

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				
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		Max	VAC	264
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				
Current consumption MaxInA3.5Å (180VAC)PFC0.97Insulation voltage Input/OutputACVAC3000DCVAC3000DCVACQutput characteristicsT10A 250VACQutput characteristicsVDC24Voltage trimming (potentiometer) DCminVDC22.5MaxVDC28.5Rated output currentA20Rated output powerW480Temperature coefficient%/°C±0.03Line adjustment%±1Efficency%89Overload protection110140%Short-circuit protectionNr.3Indicator for power onYesLED indicator for power onYesLED indicator for low voltageYesPower Rdy (Ready - minimulimit)Yes		max	Hz	
Insulation voltage Input/Output       AC       VAC       3000         DC       VAC       4242         Internal fuse (250VAC)       T10A 250VAC         Output characteristics       T10A 250VAC         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       ±0.5         Load adjustment       %       ±1         Efficency       %       89         Overload protection       T10140%         Short-circuit protection       Fold forward         Ripple & noise       mV       100         Parallel connection       Nr.       3         Indicator for low voltage       Yes         LED indicator for low voltage       Yes	Current consumption Max		mA	
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			
min MaxVDC VDC22.5 28.5Rated output currentA20Rated output powerW480Temperature coefficient%/°C±0.03Line adjustment%±0.5Load adjustment%±1Efficency%89Overload protection110140%Short-circuit protectionFold forwardRipple & noisemV100Parallel connectionNr.3Indicator for power onYesLED indicator for low voltageYesPower Rdy (Ready - minimum limit)Yes	Rated output voltage DC		VDC	24
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	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