



Product designation			Switching power supplies
Product type designation			PSL3
Input characteristics			
Input type			Three-phase
Rated supply voltage AC		VAC	Multivoltage 400500
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
Rated output voltage DC Voltage trimming (potentiometer) DC			
	min	VDC	22.5
Voltage trimming (potentiometer) DC	min Max	VDC VDC	22.5 28.5
Voltage trimming (potentiometer) DC Rated output current		VDC VDC A	22.5 28.5 10
Voltage trimming (potentiometer) DC Rated output current Rated output power		VDC VDC A W	22.5 28.5 10 240
Voltage trimming (potentiometer) DC Rated output current Rated output power Temperature coefficient		VDC VDC A W %/°C	22.5 28.5 10 240 ±0.03
Voltage trimming (potentiometer) DC Rated output current Rated output power Temperature coefficient Line adjustment		VDC VDC A W %/°C %	22.5 28.5 10 240 ±0.03 ±1
Voltage trimming (potentiometer) DC Rated output current Rated output power Temperature coefficient Line adjustment Load adjustment		VDC VDC A W %/°C %	22.5 28.5 10 240 ±0.03 ±1 ±1
Voltage trimming (potentiometer) DC Rated output current Rated output power Temperature coefficient Line adjustment Load adjustment Efficency		VDC VDC A W %/°C %	22.5 28.5 10 240 ±0.03 ±1 ±1 90
Voltage trimming (potentiometer) DC Rated output current Rated output power Temperature coefficient Line adjustment Load adjustment Efficency Overload protection		VDC VDC A W %/°C %	22.5 28.5 10 240 ±0.03 ±1 ±1 90 120140%
Voltage trimming (potentiometer) DC Rated output current Rated output power Temperature coefficient Line adjustment Load adjustment Efficency Overload protection Short-circuit protection		VDC VDC A W %/°C % %	22.5 28.5 10 240 ±0.03 ±1 ±1 ±1 90 120140% Hiccup
Voltage trimming (potentiometer) DC Rated output current Rated output power Temperature coefficient Line adjustment Load adjustment Efficency Overload protection Short-circuit protection Ripple & noise		VDC VDC A W %/°C % % % %	22.5 28.5 10 240 ±0.03 ±1 ±1 90 120140% Hiccup 100
Voltage trimming (potentiometer) DC Rated output current Rated output power Temperature coefficient Line adjustment Load adjustment Efficency Overload protection Short-circuit protection Ripple & noise Parallel connection		VDC VDC A W %/°C % %	22.5 28.5 10 240 ±0.03 ±1 ±1 ±1 90 120140% Hiccup
Voltage trimming (potentiometer) DC Rated output current Rated output power Temperature coefficient Line adjustment Load adjustment Efficency Overload protection Short-circuit protection Ripple & noise Parallel connection		VDC VDC A W %/°C % % % %	22.5 28.5 10 240 ±0.03 ±1 ±1 ±1 90 120140% Hiccup 100 2
Voltage trimming (potentiometer) DC Rated output current Rated output power Temperature coefficient Line adjustment Load adjustment Efficency Overload protection Short-circuit protection Ripple & noise Parallel connection Indications LED indicator for power on		VDC VDC A W %/°C % % % %	22.5 28.5 10 240 ±0.03 ±1 ±1 ±1 90 120140% Hiccup 100 2 Yes
Voltage trimming (potentiometer) DC Rated output current Rated output power Temperature coefficient Line adjustment Load adjustment Efficency Overload protection Short-circuit protection Ripple & noise Parallel connection Indications LED indicator for power on LED indicator for low voltage		VDC VDC A W %/°C % % % %	22.5 28.5 10 240 ±0.03 ±1 ±1 90 120140% Hiccup 100 2 Yes Yes
Voltage trimming (potentiometer) DC Rated output current Rated output power Temperature coefficient Line adjustment Load adjustment Efficency Overload protection Short-circuit protection Ripple & noise Parallel connection Indications LED indicator for power on LED indicator for low voltage Power Rdy (Ready - minimum limit)		VDC VDC A W %/°C % % % %	22.5 28.5 10 240 ±0.03 ±1 ±1 ±1 90 120140% Hiccup 100 2 Yes
Voltage trimming (potentiometer) DC Rated output current Rated output power Temperature coefficient Line adjustment Load adjustment Efficency Overload protection Short-circuit protection Ripple & noise Parallel connection Indications LED indicator for power on LED indicator for low voltage		VDC VDC A W %/°C % % % %	22.5 28.5 10 240 ±0.03 ±1 ±1 90 120140% Hiccup 100 2 Yes Yes

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



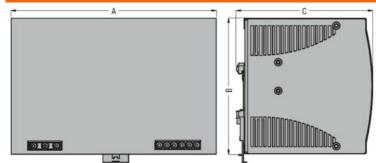
Ambient conditions

Temperature

romporataro				
	Operating temperature			
		min	°C	-40
		max	°C	+71
	Storage temperature			
		min	°C	-40
		max	°C	+85
Derating			%/°C	2.5%/°C above 60°C
Housing				
Material				Metal
IEC degree of prote	ection			IP20
Dimensions (W x H	x D)		mm	89 x 124 x 118.8
Weight			g	1190
Installations				
Mounting				On 35mm DIN

Mounting

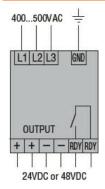
Dimensions



TYPE	A	В	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")

rail

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	

PSL324024



ETIM 8.0

EC002540 - DCpower supply