



Automatización Eléctrica

Especialistas en Automatización

At the end of this document you will find links to products related to this catalog. You can go directly to our shop by clicking HERE. [HERE](#)



■ Features :

- .High efficiency 90% and low power dissipation
- .150% peak load capability
- .Protections: Short circuit / Overload / Over voltage / Over temperature
- .Cooling by free air convection
- .Can be installed on DIN rail TS-35/7.5 or 15
- .UL 508 (industrial control equipment) approved
- .EN61000-6-2(EN50082-2) industrial immunity level
- .100% full load burn-in test
- .3 years warranty

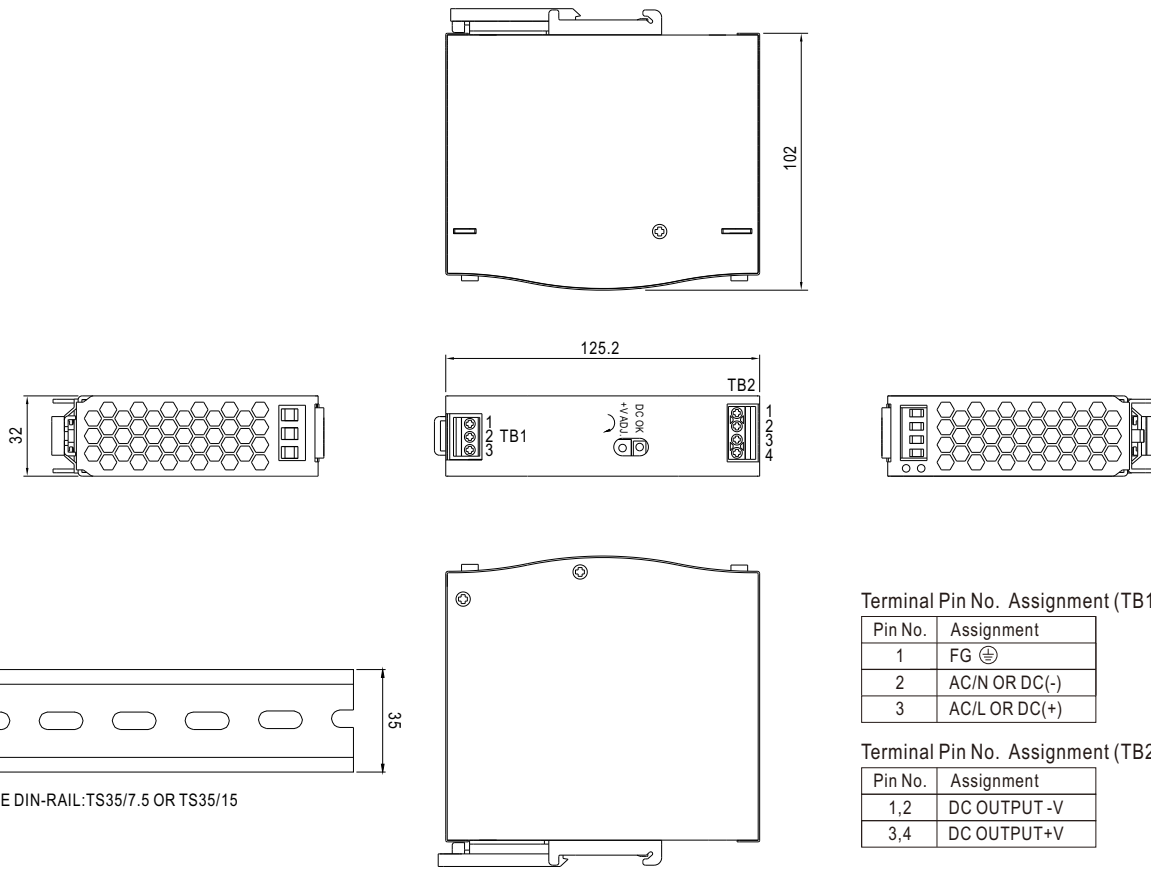


SPECIFICATION

MODEL		SDR-75-12	SDR-75-24	SDR-75-48
OUTPUT	DC VOLTAGE	12V	24V	48V
	RATED CURRENT	6.3A	3.2A	1.6A
	CURRENT RANGE	0 ~ 6.3A	0 ~ 3.2A	0 ~ 1.6A
	RATED POWER	75.6W	76.8W	76.8W
	PEAK CURRENT	9.375A	4.69A	2.34A
	PEAK POWER <small>Note.6</small>	112.5W (3 sec.)		
	RIPPLE & NOISE (max.) <small>Note.2</small>	100mVp-p	100mVp-p	120mVp-p
	VOLTAGE ADJ. RANGE	12 ~ 14V	24 ~ 28V	48 ~ 55V
	VOLTAGE TOLERANCE <small>Note.3</small>	1.0%	1.0%	1.0%
	LINE REGULATION	0.5%	0.5%	0.5%
	LOAD REGULATION	1.0%	1.0%	1.0%
	SETUP, RISE TIME	1500ms, 60ms/230VAC 3000ms, 60ms/115VAC at full load		
HOLD UP TIME (Typ.)	80ms/230VAC 20ms/115VAC at full load			
INPUT	VOLTAGE RANGE <small>Note.7</small>	88 ~ 264VAC 124 ~ 370VDC [DC input operation possible by connecting AC/L(+),AC/N(-)]		
	FREQUENCY RANGE	47 ~ 63Hz		
	EFFICIENCY (Typ.)	88.5%	89%	90%
	AC CURRENT (Typ.)	1.4A/115VAC 0.85A/230VAC		
	INRUSH CURRENT (Typ.)	30A/115VAC 50A/230VAC		
	LEAKAGE CURRENT	<1mA / 240VAC		
PROTECTION	OVERLOAD	Normally works within 110 ~ 150% rated output power for more than 3 seconds and then shut down o/p voltage, re-powr on to recover 150 ~ 170% rated power, constant current limiting with auto-recovery within 3 seconds, and then shut down o/p voltage after 3 seconds, re-powr on to recover		
	OVER VOLTAGE	14 ~ 17V	29 ~ 33V	56 ~ 65V
		Protection type : Shut down o/p voltage, re-powr on to recover		
	OVER TEMPERATURE	100°C ± 10°C (RTH2) detect on main of power transistor Protection type : Shut down o/p voltage, re-powr on to recover after temperature goes down		
ENVIRONMENT	WORKING TEMP.	-30 ~ +70°C (Refer to "Derating Curve")		
	WORKING HUMIDITY	20 ~ 95% RH non-condensing		
