



APS-3-240-24 Datasheet

Aiming to create better and safer working environments and life experiences through the products we deliver.



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240W Slim Three Phase Industrial DIN Rail with PFC Function

APS-3-240-24

APS-3-240-24 is one economical slim 240W Din rail power supply series, adapt to be installed on TS-35/7.5 or TS-35/15 mounting rails. The body is designed 63mm in width, which allows space saving inside the cabinets. The entire series adopts the full range AC input from 3Ø 340VAC to 550VAC (Dual Phase operation possible) and conforms to BS EN/EN61000-3-2, the norm the European Union regulates for harmonic current. APS-3-240-24 is designed with metal housing that enhances the unit's power dissipation. With working efficiency up to 92 %, the entire series can operate at the ambient temperature between -30°C and 70°C under air convection. It is equipped with constant current mode for over-load protection, fitting various inductive or capacitive applications. The complete protection functions and relevant certificates for industrial control apparatus (UL61010-1, UL61010-2-201, BS EN/EN61558-1, BS EN/EN61558-2-16, EAC TP TC 004 approved, and etc.) make APS-3-240-24 a very competitive power supply solution for industrial applications.



CB Report



Features & Benefits

- Three-Phase 340 ~ 550VAC wide range input (Dual phase operation possible)
- 63 mm slim width
- Built-in passive PFC function compliance to BS EN/EN61000-3-2
- High efficiency 92% and low power dissipation
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Cooling by free air convection
- Full power between -30~+60°C
- Built-in constant current limiting circuit
- Can be installed on DIN rail TS-35/7.5 or 15
- UL61010 (industrial control equipment) approved
- BS EN/EN61000-6-2(BS EN/EN50082-2) industrial immunity level
- DC OK relay contact
- 3 years warranty10



