



Product type designation PSL1 Input type Input type Rated supply voltage AC VAC Multivoltage AC	Product designation			Switching power supplies
Input characteristics Input type Rated supply voltage AC VAC Multivoltage AC	Product type designation			
Input type         Single-phase           Rated supply voltage AC         VAC         Multivoltage           Operating range         AC         min         VAC         90           Max         VAC         264         DC         Max         VAC         264           DC         min         VAC         264         DC         DC         Total State Sta				
Act         v.c.         100240           Operating range         AC         min         VAC         90           Max         VAC         264         264           DC         min         VAC         264           DC         min         VDC         120           Max         VDC         375         375           Rated frequency         Hz         50/60         50/60           Operational frequency         min         Hz         50/60           Operational frequency         min         Hz         63           Current consumption Max         mA         300         1nsulation voltage Input/Output           AC         VAC         3000         DC         VAC         3000           Internal fuse (250VAC)         TZA 250VAC         TZA 250VAC         Output characteristics         Taxet doutput voltage DC         VDC         24           Voltage trimming (potentiometer) DC         min         VDC         21.6         Max         VDC         28.8           Rated output current         A         0.42         10.1         10         10         10         10         10         10         10         10         10         10         <				Single-phase
AC         min         VAC         90           Max         VAC         264           DC         min         VDC         120           Max         VDC         375         Rated frequency         Hz         50/60           Operational frequency         min         Hz         50/60         0           Operational frequency         min         Hz         63         0           Current consumption Max         mA         300         0         0           Insulation voltage Input/Output         AC         VAC         3000         0         0         0         VAC         4242         0			VAC	Multivoltage
min         VAC         90 Max           DC         min         VDC         120 Max           Max         VDC         120 Max         VDC         375           Rated frequency         Hz         50/60         Operational frequency         Hz         50/60           Operational frequency         min         Hz         47         max         Hz         63           Current consumption Max         mA         300         Insulation voltage Input/Output         MA         300           Insulation voltage Input/Output         AC         VAC         3000         DC         VAC         4242           Internal fuse (250VAC)         T2A 250VAC         T2A 250VAC         Output characteristics         T2A 250VAC           Output characteristics         min         VDC         24         VOC         24           Voltage trimming (potentiometer) DC         min         VDC         21.6 Max         VDC         28.8           Rated output outrage DC         VDC         24.8         VDC         28.8           Rated output power         W         10         VDC         21.6           Internal quistment         %         11         Load adjustment         %         12	Operating range			
Max         VAC         264           DC         min         VDC         120           Max         VDC         375           Rated frequency         Hz         50/60           Operational frequency         min         Hz         50/60           Operational frequency         min         Hz         63           Current consumption Max         mA         300         Insulation voltage Input/Output           AC         VAC         3000         DC         VAC         4242           Internal fuse (250VAC)         T2A 250VAC         T2A 250VAC         Output characteristics         Rated output voltage DC         VDC         21.6           Max         VDC         21.6         Max         VDC         21.6           Max         VDC         21.6         Max         VDC         28.8           Rated output voltage DC         VDC         21.6         Max         VDC         28.8           Rated output current         A         0.42         A         0.42         A         0.42           Ine adjustment         %         ±1         Load adjustment         %         ±2         Efficency         %         11         Load adjustment         % </td <td>AC</td> <td></td> <td></td> <td></td>	AC			
DC         min         VDC         120           Max         VDC         375           Rated frequency         Hz         50/60           Operational frequency         min         Hz         47           max         Hz         47           max         Hz         63           Current consumption Max         mA         300           Insulation voltage Input/Output         AC         VAC         3000           DC         VAC         3000         DC         VAC         4242           Internal fuse (250VAC)         T2A 250VAC         T2A 250VAC         Output voltage DC         VDC         24           Voltage trimming (potentiometer) DC         min         VDC         24.         VDC         28.8           Rated output voltage DC         VDC         24.         VDC         28.8         Rated output power         W         10           Temperature coefficient         %/°C         4.0.3         4.1         10         10           Ine adjustment         %         ±1         10.0.0145%         50         110145%         50           Short-circuit protection         Hiccup         mix         50         110145%         50		min	VAC	90
