



SDN-P DIN Rail Series

The SDN DIN Rail power supplies provide industry leading performance. Sag Immunity, transient suppression and noise tolerant, the SDN series ensures compatibility in demanding applications. Power factor correction to meet European directives, hazardous location approvals and optional redundant accessories allow the SDN series to be used in a wide variety of applications. Wide operation temperature range, high tolerance to shock and vibration and reliable design make the SDN series the preferred choice of users everywhere.

Features

- Power Factor Correction (per EN61000-3-2)
- Auto Select 115/230 Vac, 50/60 Hz Input
- Single Phase models meet SEMI F47 Sag Immunity
- Class 1, Zone 2 Hazardous Locations
 - ATEX approval on 2.5 through 10A, 24 Vdc Single Phase Models
 - ATEX approval pending on 12 Vdc and 48 Vdc single phase models
- Improved metal mounting clip
- DC OK Signal
- Adjustable Voltage
- SDN10-24-100P New Compact width (3.26")
- Parallel Capability standard on all units
- Industrial grade design
 - -10°C to 60°C operation without derating.
 Indefinite short circuit, overvoltage and overtemperature protection.
 - Powers high inrush loads without shutdown or foldback
 - Rugged metal case and DIN connector
- SDN2.5-24-100P and SDN4-24-100LP meet NFC Class 2
- Narrow width on rail for space critical applications
- User-friendly front panel
 - Large, rugged, accessible, multiple connection screw terminations
 - Easy installation
- Broad range of product to fit almost any application – 2.5 A through 40 A, 24 Vdc
- Single and three phase inputs available
- 12 Vdc and 48 Vdc single phase models available
- Highly efficient >90% switching technology
- High MTBF and reliability
- RoHS compliant









Related Products

- SDPTM Series
- SFL Series
- SCP Series
- SCL Series
- SDU UPS

Applications

- Industrial/Machine Control
- Process Control
- Conveying Equipment
- Material Handling
- Vending Machines
- · Packaging Equipment
- DeviceNet™
- Amusement Park Equipment
- Semiconductor Fabrication Equipment

Accessories

Chassis Mount Bracket (SDN-PMBRK2)



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SDN-P Specifications (Single Phase), 24 Vdc Output

