

External power supply module, input voltage 24VDC to 30VDC, output voltage 24VDC, output current 1A

LV454440

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	
	Trin unit accessories	

Complementary

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Trip unit name	MicroLogic	
Power supply type	Regulated switch mode	
[Us] rated supply voltage	2430 V DC tolerance: +/- 20 %	
Input voltage limits	19.236 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	40 A 2 ms	
Efficiency	80 %	
Power dissipation in W	4.5 W	
Holding time	>= 20 ms 2430 V DC	
Permissible temporary current boost	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	

Operating 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	67.5 mm	

Environment

Standards	UL 61010-1 IEC 62477-1	
Marking	EAC UL CE	
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 cm
Package 1 Length	12.5 cm
Package 1 Weight	414 g
Unit Type of Package 2	S03
Number of Units in Package 2	23
Package 2 Height	30 cm
Package 2 Width	30 cm
Package 2 Length	40 cm

Package 2 Weight

9.8 kg

Contractual warranty

Warranty

18 months



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	67
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	REACh Declaration
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 Again

○ Repack and remanufacture	
End of life manual availability	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