

supplies supplies supplies supplies product type designation PSL1 input characteristics PSL2 input type PSC intervention in the intervention in	Product designation			Switching power
Input characteristics Input type Single-phase Rated supply voltage AC A	-			supplies
Input type Single-phase Rated supply voltage AC VAC Self-configurable Operating range AC min VAC 90 Max VAC 284 DC Max VAC 284 DC min VDC 120 Max VDC 375 Rated frequency Hz 50/60 Operational frequency Hz 63 Operational frequency max HZ 63 AC SolvOC) Current consumption Max mA 7A (90/AC) / 3.5A (180/AC) SolvOC) SolvOC) PFC 0.97 Internal fuse (250/AC) T10A 250/AC Output characteristics Rated output voltage Input/Output AC VDC 24 Voltage trimming (potentiometer) DC min VDC 24 Voltage trimming (potentiometer) DC Mink VDC 22.5 Max VDC 24.5 SolvAC SolvAC <td></td> <td></td> <td></td> <td>PSL1</td>				PSL1
Rated supply voltage AC VAC Self-configurable 115230 Operating range AC min VAC 264 DC Max VAC 264 DC min VDC 120 Max VDC 375 Rated frequency Hz 50/60 Operational frequency min Hz 63 Current consumption Max mA 7A (90/VAC) / 3.5A (180/VAC) 0.97 Insulation voltage Input/Output AC VAC 3000 DC 0.97 0.97 Insulation voltage Input/Output AC VAC Act vAC 3000 DC Output characteristics min VDC 24 Voltage trimming (potentiometer) DC min VDC 24.5 Max VDC 22.5 Max VDC Rated output current A 20 20 Rated output power W 480 1 Temperature coefficient %/*C 0.03 10.5 Load adjustment % 4.1 25 Load adjustment % 89 0 Overload protection Fold forward 7 Ripdle & noise mV <td></td> <td></td> <td></td> <td>Qia ale a h e e e</td>				Qia ale a h e e e
Act min VAC 90 Max VAC 356 Operational frequency min VDC Operational frequency min Hz 50/60 Operational frequency min Hz 47 max Hz 63 0 0 Current consumption Max mA 7A (90/AC) / 3.5A (180/AC) 0.97 Insulation voltage Input/Output AC VAC 3000 DC VAC 3000	Input type			
AC min VAC 90 Max VAC 264 DC Max VDC 120 Max VDC 375 Rated frequency Hz 50/60 Operational frequency min Hz 50/60 Ourrent consumption Max mA 7A (90/VAC) / 3.5A (180VAC) PFC 0.97 3.5A (180VAC) PFC 0.97 Internal fuse (250VAC) T10A 250VAC 0.97 Insulation voltage Input/Output AC VAC 3000 DC VAC 4242 Internal fuse (250VAC) T10A 250VAC T10A 250VAC Output characteristics Rated output voltage DC VDC 24 Voltage trimming (potentiometer) DC Max VDC 28.5 Rated output power W 480 Temperature coefficient %/ *C 40.3 Line			VAC	
min VAC 90 DC min VAC 264 DC min VDC 120 Max VDC 375 Rated frequency Hz 50/60 Operational frequency min Hz 47 Current consumption Max mA 7A (90/AC) / 3.5A (180/AC) 3.5A (180/AC) PFC 0.97 0.97 0.97 Insulation voltage Input/Output AC VAC 3000 DC VAC 4242 110.4250/AC Output characteristics T10A 250/AC 0.97 Rated output voltage DC VDC 24 Voltage trimming (potentiometer) DC min VDC 22.5 Max VDC 28.5 10.03 110.140% Lead output current A 20 20 21.5 Rated output courrent % 40.5 10.03 110140% Line adjustment % 40.5 10.03 110140% Short-circuit protection				
Max VAC 264 DC min VDC 120 Max VDC 375 Rated frequency Hz 50/60 Operational frequency min Hz 47 max Hz 63 63 Current consumption Max mA 7A (90/VAC) / 3.5A (180/VAC) 3.5A (180/VAC) PFC 0.97 0.97 0.97 Insulation voltage Input/Output AC VAC 3000 DC VAC 3000 DC VAC Output characteristics T10A 250VAC T10A 250VAC VAC Output characteristics min VDC 24 Voltage trimming (potentiometer) DC min VDC 28.5 Rated output voltage DC VDC 28.5 S Rated output power A 20 Rated output power W 480 Temperature coefficient %//C 40.03 S S S Load adjustment % 11 S <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 63 120 Current consumption Max mA 7A (90VAC) / 3.5A (180VAC) 3.5A (180VAC) PFC 0.97 0.97 110A 250VAC Insulation voltage Input/Output AC VAC 3000 DC VAC 3000 DC VAC 4242 Internal fuse (250VAC) T10A 250VAC T10A 250VAC Output characteristics Rated output voltage DC VDC 24 VDC 28.5 Rated output current A 20 Rated output power W 480 Temperature coefficient %/°C 40.3 11 Efficiency 48.9 Overload protection 1010140% Short-circuit protection Fold forward 100 Ripple & noise mV 100 Parallel connection Nr. 3 Indicator for power on				