(€ €x) || 3G DEMKO 06 ATEX 05 21715U

	Catalog Number					
Description	SDN 2.5-24-100P	SDN 4-24-100LP	SDN 5-24-100P	SDN 10-24-100P	SDN 20-24-100P	
			Input	33110 21 100	00.120 21 100	
Nominal Voltage	115/230 Vac auto select					
-AC Range	85-132/176-264 Vac					
-DC Range ¹	90-375 Vdc					
-Frequency		47 - 63 Hz				
Nominal Current ²	1.3 A. / 0.7 A	2.1 A / 1.0 A	2.2 A / 1.0 A	5 A / 2 A typ.	9 A/ 3.9 A	
-Inrush current max.	typ. < 25 A	typ. <	< 20 A	typ. <	40 A	
Efficiency (Losses³)	> 87.5% typ. (8.6 W)	> 88% typ. (13.1 W)	> 88% typ. (16.4 W)	> 88% typ. (32.7 W)	> 90% typ. (48 W)	
Power Factor Correction		71 ()	Units Fulfill EN61000-3-2	, , , , , , , , , , , , , , , , , , ,	7	
			Output			
Nominal Voltage	24 Vdc (22.5 - 28.5 Vdc adj.)	24 Vdc 24 Vdc 24 Vdc				
-Tolerance	\[\frac{\(\text{22.5}\) \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \					
-Ripple ⁴			< 50 mVpp			
Overvoltage Protection	> 30 Vdc, but < 33 Vdc, auto recovery					
Nominal Current	2.5 A (60 W)	3.8 A (92 W)	5 A (120 W)	10 A (240 W)	20 A (480 W)	
-Current Limit	Fold Forward (Current rises, voltage drops to maintain constant power during overload up to max peak current)				peak current)	
Holdup Time ⁵	> 50 ms > 100 ms					
Parallel Operation	Single or Parallel use is selectable via Front Panel Switch (SDN 2.5, 4 should not be used in parallel as Class 2 rating would be violated					
	'		General			
EMC: -Emissions	EN61000-6-3, -4; Class B EN55011, EN55022 Radiated and Conducted including Annex A.					
-Immunity	EN61000-6-1, -2; EN61000-4-2 Level 4, EN61000-4-3 Level 3; EN61000-4-6 Level 3; EN61000-4-4 Level 4 input and Level 3 output; EN61000-4-1 Isolation Class 4, EN61000-4-11;					
Approvals	EN60950; UL508 Listed, cULus; UL60950, cRUus, CE (LVD 73/23 & 93/68/EEC). EN61000-3-2, IEC60079-15 (Class 1, Zone 2, Hazardous Location, Groups A, B, C, D w/ T3A temp class up to 60°C Ambient.) SEMI F47 Sag Immunity. SDN 2.5 & SDN 4 - UL60950 testing to include approval as Class 2 power supply in accordance with UL1310.					
Temperature	Storage: -25°C+85°C Operation10°-60°C full power with operation to 70°C possible with a linear derating to half power from 60°C to 70°C (Co vection cooling, no forced air required). Operation up to 50% load permissible with sideways or front side up mounting orientation.					
Humidity			The relative humidity is < 90% RH, noncondensing; IEC 68-2-2, 68-2-3.			
MTBF:	> 820,000 hours					
– Standard					> 510,000 hours	
			100 hours thod 1 Case 3 @ 40°C		> 510,000 hours	
•	Protected against continuous	Bellcore Issue 6 Me	00 hours thod 1 Case 3 @ 40°C 5 years	> 600,000 hours	> 510,000 hours	
General Protection/	Protected against continuous degree of protection IP20 (IEC	Bellcore Issue 6 Mei	.000 hours thod 1 Case 3 @ 40°C 5 years -circuit. Protection Class 1 (IE	> 600,000 hours		
General Protection/ Safety	0	Bellcore Issue 6 Mershort-circuit, overload, open-	000 hours thod 1 Case 3 @ 40°C 5 years circuit. Protection Class 1 (IE// (acc. EN60950)	> 600,000 hours	> 510,000 hours	
General Protection/ Safety	degree of protection IP20 (IEC	Bellcore Issue 6 Mer short-circuit, overload, open- 5 529) Safe low voltage: SELV (N.O. Solid State Contact rat	000 hours thod 1 Case 3 @ 40°C 5 years circuit. Protection Class 1 (IE// (acc. EN60950)	> 600,000 hours	> 510,000 hours	