min         VDC         120           Rated frequency         Hz         50/60           Operational frequency         min         Hz         63           Current consumption Max         mA         300           Insulation voltage Input/Output         AC         VAC         3000           Insulation voltage Input/Output         AC         VAC         3000           DC         VAC         4242         T2A 250VAC           Output characteristics         T2A 250VAC         Output characteristics         T2A 250VAC           Output characteristics         min         VDC         21.6         Max         VDC         21.6           Max         VDC         21.6         Max         VDC         28.8         28.8           Rated output current         A         0.42         28.8         28.8         24.2         25.0         26.3         26.3         26.3         26.3		Max	VAC	264
Max         VDC         375           Rated frequency         Hz         50/60           Operational frequency         min         Hz         47           max         Hz         63           Current consumption Max         mA         300           Insulation voltage Input/Output         AC         VAC         3000           DC         VAC         3000         DC         VAC         4242           Internal fuse (250VAC)         TA 250VAC         TA 250VAC         Output characteristics         Rated output voltage DC         VDC         24           Voltage trimming (potentiometer) DC         min         VDC         21.6         Max         VDC         28.8           Rated output current         A         0.42         Rated output power         W         10           Temperature coefficient         %/*C         ±0.03         11         Load adjustment         %         ±2         Efficency         %         76           Overload protection         Miccup         Miccup         No         No         No           Internallel connection         Nr.         No         No         No         No           Internal fuse (04pt vintage         Yes         Yes	DC			
Rated frequency     Hz     50/60       Operational frequency     min     Hz     47       max     HZ     63       Current consumption Max     mA     300       Insulation voltage Input/Output     max     mA       AC     VAC     3000       DC     VAC     4242       Internal fuse (250VAC)     T2A 250VAC       Output characteristics     T2A 250VAC       Output characteristics     min       Rated output voltage DC     VDC       Voltage trimming (potentiometer) DC     min       Max     VDC     21.6       Max     VDC     28.8       Rated output current     A     0.42       Rated output power     W     10       Temperature coefficient     %/°C     ±0.03       Line adjustment     %     ±1       Load adjustment     %     ±2       Efficency     %     76       Overload protection     110145%       Short-circuit protection     Nr       Ripple & noise     mV       Parallel connection     Nr       Indicator for low voltage     Yes       LED indicator for low voltage     Yes       Power Rdy (Ready - minimum limit)     No       Connections		min	VDC	120
Operational frequency       min       Hz       47         max       Hz       63         Current consumption Max       mA       300         Insulation voltage Input/Output       AC       VAC       3000         DC       VAC       3000       DC       VAC       4242         Internal fuse (250VAC)       T2A 250VAC       T2A 250VAC         Output characteristics       min       VDC       24         Voltage trimming (potentiometer) DC       min       VDC       21.6         Max       VDC       28.8       Rated output current       A       0.42         Rated output power       W       10       Temperature coefficient       %/*C       ±0.03         Line adjustment       %       ±1       Load adjustment       %       ±2         Efficency       %       76       Overload protection       110145%         Parallel connection       Nr.       No       Indicator for low voltage       Yes         LED indicator for low voltage       Yes       Yes       EED indicator for low voltage       Yes         Power Rdy (Ready - minimum limit)       No       No       Connections       No		Max	VDC	375
min         Hz         47           max         Hz         63           Current consumption Max         mA         300           Insulation voltage Input/Output         AC         VAC         3000           DC         VAC         3000         DC         VAC         4242           Internal fuse (250VAC)         T2A 250VAC         VDC         24           Output characteristics         Rated output voltage DC         VDC         24           Voltage trimming (potentiometer) DC         min         VDC         28.8           Rated output current         A         0.42         Rated output power         W         10           Temperature coefficient         %/*C         ±0.03         Line adjustment         %         ±1           Load adjustment         %         ±2         Efficency         %         76           Overload protection         Hiccup         Hiccup         Ripple & noise         mV         50           Parallel connection         Nr.         No         Indicator for power on         Yes         LED indicator for low voltage         Yes           LED indicator for low voltage         Yes         Yes         No         Connections         No	Rated frequency		Hz	50/60
