

DRL-48V120W1EN
120W Industrial Power Supply



- Industrial control system
- Factory automation
- Electro-mechanical apparatus

▪ Specification

OUTPUT	
DC VOLTAGE	48V
RATED CURRENT(forBETypeonly)	2.5A
RATED POWER	120W
RIPPLE & NOISE (max.) Note.3	< 200 mVpp @ 0°C to +70°C < 600 mVpp @ -30°C to 0°C
VOLTAGE ADJ. RANGE	43.2 ~ 52.8V
VOLTAGE TOLERANCE Note.4	48 Vdc $\pm$ 1.0%
LINE REGULATION	$\pm$ 0.5%
LOAD REGULATION	$\pm$ 1%
SETUP, RISE TIME Note.6	30 ms typ. @ 115 Vac & 230 Vac
HOLD UP TIME (Typ.)	10 ms typ. @ 115 Vac (100% load) 16 ms typ. @ 230 Vac (100% load)
RATEDCURRENT	2.5A
INPUT	
VOLTAGE RANGE Note.5	90 ~ 264VAC
FREQUENCY RANGE	47 ~ 63Hz
EFFICIENCY (Typ.)	89.5% typ. @ 230 Vac
AC CURRENT	2.1 A typ. @ 115 Vac, 1.3 A typ. @ 230 Vac
INRUSH CURRENT (Typ.)	35A typ./230VAC
LEAKAGE CURRENT	<0.5mA / 240VAC
PROTECTION	
OVER VOLTAGE	< 64.8 V Protection type : Latch Mode, Shut down o/p voltage, re-power on to recover
OVER TEMPERATURE	Protection type : Latch Mode, Shut down o/p voltage, re-power on to recover
ENVIRONMENT	
WORKING TEMP.	-40 ~ +70°C (Refer to "Derating Curve")
WORKING HUMIDITY	20 ~ 95% RH non-condensing
STORAGE TEMP., HUMIDITY	-40 ~ +85°C
VIBRATION	Non-Operating: IEC 60068-2-6, Random: 5 Hz to 500 Hz (2.09 G); 20 min per axis for all X, Y, Z direction Operating: IEC 60068-2-6, Sine Wave: 10 Hz to 500 Hz @ 19.6 m/s ² (2 G peak); 10 min per cycle, 60 min for X direction
SAFETY& EMC	
SAFETY STANDARDS	CB scheme : IEC 62368-1, IEC 61010-1 & -2-201 TUV Bauart : EN 62368-1, EN 61010-1 & -2-201 UL/cUL : UL 62368-1, UL 61010-1 & -2-201 BIS : IS 13252-1 (Part 1) BSMI : CNS14336-1 CCC: GB4943.1 EAC : TP TC 004/2011 KC : K 60950-1 (24 V model only)
WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-Ground :2KVAC O/P- Ground:1.0KVAC
ISOLATION RESISTANCE	I/P-O/P, I/P-PE, O/P-FG:>100M Ohms / 500VDC / 25°C
EMC EMISSION	Compliance to BS EN/EN550 2 (CISPR 2),BS EN/EN61204-3 Class B,BS EN/ 3 3 EN61000-3-2,-3,EAC TP TC 020,CNS13438 Class B

EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN/BS EN 55035, KN 35 (24 V model only), EN/BS EN 61000-6-2 Compliance to EN/BS EN 61000-6-1 , EN/BS EN 61204-3 IEC/EN/BS EN 61000-3-2, Class A IEC/EN/BS EN 61000-3-3 Voltage Sag Immunity SEMI F47 – 0706 Compliance to FCC Title 47, EN/BS EN 61000-6-3: Class B heavy industry level, EAC TP TC 020
OTHERS	
MTBF	Telcordia SR-332 > 700,000 hrs I/P: 115 Vac & 230 Vac, O/P: 100% load, Ta: 25°C
PACKING	0.45 kg (0.99 lb)
Physical appearance	
Dimensions	30* 123.6 * 116.8 mm (W*H*D)

▪ Available Model

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