General Protection/ Safety Status Indicators	degree of protection IP20 (IEC	Bellcore Issue 6 Mershort-circuit, overload, open- 5 529) Safe low voltage: SELV (N.O. Solid State Contact rations)	000 hours thod 1 Case 3 @ 40°C 5 years recircuit. Protection Class 1 (IE// (acc. EN60950) ted 200 mA / 60 Vdc) stallation	> 600,000 hours	> 510,000 hours	
General Protection/ Safety Status Indicators Fusing	degree of protection IP20 (IEC Green LED and DC OK signal Internally fused. External 10 Outputs are capable of proving vire/loads if 2x Nominal O/F	Bellcore Issue 6 Mer short-circuit, overload, open- 529) Safe low voltage: SELV (N.O. Solid State Contact rat Inst A slow acting fusing for the iding high currents for shore current rating cannot be to	100 hours 100 ho	> 600,000 hours C536), protect input wiring. ve load startup or switching. Finance of the startup of the sta	> 510,000 hours MIL STD 217F @ 30°C	
General Protection/ Safety Status Indicators Fusing —Input —Output	degree of protection IP20 (IEC Green LED and DC OK signal Internally fused. External 10 Outputs are capable of prov wire/loads if 2x Nominal O/F Simple snap-on system for	Bellcore Issue 6 Mer short-circuit, overload, open- 529) Safe low voltage: SELV (N.O. Solid State Contact rat In: A slow acting fusing for the iding high currents for shore current rating cannot be to DIN Rail TS35/7.5 or TS35/	100 hours thod 1 Case 3 @ 40°C 5 years circuit. Protection Class 1 (IE / (acc. EN60950) ted 200 mA / 60 Vdc) stallation e input is recommended to t periods of time for inductiolerated. Continuous currer //15 or chassis-mounted (op	> 600,000 hours C536), protect input wiring. ve load startup or switching. Fit overload allows for reliable futional screw mounting set SDI	> 510,000 hours MIL STD 217F @ 30°C using may be required for use tripping. N-PMBRK2 required).	
General Protection/ Safety Status Indicators Fusing —Input —Output Mounting	degree of protection IP20 (IEC Green LED and DC OK signal Internally fused. External 10 Outputs are capable of prov wire/loads if 2x Nominal O/F Simple snap-on system for Input: IP20-rated screw tern flexible conductors. Output:	Bellcore Issue 6 Mer short-circuit, overload, open- 529) Safe low voltage: SELV (N.O. Solid State Contact rat In: A slow acting fusing for the iding high currents for shore current rating cannot be to DIN Rail TS35/7.5 or TS35/ ninals, connector size range Two connectors per output	100 hours 100 hours 100 hours 11 case 3 @ 40°C 15 years 16 circuit. Protection Class 1 (IE 17 (acc. EN60950) 18 ced 200 mA / 60 Vdc) 18 stallation 19 e input is recommended to 10 t periods of time for inductive olerated. Continuous current 17 or chassis-mounted (op. 12: 16-10 AWG (1.5-6 mm²) 12; connector size range: 16-	> 600,000 hours C536), protect input wiring. ve load startup or switching. Finance of the startup of the sta	> 510,000 hours MIL STD 217F @ 30°0 using may be required for use tripping. N-PMBRK2 required). VG (0.5-4 mm²) for	
