



Product designation

Product type designation

Switching power
supplies
PSL3

Input characteristics

Input type

Three-phase

Rated supply voltage AC

VAC

Multivoltage
400...500

Operating range

AC

min	VAC	340
Max	VAC	575

DC

min	VDC	480
Max	VDC	820

Rated frequency

Hz 50/60

Operational frequency

min	Hz	47
max	Hz	63

Current consumption Max

mA 850

PFC

0.55

Insulation voltage Input/Output

AC	VAC	3000
DC	VAC	4242

Internal fuse (250VAC)

T2A 600VAC

Output characteristics

Rated output voltage DC

VDC 24

Voltage trimming (potentiometer) DC

min	VDC	22.5
Max	VDC	28.5

Rated output current

A 10

Rated output power

W 240

Temperature coefficient

%/°C ±0.03

Line adjustment

% ±1

Load adjustment

% ±1

Efficiency

% 90

Overload protection

120...140%

Short-circuit protection

Hiccup

Ripple & noise

mV 100

Parallel connection

Nr. 2

Indications

LED indicator for power on

Yes

LED indicator for low voltage

Yes

Power Rdy (Ready - minimum limit)

Yes

Connections

Terminals type

Screw

Ambient conditions

Temperature

Operating temperature

min	°C	-40
max	°C	+71

Storage temperature

min	°C	-40
max	°C	+85

Derating

%/°C	2.5%/°C above 60°C
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Housing

Material

Metal

IEC degree of protection

IP20

Dimensions (W x H x D)

mm 89 x 124 x 118.8

Weight

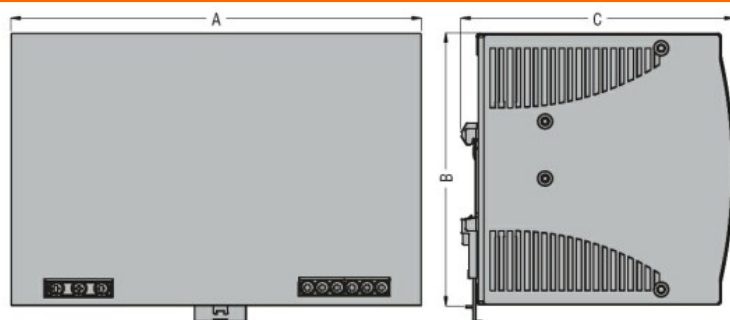
g 1190

Installations

Mounting

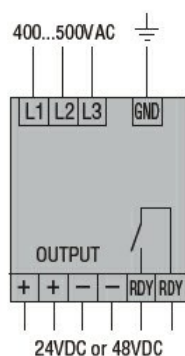
On 35mm DIN
rail

Dimensions



TYPE	A	B	C
PSL1 120...	64 (2.52")	124.5 (4.90")	123.6 (4.87")
PSL1 240...	83.5 (3.29")	124.5 (4.90")	123.6 (4.87")
PSL1 300...	83.5 (3.29")	124.5 (4.90")	123.6 (4.87")
PSL1 480...	175.5 (6.91")	124.5 (4.90")	123.6 (4.87")
PSL3 120 24	74.3 (2.92")	124 (4.88")	118.8 (4.68")
PSL3 240...	89 (3.50")	124 (4.88")	118.8 (4.68")
PSL3 480...	150 (5.90")	124 (4.88")	118.8 (4.68")
PSL3 960...	275.8 (10.86")	125.9 (4.96")	120.3 (4.74")

Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n°14

IEC/EN/BS 61000-6-2

IEC/EN/BS 61000-6-3

IEC/EN/BS 62368-1

UL 508

Certificates

cULus

EAC

RCM

ETIM classification

ETIM 8.0

EC002540 - DC-
power supply