	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH		
	TEMP. COEFFICIENT	± 0.03%/°C (0 ~ 60°C)		
	VIBRATION	Component:10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes; Mounting: Compliance to IEC60068-2-6		
SAFETY & EMC <small>(Note 4)</small>	SAFETY STANDARDS	UL508, TUV EN60950-1 approved, design refer to GL ;(meet EN60204-1)		
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC		
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:>100M Ohms / 500VDC / 25°C / 70% RH		
	EMC EMISSION	Compliance to EN55022 (CISPR22). EN61204-3 Class B, EN61000-3-2,-3		
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, EN61000-6-2 (EN50082-2), EN61204-3, heavy industry level, criteria A, SEMI F47 approved		
OTHERS	MTBF	481.9K hrs min. MIL-HDBK-217F (25°C)		
	DIMENSION	32*125.2*102mm (W*H*D)		
	PACKING	0.51Kg; 28pcs/15.3Kg/1.22CUFT		
NOTE	<ol style="list-style-type: none"> 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. 3. Tolerance : includes set up tolerance, line regulation and load regulation. 4. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives. 5. Installation clearances : 40mm on top, 20mm on the bottom, 5mm on the left and right side are recommended when loaded permanently with full power. In case the adjacent device is a heat source, 15mm clearance is recommended. 6. 3 seconds max., please refer to peak loading curves. 7. Derating may be needed under low input voltage. Please check the derating curve for more details. 			

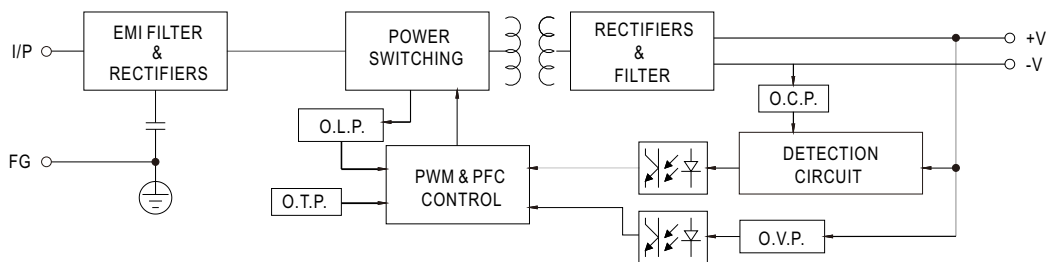
Mechanical Specification

Case No. Unit:mm



Block Diagram

fosc : 85KHz





Below is a list of articles with direct links to our shop Electric Automation Network where you can see:

- Quote per purchase volume in real time.
- Online documentation and datasheets of all products.
- Estimated delivery time enquiry in real time.
- Logistics systems for the shipment of materials almost anywhere in the world.
- Purchasing management, order record and tracking of shipments.

To access the product, [click on the green button.](#)

Product	Code	Reference	Product link
Input: 88-264 AC / 124-370 DC, Output: 1, V1: 12, A1: 6,3	SDR7512	SDR-75-12	Buy on EAN
Input: 88-264 AC / 124-370 DC, Output: 1, V1: 24, A1: 3,2	SDR7524	SDR-75-24	Buy on EAN
Input: 88-264 AC / 124-370 DC, Output: 1, V1: 48, A1: 1,6	SDR7548	SDR-75-48	Buy on EAN