

Tensione di ingresso trifase 340~550Vac 47~63Hz  
Input voltage range: 340~550Vac 47~63Hz

Certificazione "UL508 (industrial control equipment) approved"  
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Alta efficienza 89% e bassa dissipazione  
High efficiency 89% and low dissipation

Protezione sovratemperatura, sovraccarico, sovratensione e corto circuito  
Short circuit, over temperature, over load and over voltage protection

Circuito interno per la limitazione della corrente  
Built-in constant current limiting circuit

Isolamento galvanico ingresso / uscita / custodia  
Input / output / case insulation

Adatto per montaggio su barra DIN TS-35/7.5 o 15  
Can be installed on DIN TS-35/7.5 or 15t

Test di burn-in svolto a pieno carico  
100% full load burn-in test



CARATTERISTICHE TECNICHE - TECHNICAL FEATURES		Cod. 4330	Cod. 4332	Cod. 4331	Cod. 4333
MODEL		DRT-240-24	DRT-240-48	DRT-480-24	DRT-480-48
OUTPUT	DC VOLTAGE	24V	48V	24V	48V
	RATED CURRENT	10A	5A	20A	10A
	CURRENT RANGE	0 ~ 10A	0 ~ 5A	0 ~ 20A	0 ~ 10A
	RATED POWER	240W	240W	480W	480W
	RIPPLE & NOISE (max) note 2	80mVp-p	80mVp-p	80mVp-p	80mVp-p
	VOLTAGE ADJ. RANGE	24 ~ 28V	48 ~ 55V	24 ~ 28V	48 ~ 55V
	VOLTAGE TOLERANCE note 3	±1.0%	±1.0%	±1.0%	±1.0%
	LINE REGULATION	±0.5%	±0.5%	±0.5%	±0.5%
	LOAD REGULATION	±0.5%	±0.5%	±0.5%	±0.5%
SETUP, RISE, HOLD TIME	1200ms, 40ms, 20ms/400Vac / 800ms, 40ms, 40ms/500Vac at full load				
INPUT	VOLTAGE RANGE	Three phase 340 ~ 550VAC 480 ~ 780VDC			
	FREQUENCY RANGE	47 ~ 63Hz			
	EFFICIENCY (Typ.)	89%	89%	89%	90%
	AC CURRENT	0.95A/400VAC	0.75A/500VAC	1.7A/400VAC	1.3A/500VAC
	INRUSH CURRENT (max.)	cold start 50A/230VAC			
	LEAKAGE CURRENT	<3.5mA / 530VAC			
PROTECTION	OVER LOAD	105 ~ 150% rated output power Protection type: Costant current limiting, recovers automatically after fault condition is removed.			
	OVER VOLTAGE	30 ~ 36V	59 ~ 66V	30 ~ 36V	59 ~ 66V
	OVER TEMPERATURE	100°C ±5°C (TWS) Detect on heatsink of power switch		110°C ±5°C (TWS) Detect on heatsink of power switch.	
ENVIRONMENT	WORKING TEMPERATURE	-20 ~ +70°C *refer to output load derating curve)		-10 ~ +70°C *refer to output load derating curve)	
	WORKING HUMIDITY	20 ~ 90% RH non-condensing			
	STORAGE TEMP., HUMID.	-40 ~ +85°C, 10 ~ 95% RH		-20 ~ +85°C, 10 ~ 95% RH	
	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 50°C)			
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X,Y,Z axes			
	SAFETY EMC	SAFETY STANDARDS	UL508, TUV EN60950 approved		
WITHSTAND VOLTAGE		I/P-O/P: 3KVAC I/P-FG: 1.5KVAC O/P-FG: 0.5KVAC			
ISOLATION RESISTANCE		I/P-O/P, I/P-FG, O/P-FG: 100 MOhms/500VDC			
EMI CONDUCTION & RADIATION		EN55011(CISPR11), EN55022 (CISPR22), EN61204-3 class B		Compliance to EN55022 (CISPR22) class B	
HARMONIC CURRENT		---		Compliance to EN61000-3-2,-3	
OTHERS	DIMENSION	125.5 x 125.2 x 100mm (LxWxH)		227.5 x 125.2 x 100mm (LxWxH)	
	WEIGHT	1.3Kg		1.8Kg	
NOTE	<p>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</p> <p>2. Ripple and noise are measured at 20MHz of band width by using a 12" twisted pair-wire terminated with 0.1uF and 47uF parallel capacitors.</p> <p>3. Tolerance: includes set up tolerance, line regulation and load regulation.</p> <p>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.</p> <p>5. Dual phase operation derating of 20% is required.</p>				