•	degree of protection IP20 (IEC Green LED and DC OK signal Internally fused. External 10 Outputs are capable of proving wire/loads if 2x Nominal O/F Simple snap-on system for Input: IP20-rated screw term	Bellcore Issue 6 Mer short-circuit, overload, open- 529) Safe low voltage: SELV (N.O. Solid State Contact rat In: A slow acting fusing for the iding high currents for shore current rating cannot be to DIN Rail TS35/7.5 or TS35/ ninals, connector size range Two connectors per output	thod 1 Case 3 @ 40°C 5 years circuit. Protection Class 1 (IE (acc. EN60950) ted 200 mA / 60 Vdc) stallation e input is recommended to t periods of time for inductival colorated. Continuous currer (15 or chassis-mounted (op 1: 16-10 AWG (1.5-6 mm²); connector size range: 16- 10 keep out small parts.	> 600,000 hours C536), protect input wiring. ve load startup or switching. Fit overload allows for reliable futional screw mounting set SDI for solid conductors. 16-12 AV	> 510,000 hours MIL STD 217F @ 30°C using may be required for use tripping. N-PMBRK2 required). VG (0.5-4 mm²) for	
General Protection/ Safety Status Indicators Fusing —Input —Output Mounting Connections	degree of protection IP20 (IEC Green LED and DC OK signal Internally fused. External 10 Outputs are capable of prov wire/loads if 2x Nominal O/F Simple snap-on system for Input: IP20-rated screw tern flexible conductors. Output:	Bellcore Issue 6 Mer short-circuit, overload, open-cise 529) Safe low voltage: SELV (N.O. Solid State Contact rate. A slow acting fusing for the siding high currents for shore current rating cannot be to DIN Rail TS35/7.5 or TS35/ninals, connector size range Two connectors per output g with fine ventilation grid to and below,	100 hours 100 hours 100 hours 11 class 3 @ 40°C 15 years 15 circuit. Protection Class 1 (IE 17 (acc. EN60950) 12 class 2 00 mA / 60 Vdc) 13 class 3 00 Vdc) 15 class 3 00 Vdc) 15 class 4 00 Vdc) 15 class 4 00 Vdc) 16 class 5 00 Vdc) 17 conmended to 17 class 6 00 Vdc) 18 class 6 00 Vdc) 19 class 10 Vdc) 10	> 600,000 hours C536), protect input wiring. ve load startup or switching. Fit overload allows for reliable futional screw mounting set SDI for solid conductors. 16-12 AV	> 510,000 hours MIL STD 217F @ 30°C using may be required for use tripping. N-PMBRK2 required). VG (0.5-4 mm²) for disconductors.	
General Protection/ Safety Status Indicators Fusing —Input —Output Mounting Connections Case	degree of protection IP20 (IEC Green LED and DC OK signal Internally fused. External 10 Outputs are capable of provivire/loads if 2x Nominal O/F Simple snap-on system for Input: IP20-rated screw term flexible conductors. Output: Fully enclosed metal housin 25 mm above	Bellcore Issue 6 Mer short-circuit, overload, open- 529) Safe low voltage: SELV (N.O. Solid State Contact rat In: A slow acting fusing for the iding high currents for shore current rating cannot be to DIN Rail TS35/7.5 or TS35/ ninals, connector size range Two connectors per output g with fine ventilation grid to and below, t, 10 mm in front	100 hours thod 1 Case 3 @ 40°C 5 years circuit. Protection Class 1 (IE / (acc. EN60950) ted 200 mA / 60 Vdc) stallation e input is recommended to t periods of time for inductivolerated. Continuous currer /15 or chassis-mounted (op e: 16-10 AWG (1.5-6 mm²); , connector size range: 16- to keep out small parts. 25 mm above and below,	> 600,000 hours C536), protect input wiring. we load startup or switching. Fit overload allows for reliable futional screw mounting set SDN for solid conductors. 16-12 AV 10 AWG (1.5 - 6 mm²) for solid	> 510,000 hours MIL STD 217F @ 30°C using may be required for use tripping. N-PMBRK2 required). VG (0.5-4 mm²) for deconductors.	

