
## ■ *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

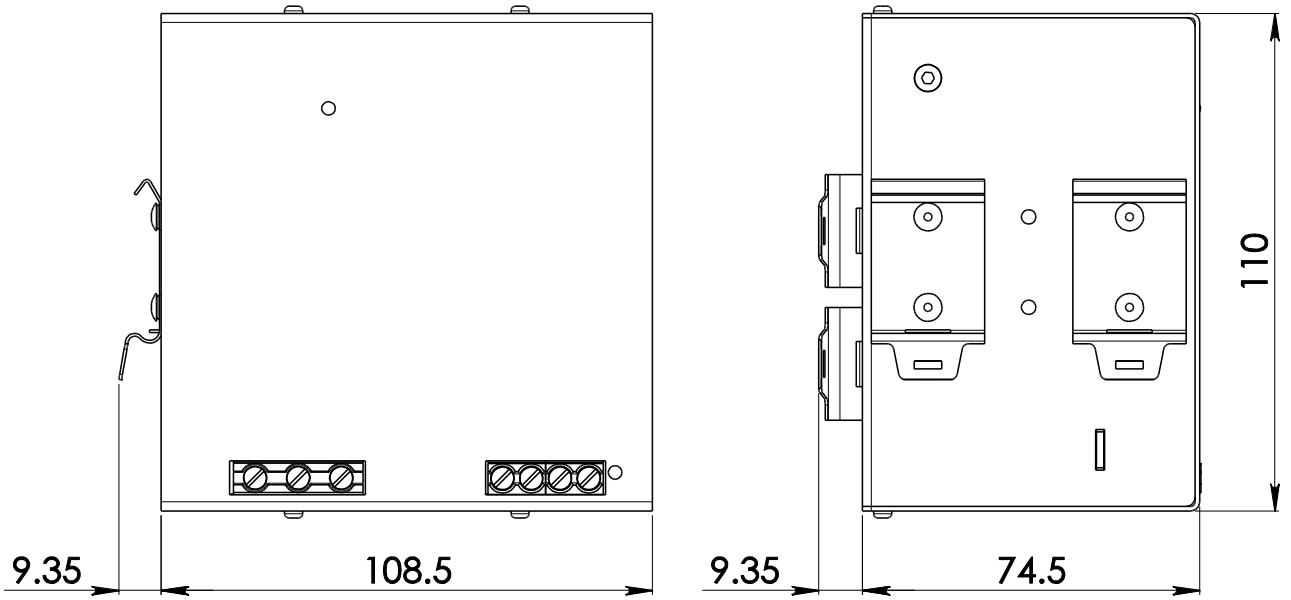
**TECHNICAL DATA**

| 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<br>Vin = 240Vac<br>Vin = 480Vac | <br>≥ 20ms<br>≥ 110ms |
| Protections | ▪ Overload and overvoltage latched off<br>▪ Thermal protection<br>▪ Output overvoltage |
| Output overvoltage protection | ≥ 33Vdc |
| Status Signals | ▪ **DC OK** - green LED<br>▪ **ALARM** - red LED |
| Parallel connection | Possible for redundancy (with external ORing module) |
| **INPUT DATA** | |
| Input AC rated voltage<br>Frequency | Nominal: 1/2 phases 380Vac<br>Range: 187…528Vac<br>47...63Hz |
| Input AC rated current<br>Vin = 187Vac<br>Vin = 380Vac<br>Vin = 528Vac | <br>1.8A<br>1.0A<br>0.8A |
| Inrush peak current[2] / $I^2t$ | ≤ 29A / 0.53$A^2s$ |
| Touch (leakage) current | ≤ 0.8mA |
| Internal Protection fuse | None, external fuse must be provided |
| Recommended external protection | Fuse 4AT or MCB 6A C curve<br>It is strongly recommended to provide external surge arresters (SPD) according to local regulations. |
| **GENERAL DATA** | |
| Efficiency | > 88% |
| Dissipated power | < 25W |
| Operating temperature[3] | - 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<br>Pollution degree | ▪ EN50178 III<br>▪ IEC60664-1 2 |
| Input / output isolation | 4.2kVdc |
| Input / ground isolation | 2.2kVdc |
| Output / ground isolation | 0.75kVdc |
| Safety Standards | ▪ UL508 (reference)<br>▪ IEC/EN61010-1 (reference)<br>▪ IEC/EN61010-2-201 (reference)<br>▪ IEC/EN60950 (reference) |
| EMC Emission | ▪ EN55011 (CISPR11) Class A<br>▪ EN55022 (CISPR22) Class A<br>▪ EN12015 Class A |
| EMC Immunity | ▪ EN61000-4-2 Level 3<br>▪ EN61000-4-3 Level 3<br>▪ EN61000-4-4 Level 3<br>▪ EN61000-4-5 Level 4<br>▪ EN61000-4-11 Level 2<br>▪ EN12016 |
| 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 | 2.5$mm^2$, 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) Peak current measured after 0.2ms from main connection; 400Vac/50Hz; Ambient temperature at 25°C; Cold Start.
3) 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