max         Hz         63           Current consumption Max         mA         300           Insulation voltage Input/Output         AC         VAC         3000           DC         VAC         4242         1           Internal fuse (250VAC)         T2A 250VAC         T2A 250VAC           Output characteristics         T2A 250VAC         VDC         24           Voltage trimming (potentiometer) DC         min         VDC         21.6           Max         VDC         28.8         10         10           Temperature coefficient         %/°C         ±0.03         110           Line adjustment         %         ±1         10         10           Load adjustment         %         ±2         10         10         110145%           Short-circuit protection         mV         50         Parallel connection         No         No           Indications         mV         50         Parallel connection         Yes         12           LED indicator for power on         Yes         Yes         12         12           LED indicator for low voltage         Yes         Yes         12         12           Efficency         %         50	Operational frequency			
Current consumption Max       mA       300         Insulation voltage Input/Output       AC       VAC       3000         DC       VAC       3000       DC       VAC       4242         Internal fuse (250VAC)       T2A 250VAC       T2A 250VAC         Output characteristics       WDC       24         Rated output voltage DC       VDC       24         Voltage trimming (potentiometer) DC       min       VDC       21.6         Max       VDC       28.8         Rated output power       W       10       Temperature coefficient         Line adjustment       %/°C       ±0.03       1         Load adjustment       %       ±1       1         Load adjustment       %/%       ±2       2         Efficency       %/6       76       10         Overload protection       110145%       Short-circuit protection       110145%         Short-circuit protection       Nr.       No       No         ILED indicator for power on       Yes       Yes         LED indicator for power on       Yes       Yes         LED indicator for low voltage       Yes       Yes         Power Rdy (Ready - minimum limit)       No		min	Hz	47
Insulation voltage Input/Output       AC       VAC       3000         DC       VAC       4242         Internal fuse (250VAC)       T2A 250VAC         Output characteristics       T2A 250VAC         Rated output voltage DC       VDC       24         Voltage trimming (potentiometer) DC       min       VDC       21.6         Max       VDC       28.8         Rated output current       A       0.42         Rated output power       W       10         Temperature coefficient       %/°C       ±0.03         Line adjustment       %       ±1         Load adjustment       %       ±2         Efficency       %       76         Overload protection       110145%         Short-circuit protection       Mr.         Ripple & noise       mV       50         Parallel connection       Nr.       No         Indicator for low voltage       Yes         LED indicator for low voltage       Yes         Power Rdy (Ready - minimum limit)       No         Connections       Screw		max	Hz	63
AC DCVAC VAC3000 DCDCVAC4242Internal fuse (250VAC)T2A 250VACOutput characteristicsT2A 250VACRated output voltage DCVDC24Voltage trimming (potentiometer) DCmin MaxVDC21.6 MaxMaxVDC28.8ARated output currentA0.42ARated output powerW10Temperature coefficient%/°CLine adjustment%±1Load adjustment%Load adjustment%110145%Short-circuit protection110145%Short-circuit protectionMV50Parallel connectionNr.IdeationsMV50Parallel connectionYesLED indicator for power onYesYesPower Rdy (Ready - minimum limit)NoConnectionsTerminals typeScrewScrewScrew	Current consumption Max		mA	300
DCVAC4242Internal fuse (250VAC)T2A 250VACOutput characteristicsT2A 250VACRated output voltage DCVDC24Voltage trimming (potentiometer) DCminVDC21.6MaxVDC28.8Rated output currentA0.42Rated output powerW1010Temperature coefficient%/°C±0.03110Line adjustment%±110Load adjustment%±2110145%Short-circuit protectionH1ccupFliccupFliccupRipple & noisemV50110145%ILED indicator for power onYesYes10LED indicator for low voltageYesYesPower Rdy (Ready - minimum limit)NoNoConnectionsYesScrew	Insulation voltage Input/Output			
Internal fuse (250VAC)       T2A 250VAC         Output characteristics       VDC       24         Rated output voltage DC       VDC       21.6         Voltage trimming (potentiometer) DC       min       VDC       21.6         Max       VDC       28.8       Rated output current       A       0.42         Rated output power       W       10       Temperature coefficient       %/°C       ±0.03         Line adjustment       %       ±1       Load adjustment       %       ±2         Efficency       %       76       Overload protection       110145%         Short-circuit protection       mV       50       Parallel connection       Nr.       No         Indications       LED indicator for power on       Yes       Yes       Power Rdy (Ready - minimum limit)       No         Connections       Terminals type       Screw       Screw       Screw		AC	VAC	3000
Output characteristicsRated output voltage DCVDC24Voltage trimming (potentiometer) DCminVDC21.6MaxVDC28.8Rated output currentA0.42Rated output powerW10Temperature coefficient%/°C±0.03Line adjustment%±1Load adjustment%±2Efficency%76Overload protection110145%Short-circuit protectionHiccupRipple & noisemV50Parallel connectionNr.NoIndicationsYesLED indicator for power onYesLED indicator for low voltageYesPower Rdy (Ready - minimum limit)NoConnectionsNoTerminals typeScrew		DC	VAC	4242