- 1. Not UL listed for DC input.
- 2. Input current ratings are conservatively specified with low input, worst case efficiency and power factor.
- 3. Losses are heat dissipation in watts at full load, nominal input line.
- 4. Ripple/noise is stated as typical values when measured with a 20 MHz, bandwidth scope and 50 Ohm resistor.

 5. Full load, 100 Vac Input @ T_{amb} = +25°C

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Power Supplies



SDN-P Specifications (Single Phase), 12 Vdc and 48 Vdc Output



		July 1	ATEX 05 2		
Description	Catalog Number				
	SDN 9-12-100P	SDN 5-48-100P	SDN 16-12-100P		
		Input			
Nominal Voltage	115/230 Vac auto select				
-AC Range	85-132/176-264 Vac				
-DC Range ¹	210-375 Vdc				
-Frequency	47-63 Hz, 400 Hz				
Nominal Current ²	2.0 A / 1.5 A	4 A / 2.3 A	3.3 A / 1.7 A		
–Inrush current max.	Typ. < 20 A	typ. < 40 A			
Efficiency² (Losses³)	> 84% typ. (17.28 W)	> 88% typ. (28.8 W) > 84% typ. (30.72 W)			
Power Factor Correction		Units fulfill EN61000-3-2			
		Output			
Nominal Voltage	12 V (11.8-15.2 Vdc Adj.)	48 V (35.8 - 52 Vdc Adj.)	12 V (11.6-14.0 Vdc Adj.)		
olerance	< ±2 % overa	all (combination Line, load, time and temperature	related changes)		
-Line Regulation		< 0.5%			
-Load Regulation		< 0.5%			
–Time & Temp. Drift		< 1%			
Ripple ³	< 50 mVpp				
Overvoltage Protection	< 16 Vdc with auto-recovery	< 60 Vdc with auto-recovery	< 16 Vdc with auto-recovery		
Nominal Current	9 A (108 W)	5 A (240 W)	16 A (192 W)		
–Current Limit⁴	110% of nominal - Fold Forward (Current rises, voltage drops to maintain constant power during overload up to max peak current)				
Holdup Time ⁵	>20 ms (Full load, 100 Vac Input @ T _{amb} =+25°C) to 95% output Voltage				
Parallel Operation		Supplies will not be damaged with parallel operat	iion		
Power Back Immunity	16 Vdc	60 Vdc	16 Vdc		
•		General			
EMC:					
-Emissions	EN61000-6-3, EN61204-3, EN55022 Class B, E	·	F IF001000 4 6		
-Immunity	EN61000-6-2, EN61204-3, EN55024, IEC61000 IEC61000-4-8, IEC61000-4-11)-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-2	I-5, IEC61000-4-6,		
	UL508 Listed, cULus; UL 60950-1, cURus; CE (LVD 73/23 & 93/68/EEC), (EMC 89/336 & 93/68/EEC). EN61000-3-2;				
Approvals	UL 60079-15 pending (Class 1, Zone 2 hazardou EN60079-15 (ATEX); SEMI F47 Sag Immunity, Ro		up to 60°C Ambient.);		
Temperature	Storage: -25 to +85°C, Operation -10 to +60°C for		60 to 70°C		
•	(Convection cooling, no forced air required). Operation up to 50% load permissible with sideways or front side up mounting orientation.				
Humidity		< 90% RH, non-condensing; IEC 68-2-2, 68-2-	-3		
MTBF:		>500,000 hrs Telcordia/Bellcore, Issue Case 3 @25°C			
- Standard Warranty		5 years			
-	Protected against continuous short -circuit, continuous overload, continuous open circuit. Protection Class 1 (IEC536),				
General Protection/Safety	Degree of Protection IP20 (IEC 529) Safe low voltage: SELV (acc. EN60950)				
Status Indicators (Visual)					
Status Indicators (Relay)	Normally Open solid state relay - signal active when V _{out} >70% of nominal output voltage (rated up to 200 mA, 60 Vdc)				
		Installation			
Fusing —Input	Internally fused				
-Output	Outputs are capable of providing high currents for	·			
-output	Nominal O/P current rating cannot be tolerated.				
Mounting	Simple snap-on to DIN TS35/7.5 or TS35/15 rail system. Unit should handle normal shock and vibration of industrial use and transportation without falling off the rail.				
Connections	Input: Screw terminals, connector size range: 16-10 AWG (1.5-6mm²) for solid conductors. Output: Two terminals per output, connector size range: 16-10 AWG (1.5-6mm²) for solid conductors.				
Case	Fully enclosed metal housing with fine ventilation	grid to keep out small parts.			
–Free Space	70 m	nm above and below, 25 mm left and right, 15mm	n in front		
H x W x D (inches/mm)	4.88 × 2.56 × 4.55 (124 × 65 × 116)	4.88 × 3.26 × 4.	55 (124 × 83 × 116)		
Weight (lbs/kg)	2.4 (1.05)	3.3	3 (1.48)		