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Max VDC 375 Rated frequency Hz 50/60 Operational frequency min Hz 50/60 Ourrent consumption Max min Hz 47 max Hz 63 Current consumption Max mA 7A (90VAC) / 3.5A (180VAC) PFC 0.97 Insulation voltage Input/Output AC VAC 3000 DC VAC 3000 DC VAC 4242 Internal fuse (250VAC) T10A 250VAC T10A 250VAC Output characteristics Rated output voltage DC VDC 24 Voltage trimming (potentiometer) DC min VDC 22.5 Max VDC 28.5 Rated output voltage DC VDC 24.5 VOId 24 VOId age 20 Rated output power W 480 11 EI 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50	DC			4.0.0
Rated frequency Hz 50/60 Operational frequency min Hz 47 max Hz 63 Current consumption Max mA 7A (90VAC) / 3.5A (180VAC) PFC 0.97 Insulation voltage Input/Output AC VAC AC VAC 3000 DC VAC 4242 Internal fuse (250VAC) T10A 250VAC Output characteristics Taxeted output voltage DC Rated output voltage DC VDC 24 Voltage trimming (potentiometer) DC min VDC 28.5 Rated output power W 480 Temperature coefficient Line adjustment % ±0.5 Load adjustment Load adjustment % ±11 Efficency Overload protection T10140% Short-circuit protection Fold forward Ripple & noise mV 100 Parallel connection Nr. 3 Indicator for pow ron Yes Yes Yes Yes				
Operational frequencyminHz47maxHZ63Current consumption MaxmA7A (90VAC) / 3.5A (180VAC)PFC0.97Insulation voltage Input/OutputACVACACVAC3000 DCDCVAC4242Internal fuse (250VAC)T10A 250VACOutput characteristicsT10A 250VACRated output voltage DCVDC24Voltage trimming (potentiometer) DCminVDCMaxVDC28.5Rated output currentA20Rated output powerW480Temperature coefficient%/*C10.03Line adjustment%±1Efficency%89Overload protectionT10140%Short-circuit protectionNr.3Indicator for low voltageYesPower Rdy (Ready - minimum limit)Yes		Max		
$\begin{array}{c c c c c c c c c c c c c c c c c c c $			Hz	50/60
$\begin{array}{c c c c c c c c } max & Hz & 63 & & & & & & & & & & & & & & & & & $	Operational frequency			
Current consumption Max mA 7A (90VAC) / 3.5A (180VAC) PFC 0.97 Insulation voltage Input/Output AC VAC AC VAC 3000 DC VAC 4242 Internal fuse (250VAC) T10A 250VAC Output characteristics T10A 250VAC Qutput characteristics WDC Rated output voltage DC VDC Voltage trimming (potentiometer) DC min Max VDC Rated output current A Rated output power W Temperature coefficient %/°C Line adjustment % % ±0.5 Load adjustment % % ±1 Efficency % Overload protection T10140% Short-circuit protection Fold forward Ripple & noise mV 100 Parallel connection Nr. 3 Indicator for low voltage Yes Yes Power Rdy (Ready - minimum limit) Yes				
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ACVAC3000 DCVAC4242Internal fuse (250VAC)T10A 250VACOutput characteristicsRated output voltage DCVDC24Voltage trimming (potentiometer) DCminVDC22.5 MaxMaxVDC28.5Rated output currentA20Rated output powerW480Temperature coefficient%/ *C±0.5Load adjustment%±1Efficency%89Overload protection110140%Short-circuit protectionmV100Parallel connectionNr.3Indicator for power onYesLED indicator for low voltageYesPower Rdy (Ready - minimum limit)Yes	PFC			0.97
DCVAC4242Internal fuse (250VAC)T10A 250VACOutput characteristicsRated output voltage DCVDCRated output voltage DCVDC24Voltage trimming (potentiometer) DCminVDC22.5MaxVDC28.5Rated output currentA20Rated output powerW480Temperature coefficient%/°C±0.3Line adjustment%±0.5Load adjustment%±1Efficency%89Overload protection110140%Short-circuit protectionmV100Parallel connectionRipple & noisemV100Parallel connectionNr.3Indicator for power onYesLED indicator for low voltageYesLED indicator for low voltageYesYesYesYesYes	Insulation voltage Input/Output			
Internal fuse (250VAC) T10A 250VAC Output characteristics Rated output voltage DC VDC 24 Voltage trimming (potentiometer) DC min VDC 22.5 Max VDC 28.5 Rated output current A 20 Rated output power W 480 Temperature coefficient %/°C ±0.03 Line adjustment % ±0.5 Load adjustment % ±1 Efficency % 89 Overload protection 110140% Short-circuit protection Fold forward Ripple & noise mV 100 Parallel connection Nr. 3 Indications LED indicator for power on Yes LED indicator for low voltage Yes Power Rdy (Ready - minimum limit) Yes		AC	VAC	3000
Output characteristicsRated output voltage DCVDC24Voltage trimming (potentiometer) DCmin WDCVDC28.5Rated output currentA20Rated output powerW480Temperature coefficient%/°C±0.03Line adjustment%±0.5Load adjustment%±1Efficency%89Overload protection110140%Short-circuit protectionmV100Parallel connectionNr.3IndicationsVesLED indicator for power onYesDower Rdy (Ready - minimum limit)Yes		DC	VAC	4242