Rated output voltage DCVDC24Voltage trimming (potentiometer) DCmin MaxVDC21.6 VDCMaxVDC28.8Rated output currentA0.42Rated output powerW10Temperature coefficient%/°C±0.03Line adjustment%±1Load adjustment%±2Efficency%76Overload protection110145%Short-circuit protectionMr50Parallel connectionNr.NoIndicator for power onYesLED indicator for power onYesLED indicator for low voltageYesPower Rdy (Ready - minimum limit)NoConnectionsScrew	Internal fuse (250VAC)			T2A 250VAC
Voltage trimming (potentiometer) DC       min       VDC       21.6         Max       VDC       28.8         Rated output power       A       0.42         Rated output power       W       10         Temperature coefficient       %/°C       ±0.03         Line adjustment       %       ±1         Load adjustment       %       ±2         Efficency       %       76         Overload protection       110145%         Short-circuit protection       Hiccup         Ripple & noise       mV       50         Parallel connection       Nr.       No         Indicator for power on       Yes       LED indicator for low voltage         LED indicator for low voltage       Yes       No         Power Rdy (Ready - minimum limit)       No       No         Connections       Screw       Screw	, , , , , , , , , , , , , , , , , , ,			
min MaxVDC VDC21.6 MaxRated output currentA0.42Rated output powerW10Temperature coefficient%/°C±0.03Line adjustment%±1Load adjustment%±2Efficency%76Overload protection110145%Short-circuit protectionHiccupRipple & noisemV50Parallel connectionNr.NoIndicationsLED indicator for power onYesLED indicator for low voltageYesPower Rdy (Ready - minimum limit)NoConnectionsTerminals typeScrew	Rated output voltage DC		VDC	24
min MaxVDC VDC21.6 MaxRated output currentA0.42Rated output powerW10Temperature coefficient%/°C±0.03Line adjustment%±1Load adjustment%±2Efficency%76Overload protection110145%Short-circuit protectionHiccupRipple & noisemV50Parallel connectionNr.NoIndicationsLED indicator for power onYesLED indicator for low voltageYesPower Rdy (Ready - minimum limit)NoConnectionsTerminals typeScrew	Voltage trimming (potentiometer) DC			
Rated output currentA0.42Rated output powerW10Temperature coefficient%/°C±0.03Line adjustment%±1Load adjustment%±2Efficency%76Overload protection110145%Short-circuit protectionHiccupRipple & noisemV50Parallel connectionNr.NoIndicationsYesLED indicator for power onYesLED indicator for low voltageYesPower Rdy (Ready - minimum limit)NoConnectionsTerminals typeScrewScrew		min	VDC	21.6
Rated output powerW10Temperature coefficient%/°C±0.03Line adjustment%±1Load adjustment%±2Efficency%76Overload protection110145%Short-circuit protectionHiccupRipple & noisemV50Parallel connectionNr.NoIndicationsLED indicator for power onYesLED indicator for low voltageYesYesPower Rdy (Ready - minimum limit)NoNoConnectionsTerminals typeScrew		Max	VDC	28.8
Rated output powerW10Temperature coefficient%/°C±0.03Line adjustment%±1Load adjustment%±2Efficency%76Overload protection110145%Short-circuit protectionHiccupRipple & noisemV50Parallel connectionNr.NoIndicationsYesLED indicator for power onYesLED indicator for low voltageYesPower Rdy (Ready - minimum limit)NoConnectionsYesTerminals typeScrew	Rated output current		Α	0.42
Temperature coefficient%/°C±0.03Line adjustment%±1Load adjustment%±2Efficency%76Overload protection110145%Short-circuit protectionHiccupRipple & noisemV50Parallel connectionNr.NoIndicationsLED indicator for power onYesLED indicator for low voltageYesYesPower Rdy (Ready - minimum limit)NoNoConnectionsTerminals typeScrew			W	10
Line adjustment%±1Load adjustment%±2Efficency%76Overload protection110145%Short-circuit protectionHiccupRipple & noisemV50Parallel connectionNr.NoIndicationsLED indicator for power onYesLED indicator for low voltageYesYesPower Rdy (Ready - minimum limit)NoNoConnectionsTerminals typeScrew			%/°C	±0.03
Load adjustment%±2Efficency%76Overload protection110145%Short-circuit protectionHiccupRipple & noisemV50Parallel connectionNr.NoIndicationsLED indicator for power onYesLED indicator for low voltageYesYesPower Rdy (Ready - minimum limit)NoNoConnectionsScrewScrew			%	±1
Efficency%76Overload protection110145%Short-circuit protectionHiccupRipple & noisemV50Parallel connectionNr.NoIndicationsIndicator for power onYesLED indicator for power onYesYesDever Rdy (Ready - minimum limit)NoNoConnectionsScrewScrew			%	±2
Overload protection110145%Short-circuit protectionHiccupRipple & noisemV50Parallel connectionNr.NoIndicationsIndicator for power onYesLED indicator for low voltageYesPower Rdy (Ready - minimum limit)NoConnectionsScrew				
Short-circuit protectionHiccupRipple & noisemV50Parallel connectionNr.NoIndicationsIndicator for power onYesLED indicator for low voltageYesPower Rdy (Ready - minimum limit)NoConnectionsTerminals typeScrew				
Ripple & noisemV50Parallel connectionNr.NoIndicationsIndicator for power onYesLED indicator for low voltageYesPower Rdy (Ready - minimum limit)NoConnectionsImage: ConnectionsTerminals typeScrew				
Parallel connection       Nr.       No         Indications       Indications       Ves         LED indicator for power on       Yes       Yes         LED indicator for low voltage       Yes       Yes         Power Rdy (Ready - minimum limit)       No       No         Connections       Terminals type       Screw			mV	·
IndicationsLED indicator for power onYesLED indicator for low voltageYesPower Rdy (Ready - minimum limit)NoConnectionsScrew				
LED indicator for power onYesLED indicator for low voltageYesPower Rdy (Ready - minimum limit)NoConnectionsImage: ConnectionsTerminals typeScrew				
LED indicator for low voltage       Yes         Power Rdy (Ready - minimum limit)       No         Connections       Terminals type				Yes
Power Rdy (Ready - minimum limit)     No       Connections     Terminals type       Screw     Screw				
Connections Terminals type Screw	Y			
Terminals type Screw				
				Screw

