EN50178 III • IEC60664-1 2 4.2kVdc 2.2kVdc • EN60950 (reference) • EN50178 (reference) • EN55012 (CISPR2) Class A • EN50105 Class A • EN12015 Class A • EN12015 Class A • EN61000-4-2 Level 3 • EN61000-4-3 Level 3 • EN61000-4-3 Level 3 • EN61000-4-4 Level 3 • EN61000-4-5 Level 4 • EN61000-4-1 Level 2 • EN61000-4-1 Level 2 • EN61000-4-1 Level 2 • EN62006-2-6 (5-17.8Hz: ±1.6mm; 17.8-500Hz: 2g 2hours / axis (X,Y,Z) • IEC60068-2-6 (5-17.8Hz: ±1.6mm; 17.8-500Hz: 2g 2hours / axis (X,Y,Z) • IEC60068-2-27 (30g 6ms, 20g 11ms; 3 bumps / direction, 18 bumps total)	
Efficiency Dissipated power Operating temperature² Derating Storage temperature Humidity Life time expectation Overvoltage category Pollution degree Input / output isolation Input / ground isolation Output / ground isolation Safety Standards EMC Emission EMC Immunity Protection degree Vibration sinuosoidal Shock Connection terminals	< 25W - 40°C+ 50°C - 15W/°C over 45°C - 40°C+ 80°C 595% r.H. non condensing 77'726h (8.8 years) at 25°C ambient full load • EN50178 III • IEC60664-1 2 4.2kVdc 2.2kVdc • EN60950 (reference) • EN50178 (reference) • EN55012 (CISPR2) Class A • EN12015 Class A • EN12015 Class A • EN12015 Class A • EN61000-4-2 Level 3 • EN61000-4-3 Level 3 • EN61000-4-3 Level 3 • EN61000-4-3 Level 3 • EN61000-4-4 Level 3 • EN61000-4-5 Level 4 • EN61000-4-1 Level 2 • EN61000-4-1 Level 2 • EN61000-4-1 Level 2 • EN61000-4-1 Level 2 • EN610068-2-6 (5-17.8Hz: ±1.6mm; 17.8-500Hz: 2g 2hours / axis (X,Y,Z) • IEC60068-2-27 (30g 6ms, 20g 11ms; 3 bumps / direction, 18 bumps total) 2.5mm², screw type header (2412AWG)	
Efficiency Dissipated power Operating temperature² Derating Storage temperature Humidity Life time expectation Overvoltage category Pollution degree Input / output isolation Input / ground isolation Output / ground isolation Safety Standards EMC Emission EMC Immunity Protection degree Vibration sinuosoidal Shock Connection terminals Case material	< 25W - 40°C+ 50°C - 15W/*C over 45°C - 40°C+ 80°C 595% r.H. non condensing 77'726h (8.8 years) at 25°C ambient full load • EN50178 III • IEC60664-1 2 4.2kVdc 2.2kVdc 0.75kVdc • UL508 (reference) • EN60950 (reference) • EN50178 (reference) • EN50178 (reference) • EN55017 (CISPR11) Class A • EN55012 (CISPR22) Class A • EN12015 Class A • EN12015 Class A • EN61000-4-2 Level 3 • EN61000-4-3 Level 3 • EN61000-4-4 Level 3 • EN61000-4-1 Level 3 • EN61000-4-1 Level 4 • EN61000-4-1 Level 2 • EN61008-2-6 (5-17.8Hz: ±1.6mm; 17.8-500Hz: 2g 2hours / axis (X,Y,Z) • IEC60068-2-7 (30g 6ms, 20g 11ms; 3 bumps / direction, 18 bumps total) 2.5mm², screw type header (2412AWG) Aluminum	
Efficiency Dissipated power Operating temperature² Derating Storage temperature Humidity Life time expectation Overvoltage category Pollution degree Input / output isolation Input / ground isolation Output / ground isolation Safety Standards EMC Emission EMC Immunity Protection degree Vibration sinuosoidal Shock Connection terminals	< 25W - 40°C+ 50°C - 15W/°C over 45°C - 40°C+ 80°C 595% r.H. non condensing 77'726h (8.8 years) at 25°C ambient full load • EN50178 III • IEC60664-1 2 4.2kVdc 2.2kVdc • EN60950 (reference) • EN50178 (reference) • EN55012 (CISPR2) Class A • EN12015 Class A • EN12015 Class A • EN12015 Class A • EN61000-4-2 Level 3 • EN61000-4-3 Level 3 • EN61000-4-3 Level 3 • EN61000-4-3 Level 3 • EN61000-4-4 Level 3 • EN61000-4-5 Level 4 • EN61000-4-1 Level 2 • EN61000-4-1 Level 2 • EN61000-4-1 Level 2 • EN61000-4-1 Level 2 • EN610068-2-6 (5-17.8Hz: ±1.6mm; 17.8-500Hz: 2g 2hours / axis (X,Y,Z) • IEC60068-2-27 (30g 6ms, 20g 11ms; 3 bumps / direction, 18 bumps total) 2.5mm², screw type header (2412AWG)	
Efficiency Dissipated power Operating temperature² Derating Storage temperature Humidity Life time expectation Overvoltage category Pollution degree Input / output isolation Input / ground isolation Output / ground isolation Safety Standards EMC Emission EMC Immunity Protection degree Vibration sinuosoidal Shock Connection terminals Case material	< 25W - 40°C+ 50°C - 15W/*C over 45°C - 40°C+ 80°C 595% r.H. non condensing 77'726h (8.8 years) at 25°C ambient full load • EN50178 III • IEC60664-1 2 4.2kVdc 2.2kVdc 0.75kVdc • UL508 (reference) • EN60950 (reference) • EN50178 (reference) • EN50178 (reference) • EN55017 (CISPR11) Class A • EN55012 (CISPR22) Class A • EN12015 Class A • EN12015 Class A • EN61000-4-2 Level 3 • EN61000-4-3 Level 3 • EN61000-4-4 Level 3 • EN61000-4-1 Level 3 • EN61000-4-1 Level 4 • EN61000-4-1 Level 2 • EN61008-2-6 (5-17.8Hz: ±1.6mm; 17.8-500Hz: 2g 2hours / axis (X,Y,Z) • IEC60068-2-7 (30g 6ms, 20g 11ms; 3 bumps / direction, 18 bumps total) 2.5mm², screw type header (2412AWG) Aluminum	

