25W AC-DC Reliable Green Industrial Adaptor GST25A24-DA1

UL62368-1 EN62368-1 R33100 RoHS J62368-1 K60950-1 AS/NZS60950-1 GB4943.1 IS13252

MS IEC60950-1 (optional) IEC62368-1 TPTC004 Energy Verified Rendement Énergétique Vérifié

ECO Household Automate Industrial Security Network Telecom

Features

- **Global certificates**
- Universal AC input / Full range
- 3 pole AC inlet IEC320-C14,Class Ⅰ power unit
- No load power consumption< 0.075W
- **Energy efficiency Level VI**
- Comply with EISA 2007/DoE,NRCan,Korea K-MEPS, AU/NZ MEPS,EU ErP and CoC Version 5
- Protections: Short circuit / Overload / Over voltage
- Fully enclosed plastic case
- Pass LPS
- -30~+70℃ wide range working temperature
- LED indicator for power on
- 3 years warranty

Applications

- Consumer electronic devices
- Telecommunication devices
- Office facilities
- Industrial equipments

Description

GST25A24-DA1 is a highly reliable, 25W desktop style single-output green adaptor series. This product is a class Ⅰ power unit (with FG), equipped with a standard IEC320-C14 AC inlet and adopting the input range from 85VAC to 264VAC.

With the extremely low no-load power consumption below 0.075W, GST25A24-DA1 is compliant with USA EISA 2007/DoE, Canada NRCan, Australia and New Zealand MEPS,Korea K-MEPS,EU ErP,and Code of Conduct(CoC) Version 5. The supreme feature allows the adaptor to save the energy when it is either under the operating mode or the standby mode. It utilizes the 94V-0 flame retardant plastic case.GST25A24-DA1 is certified for the international safety regulations.

Model Encoding

GST 25 A 24 - DA1

- Output voltage
- IEC320-C14 AC inlet
- Rated wattage
- Series name

LRI Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

MEAN WELL

25W AC-DC Reliable Green Industrial Adaptor

GST25A24-DA1

SPECIFICATION

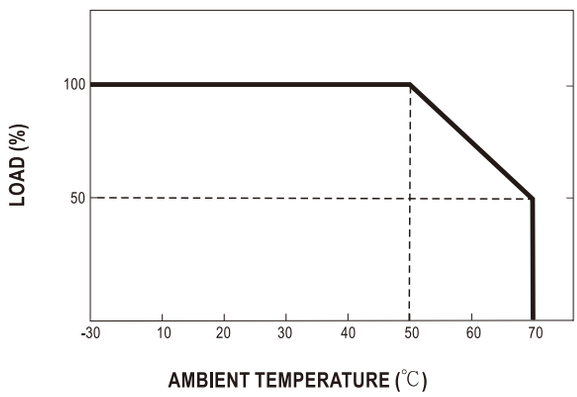
ORDER NO.		GST25A24-DA1		
OUTPUT	SAFETY MODEL NO.	GST25A24		
	DC VOLTAGE Note.2	24V		
	RATED CURRENT	1.04A		
	CURRENT RANGE	0 ~ 1.04A		
	RATED POWER (max.)	25W		
	RIPPLE & NOISE (max.) Note.3	150mVp-p		
	VOLTAGE TOLERANCE Note.4	±2.0%		
	LINE REGULATION Note.5	±1.0%		
	LOAD REGULATION Note.6	±2.0%		
	SETUP, RISE, HOLD UP TIME	1000ms, 30ms, 50ms/230VAC 1500ms, 30ms, 15ms/115VAC at full load		
INPUT	VOLTAGE RANGE Note.7	85 ~ 264VAC		
	FREQUENCY RANGE	47 ~ 63Hz		
	EFFICIENCY (Typ.)	88%		
	AC CURRENT	0.6A / 115VAC 0.35A / 230VAC		
	INRUSH CURRENT (max.)	Cold start 35A / 115VAC 65A / 230VAC		
	LEAKAGE CURRENT(max.)	0.75mA / 240VAC		
PROTECTION	OVERLOAD	110 ~ 150% rated output power		
		Protection type : Hiccup mode, recovers automatically after fault condition is removed		
	OVER VOLTAGE	110 ~ 140% rated output voltage		
		Protection type : Clamp by zener diode		
ENVIRONMENT	WORKING TEMP.	-30 ~ +70℃ (Refer to "Derating Curve")		
	WORKING HUMIDITY	20% ~ 90% RH non-condensing		
	STORAGE TEMP., HUMIDITY	-40 ~ +85℃, 10 ~ 95% RH non-condensing		
	TEMP. COEFFICIENT	±0.03% / ℃ (0 ~ 50℃)		
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes		
SAFETY & EMC (Note. 9)	SAFETY STANDARDS Note. 8	UL62368-1, CSA C22.2 No.62368-1, TUV EN62368-1, BSMI CNS 14336-1 , CCC GB4943.1, PSE J62368-1, AS/NZS 60950.1, BIS IS13252, KC K60950-1, EAC TP TC 004 approved; SIRIM MS IEC62368-1 (optional) approved		
	WITHSTAND VOLTAGE	I/P-O/P:4242VDC, I/P-FG:2121VDC		
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG:100M Ohms / 500VDC / 25℃/ 70% RH		
	EMC EMISSION	**Parameter**	**Standard**	**Test Level / Note**
		Conducted emission	EN55032(CISPR32),FCC PART 15 / CISPR22 CAN ICES-3(B)/NMB-3(B),CNS13438,GB17625.1 EAC TP TC 020,MSIP KN32	Class B
		Radiated emission	EN55032(CISPR32),FCC PART 15 / CISPR22 CAN ICES-3(B)/NMB-3(B),CNS13438,GB17625.1 EAC TP TC 020,MSIP KN32	Class B
		Harmonic current	EN61000-3-2,GB9254	Class A
		Voltage flicker	EN61000-3-3	-------
	EMC IMMUNITY	**Parameter**	**Standard**	**Test Level /Note**
		ESD	EN61000-4-2	Level 3, 8KV air; Level 2, 4KV contact
		RF field susceptibility	EN61000-4-3	Level 2, 3V/m
		EFT bursts	EN61000-4-4	Level 2, 1KV
		Surge susceptibility	EN61000-4-5	Level 3, 1KV/Line-Line , 2KV/Line-FG
		Conducted susceptibility	EN61000-4-6	Level 2, 3V
		Magnetic field immunity	EN61000-4-8	Level 2, 3A/m
		Voltage dips , interruption	EN61000-4-11	＞95% dip 0. 5 periods, 30% dip 25 periods, ＞95% interruptions 250 periods
OTHERS	MTBF	674.55Khrs min. MIL-HDBK-217F(25℃)		
	DIMENSION	93*54*36mm (L*W*H)		
	PACKING	209g; 60pcs/13.5Kg/1.02CUFT		
CONNECTOR	PLUG	See page 4~5 ; Other type available by customer requested		
	CABLE	See page 4~5 ; Other type available by customer requested		