^{1.} Input current ratings are specified with low input, line conditions and worst case efficiency values. Input current at nominal input settings will be typically half these values.

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^{2.} Losses are heat dissipation in watts at full load, nominal line.

^{3.} Ripple/ noise is stated as typical values when measured with a 20 MHz bandwidth scope and 50 Ohm resister.

^{4.} Unit shall not shutdown or 'hiccup' during overload or short circuit. Maximum current value shown shall be maintained indefinitely without damage to the supply. Voltage shall drop according to amount of overload to protect supply from damage.



SDN-P Specifications (Three Phase)

Dan suina	Catalog Number						
Description	SDN 5-24-480	SDN 10-24-480	SDN 20-24-480C	SDN 30-24-480	SDN 40-24-480		
	<u>'</u>		Input				
Nominal Voltage	1Ø or 3Ø 380-480 Vac 1Ø or 3Ø 380 - 480 Vac 3Ø 380 - 480 Vac			480 Vac			
–AC Range	340 - 576 Vac						
-DC Range ²	450 - 820 Vdc						
-Frequency	47 - 63 Hz						
Nominal Current ³	0.5 A	0.8 A	1.5 A	2.0 A	3.0 A		
–Inrush current max.		typ. < 18 A		typ. <	30 A		
Efficiency (Losses4)	> 90% typ. (12 W)	5 typ. (12 W) > 90% typ. (48 W) > 90% typ. (72 W) > 90% typ. (96 W)					
Power Factor Correction	Units Fulfill EN61000-3-2						
			Output				
Nominal Voltage			24 Vdc (22.5 - 28.5 Vdc adj.)				
-Tolerance	< ±2% overall (combination Line, load, time and temperature related changes)						
–Ripple⁵			< 50 mVpp				
Overvoltage Protection	> 30 Vdc, but < 33 Vdc, auto recovery						
Nominal Current	5 A (120 W)	10 A (240 W)	20 A (480 W)	30 A (720 W)	40 A (960 W)		
–Peak Current	6A, 2x Nominal Current < 2 sec.	12A, 2x Nominal Current < 2 sec.	25A, 2x Nominal Current < 2 sec.	35A, 2x Nominal Current < 2 sec.	45A, 2x Nominal Curren		
–Current Limit	Fold Forw	ard (Current rises, voltage dro	ps to maintain constant power	during overload up to max peak	current)		
Holdup Time ⁶	> 40 ms > 28 ms > 20 ms				ms		
Parallel Operation	5A through 30A units may be passively paralleled by selecting the "P" position of the switch on the unit. The SDN 40 contains active current balance				ains active current balancing		
			General				
EMC: -Emissions	EN61000-6-3, -4; Class B EN55011, EN55022 Radiated and Conducted including Annex A.						
-Immunity	EN61000-6-1, -2; EN61000-4-2 Level 4, EN61000-4-3 Level 3; EN61000-4-6 Level 3; EN61000-4-4 Level 4 input and Level 3 output; EN61000-4-5 Isolation Class 4, EN61000-4-11;						
Approvals	CB Scheme, EN60950; UL508 Listed, cULus; UL60950, cRUus, CE (LVD 73/23 & 93/68/EEC). EN61000-3-2, UL60079-15 Class 1, Zone 2 Hazardous Location, Groups IIA, IIB, IIC w/T3 temp class up to 60°C Ambient.						
Temperature	Storage: -25°C+85°C Operation10°C -60°C full power with operation to 70°C possible with a linear derating to half power from 60°C to 70°C (Convection cooling, no forced air required). Operation up to 50% load permissible with sideways or front side up mounting orientation. The relative humidity is < 90% RH, noncondensing; IEC 68-2-2, 68-2-3.						
MTBF:	> 1,110,000 hours > 940,000 hours > 550,000 hours > 620,000 hours > 490,000 h				> 490,000 hours		
– Standard	MIL STD 217F @ 30°C						
Warranty General Protection/	5 years Protected against continuous short-circuit, overload, open-circuit. Protection Class 1 (IEC536), degree of protection IP20 (IEC 60529) Safe low voltage SNLV (aga EN60050)						
Safety Status Indicators	SELV (acc. EN60950) Green LED on when V _{out} = 18V or greater.						
Status Indicators	GIOGITEED ON WHIGH Vout = 10V		etallation				
Fusing –Input	Internally fused	IN	stallation				
-Output	Outputs are capable of providing high currents for short periods of time for inductive load startup or switching. Fusing may be required for wire/loads if 2x Nominal O/P current rating cannot be tolerated. Continuous current overload allows for reliable fuse tripping.						
Mounting	Simple snap-on system for DIN	I Rail TS35/7.5 or TS35/15 or	chassis-mounted (optional scr	ew mounting set SDN-PMBRK2	2 required).		
Connections ⁷	Output: Two connectors per ou	tput, connector size range: 16	6-10 AWG (1.5-6 mm²) for solid	onductors. 16-12 AWG (0.5-4 r conductors.	mm²) for flexible conductors		
Case	Fully enclosed metal housing w		p out small parts.				
-Free Space	25 mm above and below, 25 mm left and right, 15 mm in front 70 mm above and below, 25 mm left and right , 15 mm in front						
H x W x D (inches/mm)	4.88 x 2.91 x 4.55 (124 x 73 x 116)	4.88 x 3.5 x 4.55 (124 x 89 x 116)	4.88 x 5.9 x 4.55 (124 x 150 x 116)	4.88 x 9.72 x 4.55 (124 x 247 x 116)	4.88 x 11.1 x 4.55 (124 x 282 x 116)		
Weight (lbs/kg)	1.7 (.77)	2.16 (.98)	3.97 (1.8)	4 (1.81)	6.6 (2.99)		

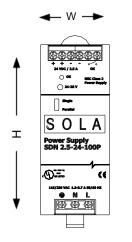
- 1. For the SDN 20-24-480C, single phase input is permissible, but output is derated $\,$ to 75% (15 Amps @ 24 Vdc).
- 2. Not UL listed for DC input.
- 3. Input current ratings are conservatively specified with low input, worst case $% \left(1\right) =\left(1\right) \left(1\right)$ efficiency and power factor.
- 4. Losses are heat dissipation in watts at full load, nominal input line.
- 5. Ripple/noise is stated as typical values when measured with a 20 MHz, bandwidth scope and 50 Ohm resistor.
- 6. Full load, 100 Vac Input @ T_{amb} = +25°C 7. For the SDN 40-24-480, output: one (+) two (-) connectors, size range 16-5 AWG (1.5016 mm²) solid conductor.