### COME ORDINARE - HOW TO ORDER

	Sigla - part number	Codice - code	Ingresso - input	Uscita - output
①	ET-SW/3x400-500/24/10A/DRT240	4330	3 x 340 ~550Vac	24Vdc - 10A
②	ET-SW/3x400-500/48/5A/DRT240	4332	3 x 340 ~550Vac	48Vdc - 5A
③	ET-SW/3x400-500/24/20A/DRT480	4331	3 x 340 ~550Vac	24Vdc - 20A
④	ET-SW/3x400-500/48/10A/DRT480	4333	3 x 340 ~550Vac	48Vdc - 10A

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CARATTERISTICHE TECNICHE - TECHNICAL FEATURES		COD 4334	COD 4335
MODEL		DRT-960-24	DRT-960-48
OUTPUT	DC VOLTAGE	24V	48V
	RATED CURRENT	40A	20A
	CURRENT RANGE	0 ~ 40A	0 ~ 20A
	RATED POWER	960W	960W
	RIPPLE & NOISE (max) <small>note 2</small>	80mVp-p	80mVp-p
	VOLTAGE ADJ. RANGE	24 ~ 28V	48 ~ 55V
	VOLTAGE TOLERANCE <small>note 3</small>	±1.0%	±1.0%
	LINE REGULATION	±0.5%	±0.5%
	LOAD REGULATION	±0.5%	±0.5%
SETUP, RISE, HOLD TIME	200ms, 60ms, 10ms/400Vac / 200ms, 60ms, 24ms/500Vac at full load		
INPUT	VOLTAGE RANGE	Three phase 340 ~ 550VAC	480 ~ 780VDC
	FREQUENCY RANGE	47 ~ 63Hz	
	EFFICIENCY (Typ.)	91%	92%
	AC CURRENT	2.4A/400VAC 1.9A/500VAC	
	INRUSH CURRENT (max.)	cold start 50A/230VAC	
	LEAKAGE CURRENT	<3.5mA / 530VAC	
PROTECTION	OVER LOAD	105 ~ 150% rated output power Protection type: Costant current limiting, unit will shut down output after 3 sec., re-power on to recover.	
	OVER VOLTAGE	30 ~ 36V	59 ~ 66V
	OVER TEMPERATURE	110°C ±5°C (TWS1) Detect on heatsink of power switch 85°C ±5°C (TWS2) Detect on heatsink of power switch. Protection type: Shut down o/p voltage, recovers automatically after temperature goes down.	
ENVIRONMENT	WORKING TEMPERATURE	-20 ~ +60°C *refer to output load derating curve) -10 ~ +70°C *refer to output load derating curve)	
	WORKING HUMIDITY	20 ~ 90% RH non-condensing	
	STORAGE TEMP., HUMID.	-40 ~ +85°C, 10 ~ 95% RH -20 ~ +85°C, 10 ~ 95% RH	
	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 50°C)	
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X,Y,Z axes	
SAFETY EMC	SAFETY STANDARDS	UL508, TUV EN60950-1 approved	
	WITHSTAND VOLTAGE	I/P-O/P: 3KVAC I/P-FG: 1.5KVAC O/P-FG: 0.5KVAC	
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG: 100 MOhms/500VDC	
	EMI CONDUCTION & RADIATION	EN55011(CISPR11), EN55022 (CISPR22), EN61204-3 class B	
	HARMONIC CURRENT	Compliance to EN61000-3-2,-3	
EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11: ENV50204, EN61000-6-2 (EN50082-2) heavy industry level, criteria A		
OTHERS	DIMENSION - WEIGHT	276 x 125.2 x 100mm (LxWxH) - 3.3Kg	
NOTE	1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 2. Ripple and noise are measured at 20MHz of band width by using a 12" twisted pair-wire terminated with 0.1uF and 47uF parallel capacitors. 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. Dual phase operation derating of 20% is required.		

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①	ET-SW/3x400-500/24/40A/DRT960	4334	3 x 340 ~550Vac	24Vdc - 40A
②	ET-SW/3x400-500/48/20A/DRT960	4335	3 x 340 ~550Vac	48Vdc - 20A