



Anixter Level 2 for Industrial Network Environments

Power Supplies: 24V 10 A Three Phase



| Anixter Item # | Product Description |
|----------------|--|
| L2-24V-10A-3P | DIN Rail Mount Power Supply, Three Phase, 24 VDC / 10 A 3 Phase |

| Input Circuit | |
|-------------------------------|------------------|
| Rated input voltage U | 3 x 400-500 V AC |
| Input voltage range | 340-575 V AC |
| | 480-820 V DC |
| Frequency range AC | 47-63 Hz |
| Typical input current | 0.65 A |
| Typical power consumption | 270 W |
| Inrush current limiting | 20 A |
| Internal input fuse | 2 A / 600 V AC |
| Power factor correction (PFC) | < 3.5 mA |

| Indication of Operational States: | | |
|--|--------------------------------------|--|
| Output voltage | Green LED | OUTPUT OK: V: output voltage OK |
| | Red LED | OUTPUT LOW: V: output voltage too low |
| Output Circuit | | |
| Rated output voltage | | 24 V DC |
| Tolerance of the output voltage | | 0...+1 % |
| Adjustment range of the output voltage | | 22.5-28.5 V DC |
| Rated output power | | 240 W |
| Rated output current I | | 10 A |
| Signaling contact for output voltage OK | | solid-state (max. 60 V DC, 0.3 A) |
| Minimum fuse rating to achieve short-circuit protection | | M 60 V DC, m 0.3 A fast-acting |
| Output circuit - No-load, overload and short-circuit behavior: | | |
| Efficiency | | typ. 90% |
| Duty time | | 100% |
| Dimensions (W x H x D) | | 89 x 124 x 118.8 mm |
| | | [3.5 x 4.88 x 4.68 in] |
| Weight | | 1.045 kg (2.30 lb) |
| Material of housing | | Metal |
| Mounting | | DIN rail (IEC/EN 60715), snap-on mounting without any tool |
| Mounting position | | horizontal |
| Degree of protection housing / terminals | | IP20 / IP20 |
| Electrical connection - input circuit / output circuit: | | |
| Wire size fine-strand with wire end ferrule | fine-strand with wire end ferrule | 0.2-4 mm ² (24-11 AWG) |
| | fine-strand without wire end ferrule | 0.2-6 mm ² (24-10 AWG) |
| | rigid | 0.2-6 mm ² (24-10 AWG) |
| Stripping length | | 8 mm (0.31 in) |

| Environmental Data | | |
|---|---------------------|---|
| Ambient temperature range | operation | -40...+70 °C |
| | rated load | -40...+70 °C |
| | storage | -40...+85 °C |
| Damp heat (cyclic) | (IEC/EN 60068-2-30) | 95 % without condensation |
| Shock (half-sine) | (IEC/EN 60068-2-27) | Half sine wave, 15G, 11 ms, 3 axes, 6 Faces, 3 times for each face |
| Vibration (sinusoidal) | (IEC/EN 60068-2-6) | 10-500 Hz, 2G, each along X, Y, Z axes 6 min / cycle |
| Standards | | |
| Product standard | | EN 61204-3 |
| Low Voltage Directive | | 2006/95/EN |
| EMC directive | | 2004/108/EN |
| RoHS directive | | 2002/95/EN |
| Electrical safety | | EN 60950-1, UL 60950-1, UL 508, EN 61558-1, EN 61558-2-17; EN 60204-1 |
| Electromagnetic Compatibility | | |
| Interference immunity to: | | IEC/EN 61000-6-2 |
| Electrostatic discharge | IEC/EN 61000-4-2 | Level 4 (air discharge 15 kV / contact discharge 8 kV) |
| Radiated, radio-frequency, electromagnetic field IEC/EN | IEC/EN 61000-4-3 | Level 3 (10 V/m) |
| Electrical fast transient/burst | IEC/EN 61000-4-4 | Level 4 (4 kV / 5 kHz) |
| Surge | IEC/EN 61000-4-5 | L-L Level 3 (2 kV) / L-PE Level 4 (4 kV) |
| Conducted disturbances, induced by radio-frequency fields | IEC/EN 61000-4-6 | Level 3 (10 Vrms) |

| | | |
|---|------------------------|-----------------------------------|
| Power frequency magnetic fields | IEC/EN 61000-4-6 | Level 4 (30 A/m) |
| Voltage dips, short interruptions and voltage variations | IEC/EN 61000-4-6 | dips: >95 % 0.5 ms / >30 % 0.5 ms |
| | | interruptions: >95 % 250 ms |
| Interference emission | | IEC/EN 61000-6-3 |
| High-frequency radiated | IEC/CISPR 22, EN 55022 | Class B |
| IEC/CISPR 22, EN 55022 | IEC/CISPR 22, EN 55022 | Class B |
| Limits for harmonic current emissions | | Class A |

Electrical and Electronic Wire & Cable • Enterprise Cabling & Security Solutions • OEM Supply – Fasteners
Anixter Inc. World Headquarters • 2301 Patriot Boulevard, Glenview, IL 60026-8020 • 1.800.ANIXTER • 224.521.8000 • anixter.com

Anixter is a leading global distributor of enterprise cabling and security solutions, electrical and electronic wire and cable, and OEM supply – fasteners and other small parts.

We reduce risk, complexity and cost from our customers' purchasing decisions, business processes and supply chains.

Anixter does not manufacture these products. Any product warranties are provided by the applicable manufacturers. Data and suggestions made are not to be construed as recommendations

to purchase or as authorizations to use any products in violation of any law or regulation. TO THE FULLEST EXTENT PERMITTED BY LAW,
ANIXTER DISCLAIMS ALL WARRANTIES, EITHER EXPRESS OR IMPLIED. ANIXTER MAKES NO WARRANTY OR REPRESENTATION, EXPRESS OR IMPLIED,
ABOUT THE ACCURACY OR COMPLETENESS OF ANY INFORMATION PROVIDED.