Product data sheet

Specifications

External power supply module, input voltage 110VAC to 130VAC 50/60Hz, output voltage 24VDC, output current 1A

LV454443

Product availability: Stock - Normally stocked in distribution facility

Main

Product or Component Type	External power supply module
Device Application	Power supply
Range compatibility	Masterpact MasterPact MTZ Masterpact MasterPact NT Masterpact MasterPact NW ComPact ComPact NSX ComPact ComPact NSX DC ComPact ComPact NS630b...1600 ComPact ComPact NS1600b...3200 PowerPact PowerPact H PowerPact PowerPact J PowerPact PowerPact L PowerPact PowerPact P PowerPact PowerPact R
Accessory / Separate Part Type	Trip unit accessories Control units accessories

Complementary

Trip unit name	MicroLogic
Power supply type	Regulated switch mode
[Us] rated supply voltage	110...130 V AC 50/60 Hz +10 % -15 %
Input voltage limits	93.5...143 V AC 47.5…63 Hz
Output Voltage	24 V DC +/-5 %
Overvoltage category	IV conforming to IEC 62477-1 IV conforming to UL 61010-1
Power supply output current	1 A
Rated power in W	24 W
Output protection type	Against overload, protection technology: manual reset Against overvoltage, protection technology: 30...32 V, manual reset Against short-circuits, protection technology: manual reset Thermal, protection technology: automatic reset
Inrush current	20 A 2 ms
Efficiency	85 %
Power dissipation in W	4.2 W
Holding time	>= 20 ms 110...130 V AC
Permissible temporary current boost	1.5 A 200 ms)
Connections - terminals	Screw type terminals, connection capacity: 2 x 0.2...2 x 1.5 mm² 24 AWG...16 AWG Screw type terminals, connection capacity: 1 x 0.2...1 x 4 mm² 24 AWG...12 AWG
Mounting Support	35 x 7.5 mm symmetrical DIN rail

Price is “List Price” and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Operating position	Horizontal
Operating altitude	0...6561.68 ft (0...2000 m)
Name of test	Electrostatic discharges conforming to EN/IEC 61000-4-2 Induced electromagnetic field conforming to EN/IEC 61000-4-6 Magnetic field conforming to EN 61000-4-8 Primary outage conforming to IEC 61000-4-29 Radiated electromagnetic field conforming to EN/IEC 61000-4-3 Rapid transient conforming to IEC 61000-4-4 Surge conforming to EN/IEC 61000-4-5 Radiated emissions conforming to EN 61000-6-3 Conducted emissions on the power line conforming to EN 61000-6-3
Status LED	1 LED (Green) output voltage
Height	3.5 in (90 mm)
Width	4.3 in (108 mm)
Depth	2.7 in (67.5 mm)

Environment

Standards	UL 61010-1 IEC 62477-1
Marking	EAC CE UL
Environmental characteristic	EMC conforming to EN/IEC 61000-6-2 EMC conforming to EN/IEC 61000-6-3 Safety conforming to IEC 62477-1 Safety conforming to SELV
IP degree of protection	IP4X EN/IEC 60529 front face) IP2X EN/IEC 60529 connection terminals) IP3x EN/IEC 60529 housing)
Ambient air temperature for operation	-13…158 °F (-25…70 °C)
Ambient Air Temperature for Storage	-58…185 °F (-50…85 °C)
Relative Humidity	0…95 % during operation 0…95 % in storage
Dielectric strength	3000 V between input and ground 3000 V between input and output 1500 V between output and ground
Compatibility code	CB_EXTERNAL_POWERSUPPLY

Ordering and shipping details

Category	US10DE201103
Discount Schedule	0DE2
GTIN	3606481190956
Returnability	Yes
Country of origin	CN

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	3.0 in (7.5 cm)
Package 1 Width	4.4 in (11.3 cm)
Package 1 Length	5.0 in (12.6 cm)

Package weight(Lbs)	13.5 oz (384.0 g)
Unit Type of Package 2	S03
Number of Units in Package 2	23
Package 2 Height	11.8 in (30.0 cm)
Package 2 Width	11.8 in (30.0 cm)
Package 2 Length	15.7 in (40.0 cm)
Package 2 Weight	19.978 lb(US) (9.062 kg)

Contractual warranty

Warranty (in months)	18

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained

How we assess product sustainability

Environmental footprint

Total lifecycle Carbon footprint	**62 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**10 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**0.1 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**0.2 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**51 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**0.6 kg CO2 eq.**
Environmental Disclosure	**Product Environmental Profile**

Use Better

Materials and Substances

Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**No**
EU RoHS Directive	**Compliant**
REACh Regulation	**Free of Substances of Very High Concern above the threshold**
California proposition 65	**WARNING: This product can expose you to chemicals including: DINP, which is known to the State of California to cause cancer, and DIDP, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov**

Use Longer

Lifetime extension

Repair	**No**

Use Again

Repack and remanufacture

Recyclability potential, in %	**2**
Circularity Profile	**End of Life Information**
Take-back	**No**
WEEE Label	**The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.**