■ *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

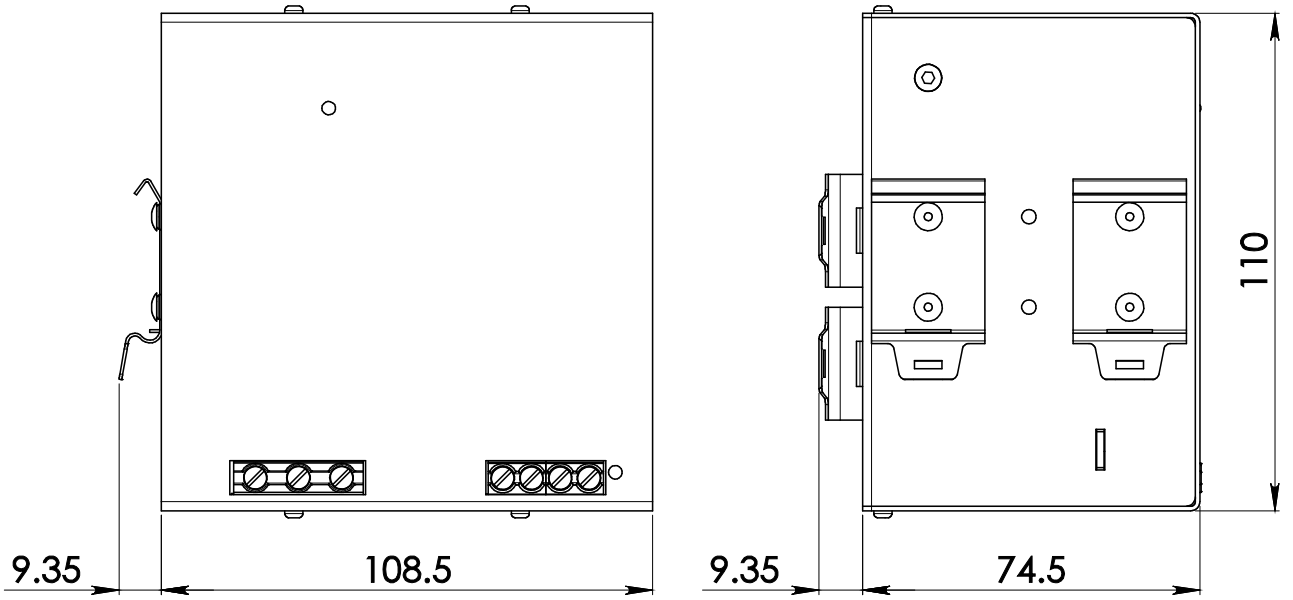
TECHNICAL DATA

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 Vin = 480Vac	 ≥ 20ms ≥ 110ms	
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		
Input AC rated voltage Frequency	Nominal: 1/2 phases 380Vac Range: 187…528Vac 47...63Hz	
Input AC rated current Vin = 187Vac Vin = 380Vac Vin = 528Vac	 1.8A 1.0A 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	
MTBF	▪ MIL-HDBK-217F	> 500'000h at 25°C ambient full load
Overvoltage category Pollution degree	▪ EN50178 ▪ IEC60664-1	III 2
Input / output isolation	4.2kVdc	
Input / ground isolation	2.2kVdc	
Output / ground isolation	0.75kVdc	
Safety Standards	▪ UL508 ▪ EN60950 ▪ EN50178	(reference) (reference) (reference)
EMC Emission	▪ EN55011 (CISPR11) ▪ EN55022 (CISPR22) ▪ EN12015	Class A Class A Class A
EMC Immunity	▪ EN61000-4-2 ▪ EN61000-4-3 ▪ EN61000-4-4 ▪ EN61000-4-5 ▪ EN61000-4-11 ▪ EN12016	Level 3 Level 3 Level 3 Level 4 Level 2
Protection degree	▪ EN60529	IP20
Vibration sinuosoidal	▪ IEC60068-2-6	(5-17.8Hz: ±1.6mm; 17.8-500Hz: 2g 2hours / axis (X,Y,Z)
Shock	▪ IEC60068-2-27	(30g 6ms, 20g 11ms; 3 bumps / direction, 18 bumps total)
Connection terminals	2.5mm², 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	

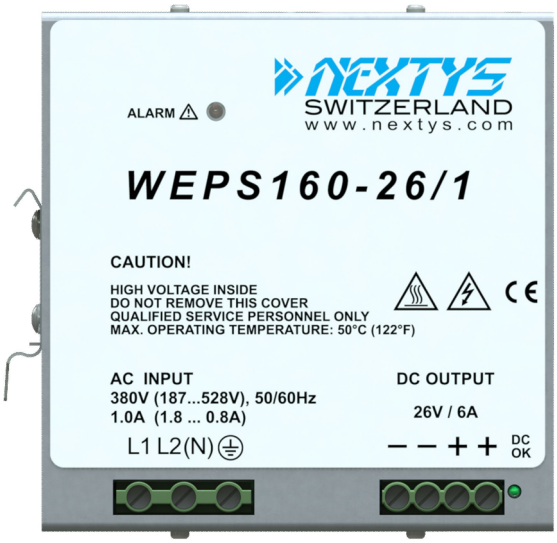
1) Ripple and Noise are measured with 20MHz bandwidth, probe terminated with a 0.1µF MKP parallel capacitor.
2) Start-up type tested: - 40°C, possible at nominal voltage with load deration.

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.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.

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