Eaton 229424

Eaton easyPOW Power supply unit, 100-240VAC/24VDC/12VDC, 0.35A/0.02A, 1-phase, controlled

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PRODUCT NAME	Eaton easyPOW power supply unit
CATALOG NUMBER	229424
PRODUCT LENGTH/DEPTH	58 mm
PRODUCT HEIGHT	90 mm
PRODUCT WIDTH	36 mm
PRODUCT WEIGHT	0.085 kg
CERTIFICATIONS	CE UL Category Control No.: NRAQ CSA-C22.2 No. 213-M1987 IEC 60068-2-27 UL File No.: E135462 EN 55022 CSA Class No.: 2252-01 + 2258-02 CSA File No.: 012528 CSA UL IEC 60068-2-6 EN 55011 IEC/EN 61000-4 CSA-C22.2 No. 142-M1987 UL 508

Powering Business Worldwide

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USED WITH	easyE4
POWER CONSUMPTION	7 W typ.
PHASE	Single-phase
VOLTAGE TYPE (SUPPLY VOLTAGE)	AC
FEATURES	Overload proof (by current limitation) Proof against sustained short circuit, hickup mode (Output current 24 V DC)
AIR DISCHARGE	8 kV, according to IEC/EN 61000-4-2, Level 3, ESD
10.10 TEMPERATURE RISE	The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
10.11 SHORT-CIRCUIT RATING	Is the panel builder's responsibility.
10.12 ELECTROMAGNETIC COMPATIBILITY	Is the panel builder's responsibility.
10.13 MECHANICAL FUNCTION	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.
10.2.2 CORROSION RESISTANCE	Meets the product standard's requirements.
10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES	Meets the product standard's requirements.
10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT	Meets the product standard's requirements.
10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS	Meets the product standard's requirements.
10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION	Meets the product standard's requirements.
10.2.5 LIFTING	Does not apply, since the entire switchgear needs to be evaluated.
10.2.6 MECHANICAL IMPACT	Does not apply, since the entire switchgear needs to be evaluated.
10.2.7 INSCRIPTIONS	Meets the product

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DECLARATIONS OF CONFORMITY	eaton-power-supply-unit-declaration-of-conformity-uk251050en.pdf
MCAD MODEL	easy200_pow.stp
□□□□□	IL05012003Z.pdf
□□	eaton-electrical-timers-dimensions-easy-accessory-dimensions.eps eaton-power-supply-units-switching-easy-accessory-3d-drawing.eps

	standard's requirements.
10.3 DEGREE OF PROTECTION OF ASSEMBLIES	Meets the product standard's requirements.
10.4 CLEARANCES AND CREEPAGE DISTANCES	Meets the product standard's requirements.
10.5 PROTECTION AGAINST ELECTRIC SHOCK	Does not apply, since the entire switchgear needs to be evaluated.
10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS	Does not apply, since the entire switchgear needs to be evaluated.
10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS	Is the panel builder's responsibility.
10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS	Is the panel builder's responsibility.
10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH	Is the panel builder's responsibility.
10.9.3 IMPULSE WITHSTAND VOLTAGE	Is the panel builder's responsibility.
10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL	Is the panel builder's responsibility.
BURST IMPULSE	2 kV, according to IEC/EN 61000-4-4, Level 3
MOUNTING METHOD	Screw fixing using fixing brackets ZB4-101-GF1 (accessories) Top-hat rail fixing (according to IEC/EN 60715, 35 mm)
AIR PRESSURE	795 - 1080 hPa (operation)
ALTITUDE	Max. 2000 m
ENVIRONMENTAL CONDITIONS	Clearance in air and creepage distances according to EN 50178 Condensation: prevent with appropriate measures
OUTPUT VOLTAGE	± 1 % (Effect with 25 - 100 % load change) ± 1 % (Effect of input voltage)
DEGREE OF PROTECTION	IP20 (according to IEC/EN 60529, EN 50178, VBG 4)
SCREWDRIVER SIZE	3.5 x 0.8 mm, Terminal screw
MOUNTING POSITION	Vertical Horizontal
OUTPUT VOLTAGE AT DC	12 V

