Product datasheet

Specifications

External power supply module, input voltage 200VAC to 240VAC 50/60Hz, output voltage 24VDC, output current 1A

LV454444

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	Control units accessories Trip unit accessories

Complementary

Trip Unit Name	MicroLogic
Power Supply Type	Regulated switch mode
[Us] Rated Supply Voltage	200...240 V AC 50/60 Hz tolerance: +10 % -15 %
Input Voltage Limits	170...264 V AC at 47.5…63 Hz
Output Voltage	24 V DC +/-5 %
Overvoltage Category	IV conforming to IEC 62477-1 III 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 200...240 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 AWG 24...AWG 16 Screw type terminals, connection capacity: 1 x 0.2...1 x 4 mm² AWG 24...AWG 12
Mounting Support	35 x 7.5 mm symmetrical DIN rail

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...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 61000-4-11 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	90 mm
Width	108 mm
Depth	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 (front face) conforming to EN/IEC 60529 IP2X (connection terminals) conforming to EN/IEC 60529 IP3x (housing) conforming to EN/IEC 60529
Ambient Air Temperature For Operation	-25…70 °C
Ambient Air Temperature For Storage	-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

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	7.5 cm
Package 1 Width	11.1 cm
Package 1 Length	12.7 cm
Package 1 Weight	370.0 g
Unit Type Of Package 2	S03
Number Of Units In Package 2	23
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm

Package 2 Weight	8.95 kg
Unit Type Of Package 3	P12
Number Of Units In Package 3	552
Package 3 Height	105.0 cm
Package 3 Width	80.0 cm
Package 3 Length	120.0 cm
Package 3 Weight	226.8 kg

Contractual warranty

Warranty	18 months

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO_2 products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >

Transparency RoHS/REACh

Well-being performance

Reach Free Of Svhc	
Toxic Heavy Metal Free	
Mercury Free	
Rohs Exemption Information	Yes

Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant EU RoHS Declaration
China Rohs Regulation	China RoHS declaration Pro-active China RoHS declaration (out of China RoHS legal scope)
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information