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.nextys.com
- Technical parameters are typical, measured in laboratory environment at 25°C and 400Vac / 50Hz, at nominal values, after minimum 5 minutes of operation.

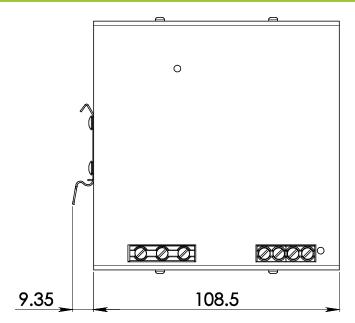
 Power rating, losses, efficiency, ripple, thermal behaviour and start-up may change outside of the nominal rated input range. Contact factory for details.

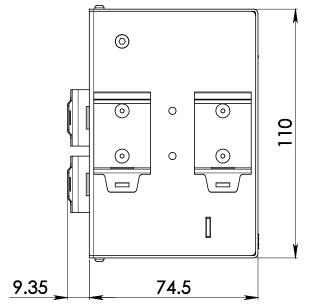
 Data may change without prior notice in order to improve the product.

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DIMENSIONS





CONNECTION



Input Connection:

Single phase:

- L1 = LineN = Neutral
- I = Earth ground

2 phases:

- L1 = Phase 1
- L2 = Phase 2
- I = Earth ground

Output Connection:

- + = Positive DC
- - = Negative DC

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