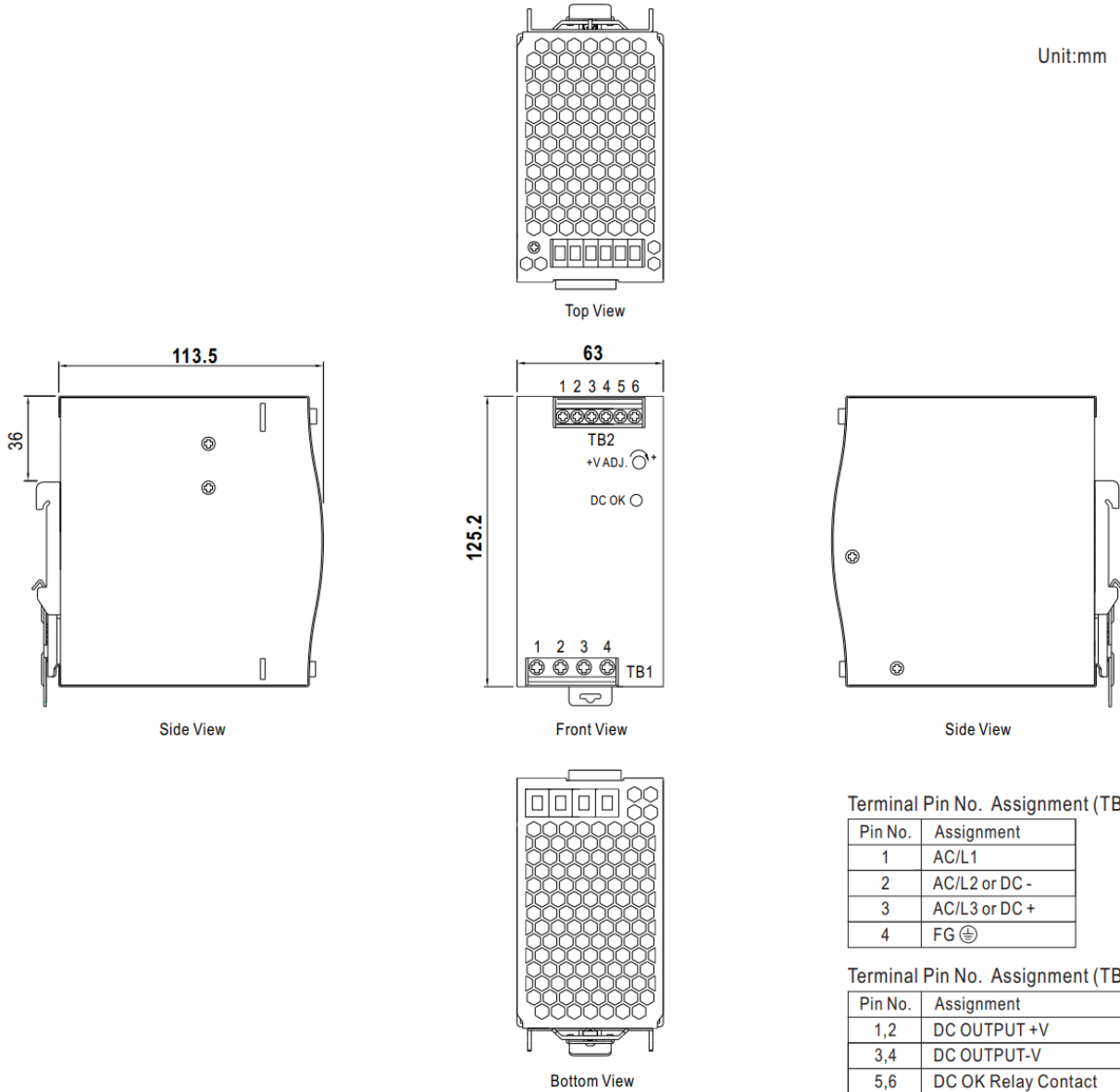
Ordering Information

Part No.	Rated wattage	Output Voltage	Output Voltage Adjustable ADJ. Range	Input Efficiency Typ.	Input Frequency Range
APS-3-240-24	240 W	24 V	24 V~ 28 V	92%	47~ 63Hz

BS EN/EN55024 , BS EN/EN61204-3		
Parameter	Standard	Test Level / Note
ESD	BS EN/EN61000-4-2	Level 4, 15KV air ; Level 4, 8KV contact
Radiated Field	BS EN/EN61000-4-3	Level 3
EFT / Burst	BS EN/EN61000-4-4	Level 3
Surge	BS EN/EN61000-4-5	Level 4, 2KV / Line-Line, Level 4, 4KV/ Line-Earth
Conducted	BS EN/EN61000-4-6	Level 3
Magnetic Field	BS EN/EN61000-4-8	Level 4
Voltage Dips and Interruptions	BS EN/EN61000-4-11	> 95% dip 0.5 periods, 30% dip 25 periods > 95% interruptions 250 periods
Others		
MTBF	1534.9K hrs min. Telcordia SR-332(Bellcore); 215.6K hrs min. MIL-HDBK-217F (25°C)	
Dimension	63*125.2*113.5mm (W*H*D)	
Packing	1Kg ; 12pcs/13Kg/1.22CUFT	
Note		
<ol style="list-style-type: none"> 1. All parameters NOT specially mentioned are measured at 400VAC 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. Dual phase operation is allowed under certain derating to output load. 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. The ambient temperature derating of 3.5°C/1000m is needed for operating altitude higher than 2000m(6500ft). 7. 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. 		

Installation dimensions

Unit:mm



Terminal Pin No. Assignment (TB1)

Pin No.	Assignment
1	AC/L1
2	AC/L2 or DC -
3	AC/L3 or DC +
4	FG ⊕

Terminal Pin No. Assignment (TB2)

Pin No.	Assignment
1,2	DC OUTPUT +V
3,4	DC OUTPUT-V
5,6	DC OK Relay Contact