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RATED FREQUENCY - MAX	63 Hz
RATED FREQUENCY - MIN	47 Hz
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	0 A
RATED OUTPUT POWER	10 W
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS	1 W
PRODUCT CATEGORY	Control relays easyE4
CONTACT DISCHARGE	6 kV, according to IEC/EN 61000-4-2, Level 3, ESD
CONSTANT ACCELERATION	2 g, 57 - 150 Hz, according to IEC/EN 60068-2-6, Vibrations
SUPPLY VOLTAGE	24 V DC, Output voltage
CONSTANT AMPLITUDE	0,15 mm, 10 - 57 Hz, according to IEC/EN 60068-2-6, Vibrations
SURGE RATING	6 kV, Surge voltage (EN 50178), 24 V, EMV 2 kV, Supply cables, symmetrical, power pulses (Surge), EMC 0.5kV, outgoer cables symmetrical, EASY...DC, IEC/EN 61000-4-5, level 2, 24 V EMC
CURRENT LIMITATION	20 mA, effectiveness of current limitation, 12 V DC (reference voltage), output current 0.4 A, effectiveness of current limitation, 24 V DC, output current
POWER OUTPUT	8.4 W
AMBIENT OPERATING TEMPERATURE - MAX	55 °C
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
AMBIENT STORAGE TEMPERATURE - MAX	70 °C
AMBIENT STORAGE TEMPERATURE - MIN	40 °C
EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID	0 W
HEAT DISSIPATION CAPACITY PDISS	0 W

HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID	0 W
HEIGHT OF FALL (IEC/EN 60068-2-32) - MAX	1 m
INPUT CURRENT AT AC - MAX	0.17 A
INPUT CURRENT AT DC - MAX	0 A
INPUT VOLTAGE AT AC 50 HZ - MAX	264 V
INPUT VOLTAGE AT AC 50 HZ - MIN	85 V
INPUT VOLTAGE AT AC 60 HZ - MAX	264 V
INPUT VOLTAGE AT AC 60 HZ - MIN	85 V
INPUT VOLTAGE AT DC - MAX	0 V
INPUT VOLTAGE AT DC - MIN	0 V
TERMINAL CAPACITY (FLEXIBLE WITH FERRULE AWG)	22 - 12
ELECTROMAGNETIC FIELDS	10 V/m (according to IEC EN 61000-4-3)
TERMINAL CAPACITY (SOLID AWG)	22 - 12
PROTECTION CLASS	2 (IEC/EN 60536)
DROP AND TOPPLE	50 mm Drop height, Drop to IEC/EN 60068-2-31
IMMUNITY TO LINE-CONDUCTED INTERFERENCE	10 V (according to IEC/EN 61000-4-6)
RADIO INTERFERENCE CLASS	Class B (EN 55022) Class B (EN 55011)
VOLTAGE TOLERANCE	± 4 %, Rated output voltage 12 V DC ± 3 %, Rated output voltage 24 V DC
RELATIVE HUMIDITY	5 - 95 % (non-condensing)
INRUSH CURRENT	5 A (at 25 °C, 230 V)
INSULATION RESISTANCE	According to EN 50178
EFFICIENCY	80 %
LAMP LOAD	2 W (cold, at 24 V DC)
LED INDICATOR	Status Indication of 24 V DC output voltage: Continuous green light LED
MAINS FAILURE	> 10 ms (at 115 V,

BRIDGING	according to IEC/EN 61000-4-11) > 20 ms (at 230 V, according to IEC/EN 61000-4-11)
NUMBER OF PHASES	1
OUTPUT CURRENT AT AC, 50 HZ - MAX	0.35 A
OUTPUT CURRENT AT AC, 60 HZ - MAX	0 A
OUTPUT CURRENT AT DC - MAX	0.35 A
OUTPUT VOLTAGE 1 - MAX	24 V
OUTPUT VOLTAGE 1 - MIN	24 V
OUTPUT VOLTAGE 2 - MAX	0 V
OUTPUT VOLTAGE 2 - MIN	0 V
OUTPUT VOLTAGE 3 - MAX	0 V
OUTPUT VOLTAGE 3 - MIN	0 V
OUTPUT VOLTAGE AT AC 50 HZ - MAX	12 V
OUTPUT VOLTAGE AT AC 50 HZ - MIN	0 V
OUTPUT VOLTAGE AT AC 60 HZ - MAX	0 V
OUTPUT VOLTAGE AT AC 60 HZ - MIN	0 V
OUTPUT VOLTAGE AT DC - MAX	24 V
POTENTIAL ISOLATION	SELV (VDE 0100 Part 410; IEC 60364-4-41, HD 384.4.41 S2) EN 60950, EN 50178 (primary/secondary)
POWER LOSS	Normally 1 W
RATED OPERATIONAL VOLTAGE	100/120/230/240 (-15 %/+10 %)
SHOCK RESISTANCE	15 g, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 11 ms, 18 Impacts
SHORT-CIRCUIT PROTECTION	Yes, Proof against sustained short circuit, 12 V DC (reference voltage), Output current

SHORT-CIRCUIT PROTECTION RATING	1.5 A slow, Fuse 115/230 V, Input voltage
TERMINAL CAPACITY (FLEXIBLE WITH FERRULE)	0.2/2.5 mm²
TERMINAL CAPACITY (SOLID)	0.2/4 mm²
TIGHTENING TORQUE	0.6 Nm, Screw terminals

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
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