NOTE

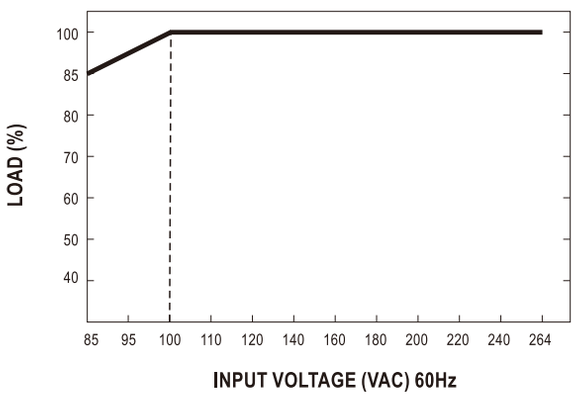
1.All parameters are specified at 230VAC input, rated load, 25℃ 70% RH ambient.
2.DC voltage: The output voltage set at point measure by plug terminal & 50% load.
3.Ripple & noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1μf & 47μf capacitor.
4.Tolerance: includes set up tolerance, line regulation, load regulation.
5.Line regulation is measured from low line to high line at rated load.
6.Load regulation is measured from 10% to 100% rated load.
7.Derating may be needed under low input voltage. Please check the derating curve for more details.
8.The demand for Malaysia safety is processed with the order no. GST25A □ -SIRIM by request. Please contact MEAN WELL for details.
9.The power supply is considered as an independent unit, but the final equipment still need to re-confirm that the whole system complies with the EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies." (as available on http://www.meanwell.com)

LRI Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

■ Derating Curve

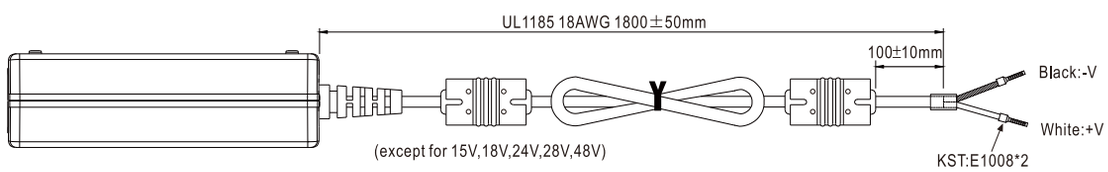


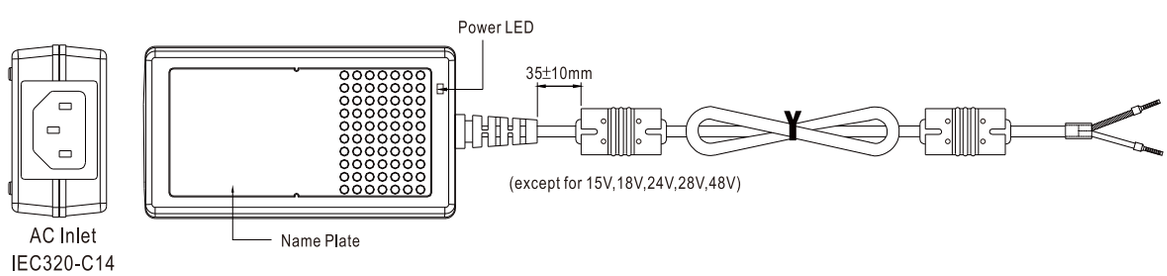
■ Static Characteristics

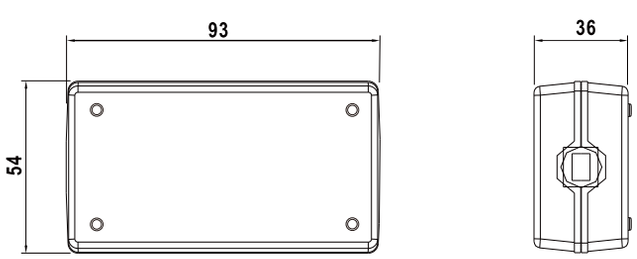


■ Mechanical Specification

Unit:mm







■ Installation Manual

Please refer to : http://www.meanwell.com/manual.html

LRI Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000