Rated output voltage DCVDC24Voltage trimming (potentiometer) DCminVDC22.5MaxVDC28.5Rated output currentA20Rated output powerW480Temperature coefficient%/°C±0.03Line adjustment%±0.5Load adjustment%±1Efficency%89Overload protection110140%Short-circuit protectionmV100Parallel connectionNr.3IndicationsYesLED indicator for power onYesLED indicator for low voltageYesPower Rdy (Ready - minimum limit)Yes	Internal fuse (250VAC)			T10A 250VAC
Voltage trimming (potentiometer) DCmin MaxVDC VDC 28.5Rated output currentA 20Rated output powerA 480Temperature coefficient%/°C ±0.03Line adjustment% ±0.5Load adjustment% ±1Efficency% 89Overload protection110140%Short-circuit protectionFold forwardRipple & noisemV 100Parallel connectionNr. YesLED indicator for power onYesLED indicator for low voltageYesPower Rdy (Ready - minimum limit)Yes	Output characteristics			
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MaxVDC28.5Rated output currentA20Rated output powerW480Temperature coefficient%/°C±0.03Line adjustment%±0.5Load adjustment%±1Efficency%89Overload protection110140%Short-circuit protectionFold forwardRipple & noisemV100Parallel connectionNr.3IndicationsLED indicator for power onYesLED indicator for low voltageYesYesPower Rdy (Ready - minimum limit)Yes	Voltage trimming (potentiometer) DC			
Rated output currentA20Rated output powerW480Temperature coefficient%/°C±0.03Line adjustment%±0.5Load adjustment%±1Efficency%89Overload protection110140%Short-circuit protectionFold forwardRipple & noisemV100Parallel connectionNr.3IndicationsLED indicator for power onYesLED indicator for low voltageYesYesPower Rdy (Ready - minimum limit)Yes		min	VDC	22.5
Rated output powerW480Temperature coefficient%/°C±0.03Line adjustment%±0.5Load adjustment%±1Efficency%89Overload protection110140%Short-circuit protectionFold forwardRipple & noisemV100Parallel connectionNr.3IndicationsLED indicator for power onYesLED indicator for low voltageYesPower Rdy (Ready - minimum limit)Yes		Max	VDC	28.5
Temperature coefficient%/°C±0.03Line adjustment%±0.5Load adjustment%±1Efficency%89Overload protection110140%Short-circuit protectionFold forwardRipple & noisemV100Parallel connectionNr.3IndicationsLED indicator for power onYesLED indicator for low voltageYesYesPower Rdy (Ready - minimum limit)Yes	Rated output current		А	20
Line adjustment%±0.5Load adjustment%±1Efficency%89Overload protection110140%Short-circuit protectionFold forwardRipple & noisemV100Parallel connectionNr.3IndicationsLED indicator for power onYesLED indicator for low voltageYesPower Rdy (Ready - minimum limit)Yes	Rated output power		W	480
Load adjustment%±1Efficency%89Overload protection110140%Short-circuit protectionFold forwardRipple & noisemV100Parallel connectionNr.3IndicationsLED indicator for power onYesLED indicator for low voltageYesPower Rdy (Ready - minimum limit)Yes	Temperature coefficient		%/°C	±0.03
Efficency%89Overload protection110140%Short-circuit protectionFold forwardRipple & noisemV100Parallel connectionNr.3IndicationsLED indicator for power onYesLED indicator for low voltageYesPower Rdy (Ready - minimum limit)Yes	Line adjustment			±0.5
Overload protection110140%Short-circuit protectionFold forwardRipple & noisemV100Parallel connectionNr.3IndicationsIndicator for power onYesLED indicator for low voltageYesPower Rdy (Ready - minimum limit)Yes	Load adjustment		%	±1
Short-circuit protectionFold forwardRipple & noisemV100Parallel connectionNr.3IndicationsIndicator for power onYesLED indicator for low voltageYesPower Rdy (Ready - minimum limit)Yes			%	89
Ripple & noisemV100Parallel connectionNr.3IndicationsIndicator for power onYesLED indicator for low voltageYesPower Rdy (Ready - minimum limit)Yes	Overload protection			110140%
Parallel connection Nr. 3 Indications Indications Indicator for power on Yes LED indicator for low voltage Yes Yes Power Rdy (Ready - minimum limit) Yes Yes	Short-circuit protection			Fold forward
Indications LED indicator for power on Yes LED indicator for low voltage Yes Power Rdy (Ready - minimum limit) Yes	Ripple & noise		mV	100
LED indicator for power onYesLED indicator for low voltageYesPower Rdy (Ready - minimum limit)Yes	Parallel connection		Nr.	3
LED indicator for low voltage Yes Power Rdy (Ready - minimum limit) Yes	Indications			
Power Rdy (Ready - minimum limit) Yes	LED indicator for power on			Yes
	LED indicator for low voltage			Yes
Connections				Yes
	Connections			

