

Q3-S341 V1.1E

Specification of DIN Rail Power Supply, 40W/DC24V, Plastic Housing, -20 to +70°C (MDR-40-24)

Part Number: APWD-MPSB-A4024-00

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Melbye Raycore Taiwan Co., Ltd.

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- Universal AC input/Full range
- Protections: Short circuit / Overload / Over voltage
- Cooling by free air convection
- Can be installed on DIN rail TS-35/7.5 or 15
- Class I, Div 2 Hazardous Locations T4
- LED indicator for power on
- DC PK relay contact
- No load power consumption <0.75W
- 100% full load burn-in test
- 3 years warranty

Specifications				
MODEL			APWD-MPSB-A4024-C	00 (MDR-40-24)
	DC voltage		24V	
	Rated current		1.7A	
	Current range		0 ~ 1.7A	
	Rated power		40.8W	
Output	Ripple & noise (max.)	Note.2	150mVp-p	
	Voltage ADJ. Range		24 ~ 30V	
	Voltage tolerance	Note.3	±1.0%	
	Line regulation		±1.0%	
	Load regulation		±1.0%	
	Setup, Rise Time	Note.5	500ms, 30ms/230VAC	500ms, 60ms/115VAC at full load
	Hold up time (Typ.)		50ms/230VAC	20ms/115VAC at full load
	Voltage range _{Note.7} 85 ~ 264VAC	120 ~ 370VDC		
Input	Frequency range		47 ~ 63Hz	
	Efficiency (Typ.)		88%	
	AC current (Typ.)		1.1A/115VAC	0.7A/230VAC
	Inrush current (Typ.)		COLD START30A/115VA	C 60A/230VAC
	Leakage current		<1mA/240VAC	

Specifications

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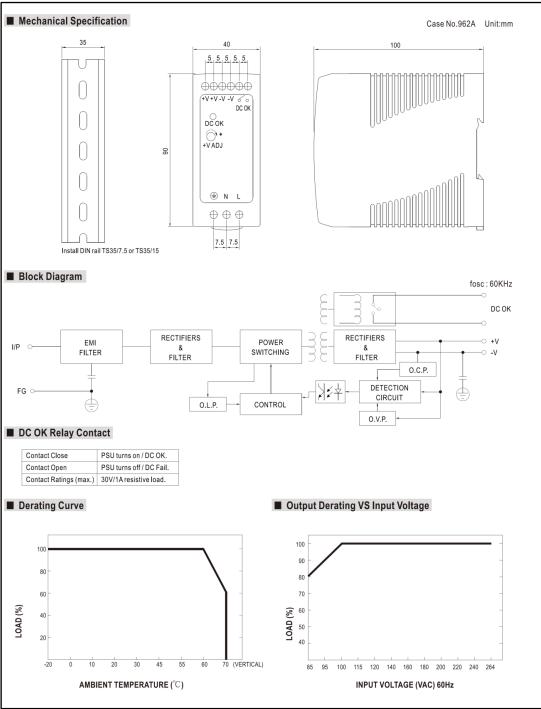
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Model		APWD-MPSB-A4024-00 (MDR-40-24)	
		105 ~ 150% rated output power	
	Overload	Protection type : constant current limiting, recovers	
Drataction		automatically after fault condition is removed	
Protection		31.2 ~ 36V	
	Over voltage	Protection type : Shut down o/p voltage, re-power on to	
		recover	
Function	DC ok signal	REALY CONTACT RATINGS (max.): 30V/1A resistive	
	Working TEMP.	-20 ~ +70°C (Refer to "Derating Curve")	
	Working humidity	20 ~ 90% RH non-condensing	
Environment	Storage TEMP., humidity	-40 ~ +85°C, 10 ~ 95% RH	
Environment	TEMP. Coefficient	±0.03%/°C (0 ~ 50°C)	
	Vibration	Component: 10 ~ 500Hz, 2G 10min./1cycle, 60min. each along	
	Vibration	X, Y, Z axes; Mounting:Compliance to IEC60068-2-6	
		UL508, UL60950-1 TUV EN60950-1, Class I, Div. Group A, B, C,	
	Safety standards	D Hazardous Locations T4, EAC TP TC 004, BSMI CNS14336-1,	
		AS/NZS 60950.1 approved	
Safety & EMC	Withstand voltage	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC	
(Note 4)	Isolation resistance	I/P-O/P, I/P-FG, O/P-FG:>100M Ohms/500VDC/25°C/70% RH	
(14000 -)	EMC emission	Compliance to EN55011, EN55032 (CISPR32), EN61204-3 Class	
		B, EN61000-3-2, -3, EAC TP TC 020, CNS13438 Class B	
		Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, EN61000-6-	
	EMC immunity	2, EN61204-3, heavy industry level, criteria A, EAC TP TC 020	
	MTBF	301.7K hrs min. MIL-HDBK-217F (25°C)	
Others	Dimension	40*90*100mm (W*H*D)	
	Packing	0.3Kg; 42pcs/13.6Kg/0.82CUFT	
Note	 All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. Tolerance : Includes set up tolerance, line regulation and load regulation. 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. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies." Length of set up time is measured at first cold start. Turning ON/OFF the power supply may lead to increase of the set up time. The ambient temperature derating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500ft). 		





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Ordering Information

Part Number	Description
APWD-MPSB-A4024-00	DIN Rail Power Supply, 40W/DC24V, Plastic Housing, -20 to +70°C
APVVD-MP3D-A4024-00	(MDR-40-24)



