Product datasheet

Specifications





external power supply module, input voltage 48 V DC to 60 V DC, output voltage 24 V DC, output current 1 A

LV454441

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 NS630b1600
	ComPact ComPact NS1600b3200
	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

Complementary		
Trip Unit Name	MicroLogic	
Power Supply Type	Regulated switch mode	
[Us] Rated Supply Voltage	4860 V DC tolerance: +/- 20 %	
Input Voltage Limits	38.472 V DC	
Output Voltage	24 V DC +/-5 %	
Overvoltage Category	III 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: 3032 V, manual reset Against short-circuits, protection technology: manual reset Thermal, protection technology: automatic reset	
Inrush Current	20 A 2 ms	
Efficiency	80 %	
Power Dissipation In W	4.5 W	
Holding Time	>= 20 ms 4860 V DC	
Permissible Temporary Current Boost	rrent 1.5 A (200 ms)	
Connections - Terminals	Screw type terminals, connection capacity: 2 x 0.22 x 1.5 mm² AWG 24AWG 16 Screw type terminals, connection capacity: 1 x 0.21 x 4 mm² AWG 24AWG 12	
Mounting Support	35 x 7.5 mm symmetrical DIN rail	

Feb 19, 2024 Life Is On Schneider

Operating Position	ng Position Horizontal	
Operating Altitude	02000 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	90 mm	
Width	108 mm	
Depth	oth 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	-2570 °C	
Ambient Air Temperature For Storage	-5085 °C	
Relative Humidity	095 % during operation 095 % in storage	
Dielectric Strength	3680 V between input and ground 3680 V between input and output 1840 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	11.0 cm
Package 1 Length	12.5 cm
Package 1 Weight	414.0 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

9.9 kg

Contractual warranty

Warranty

18 months

Sustainability Green Premium*

Green PremiumTM label is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ 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	
②	Toxic Heavy Metal Free	
②	Mercury Free	
②	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
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	End of Life Information