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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



ENERGY AND AUTOMATION

					Screw	/
Ambient condition	S					
Femperature						
	Operating temperature					
			min	°C	-40	
			max	°C	+71	
	Storage temperature					
			min	°C	-40	
			max	°C	+85	
Derating				%/°C		°C above
-				/0/ 0	56°C	
Housing						
Material					Metal	
EC degree of pro	otection				IP20	
Dimensions (W x	H x D)			mm		x 124.5 x
					125	
Veight				g	2348	
nstallations					-	
Vounting						5mm DIN
-					rail	
Dimensions						
-		TYPE	A		В	С
		PSL1 120	64 (2.52")		5 (4.90")	123.6 (4.87")
		PSL1 240 PSL1 300	83.5 (3.29' 83.5 (3.29'		5 (4.90") 5 (4.90")	123.6 (4.87")
	G .	PSL1 300	175.5 (6.91		5 (4.90")	123.6 (4.87") 123.6 (4.87")
		PSL3 120 24	74.3 (2.92)		4(4.88")	118.8 (4.68")
		PSL3 240	89 (3.50")		(4.88")	118.8 (4.68")
		PSL3 480	150 (5.90") 124	4 (4.88")	118.8 (4.68")
		PSL3 960	275.8 (10.86	6") 125.	9 (4.96")	120.3 (4.74")
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Viring diagrams						
Viring diagrams 115/230VAC 上						
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Wiring diagrams 115/230VAC III IIII IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII						
Wiring diagrams 115/230VAC III IIII IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII						
Wiring diagrams 115/230VAC	compliance					
Wiring diagrams 115/230VAC III IIII IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	compliance CSA C22.2 n°14 IEC/EN/BS 61000-6-2					
Wiring diagrams 115/230VAC III IIII IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	compliance <u>CSA C22.2 n°14</u> <u>IEC/EN/BS 61000-6-2</u> <u>IEC/EN/BS 61000-6-3</u>					
Wiring diagrams 115/230VAC III IIII IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	compliance <u>CSA C22.2 n°14</u> <u>IEC/EN/BS 61000-6-2</u> <u>IEC/EN/BS 61000-6-3</u> <u>IEC/EN/BS 62368-1</u>					
Aviring diagrams	compliance <u>CSA C22.2 n°14</u> <u>IEC/EN/BS 61000-6-2</u> <u>IEC/EN/BS 61000-6-3</u>					
Wiring diagrams 115/230VAC III IIII IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	CSA C22.2 n°14 IEC/EN/BS 61000-6-2 IEC/EN/BS 61000-6-3 IEC/EN/BS 61000-6-3 IEC/EN/BS 62368-1 UL 508					
Viring diagrams	Compliance CSA C22.2 n°14 IEC/EN/BS 61000-6-2 IEC/EN/BS 61000-6-3 IEC/EN/BS 61000-6-3 IEC/EN/BS 62368-1 UL 508 cULus					
Viring diagrams	CSA C22.2 n°14 IEC/EN/BS 61000-6-2 IEC/EN/BS 61000-6-3 IEC/EN/BS 61000-6-3 IEC/EN/BS 62368-1 UL 508					

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electric ALIMENTATION À DÉCOUPAGE MONOPHASE, FIXATION SUR DIN 100-240VAC/24VDC 480W

ENERGY AND AUTOMATION

ETIM classification

ETIM 8.0

EC002540 - DCpower supply