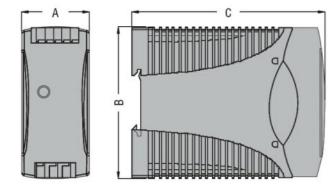
The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



## Temperature

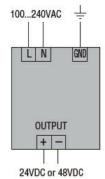
Operating temperature			
	min	°C	-20
	max	°C	+71
Storage temperature			
	min	°C	-25
	max	°C	+85
Derating		%/°C	2.5%/°C above 60°C
Housing			
Material			Plastic
IEC degree of protection			IP20
Dimensions (W x H x D)		mm	22.5 x 90 x 115
Weight		g	196
Installations			
Mounting			On 35mm DIN rail

## Dimensions



TYPE	A	В	С
PSL1 005 24	22.5 (0.88")	90 (3.54")	115 (4.53")
PSL1 010 24	22.5 (0.88")	90 (3.54")	115 (4.53")
PSL1 018 24	22.5 (0.88")	90 (3.54")	115 (4.53")
PSL1 030	40.5 (1.59")	90 (3.54")	115 (4.53")
PSL1 060	40.5 (1.59")	90 (3.54")	115 (4.53")
PSL1 100	54 (2.12")	90 (3.54")	115 (4.53")
PSL2 100	54 (2.12")	90 (3.54")	115 (4.53")
PSLR 20 24	54 (2.12")	90 (3.54")	115 (4.53")

## Wiring diagrams



Certificatio	ons and compliance	
Compliand	ce de la constante de la const	
	CSA C22.2 n°14	
	IEC/EN/BS 61000-6-2	
	IEC/EN/BS 61000-6-3	
	IEC/EN/BS 62368-1	
	UL 508	
Certificate	S	
	cULus	
	EAC	
	RCM	
ETIM clas	sification	
PSL101024	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	2/3



ETIM 8.0

EC002540 - DCpower supply