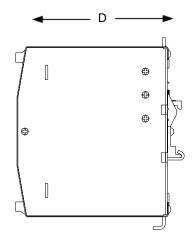
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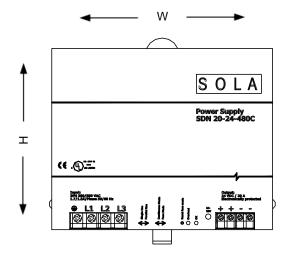


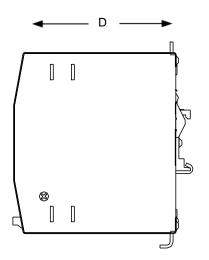
SDN-P Series Dimensions





Catalog	Dimensions – inches (mm)					
Number	Н	W	D			
12 Vdc						
SDN 9-12-100P	4.88 (124)	2.56 (65)	4.55 (116)			
SDN 16-12-100P	4.88 (124)	3.26 (83)	4.55 (116)			
24 Vdc						
SDN 2.5-24-100P	4.88 (124)	1.97 (50)	4.55 (116)			
SDN 4-24-100LP	4.88 (124)	2.56 (65)	4.55 (116)			
SDN 5-24-100P	4.88 (124)	2.56 (65)	4.55 (116)			
SDN 5-24-480	4.88 (124)	2.91 (73)	4.55 (116)			
SDN 10-24-100P	4.88 (124)	3.26 (83)	4.55 (116)			
SDN 20-24-100P	4.88 (124)	6.88 (175)	4.55 (116)			
48 Vdc						
SDN 5-48-100P	4.88 (124)	3.26 (83)	4.55 (116)			





Catalog	Dimensions – inches (mm)			
Number	Н	W	D	
SDN 10-24-480	4.88 (124)	5.90 (150)	4.55 (116)	
SDN 30-24-480	4.88 (124)	9.72 (247)	4.55 (116)	
SDN 40-24-480	4.88 (124)	11.10 (282)	4.55 (116)	

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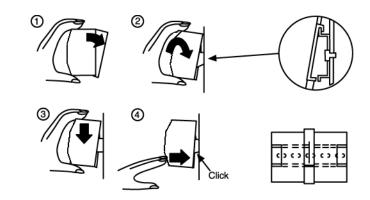
SDN-P Series Mounting

DIN Rail Mounting

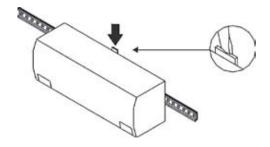
Snap on the DIN Rail:

- 1. Tilt unit slightly backwards
- 2. Put it onto the DIN Rail
- 3. Push downwards until stopped
- 4. Push at the lower front edge to lock
- 5. Shake the unit slightly to ensure that the retainer has locked

Alternative Panel Mount: Using the optional SDN-PMBRK2 accessory, the unit can be screw mounted to a panel.



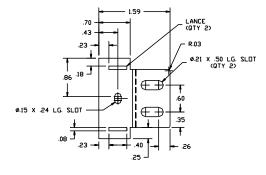
Detachment from DIN Rail:

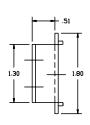


Chassis Mounting

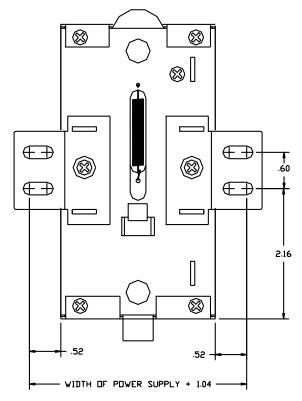
Instead of snapping a Sola SDNTM unit on the DIN Rail, you can also attach it using the screw mounting set SDN-PMBRK2.

This set consists of two metal brackets, which replace the existing two aluminum profiles.





Dimensions



Visit our website at www.solahd.com or contact Technical Services at (800) 377-4384 with any questions.