

Specifications

Eaton 212319

Eaton easyPOW Power supply unit, 100-240VAC/24VDC, 1.25A, 1-phase, controlled EASY400-POW

General specifications

PRODUCT NAME	Eaton easyPOW power supply unit
CATALOG NUMBER	212319
MODEL CODE	EASY400-POW
EAN	4015082123192
PRODUCT LENGTH/DEPTH	58 mm
PRODUCT HEIGHT	90 mm
PRODUCT WIDTH	72 mm
PRODUCT WEIGHT	0.185 kg
CERTIFICATIONS	IEC 60068-2-6 IEC 60068-2-27 IEC/EN 61000-4 EN 55011 EN 55022
GLOBAL CATALOG	212319

Product specifications

USED WITH	easyE4
POWER CONSUMPTION	35 W typ.
PHASE	Single-phase
VOLTAGE TYPE (SUPPLY VOLTAGE)	AC
FEATURES	Proof against sustained short circuit, hicup mode, approx. 2 Hz (Output current 24 V DC) Overload proof (by current limitation)
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.

Resources

CATALOGS	eaton-product-overview-for-machinery-catalogue-ca08103003zen-en-us.pdf
DECLARATIONS OF CONFORMITY	DA-DC-00004451.pdf DA-DC-00004431.pdf
DRAWINGS	eaton-electrical-timers-control-easy-control-relays-dimensions-002.eps eaton-electrical-timers-dimensions-easy-control-relays-dimensions.eps eaton-power-supply-units-switching-3d-drawing.eps eaton-general-approval-m22-symbol.eps eaton-general-m22-symbol.eps
ECAD MODEL	ETN.EASY400-POW
INSTALLATION INSTRUCTIONS	IL05012003Z.pdf
MANUALS AND USER GUIDES	MN05013003Z_EN MN04902001Z_EN
MCAD MODEL	eaton-easy430_pow-drawing.dwg eaton-easy430_pow-3d-model.stp
SPECIFICATIONS AND DATASHEETS	Eaton Specification Sheet - 212319

10.2.6 MECHANICAL IMPACT	Does not apply, since the entire switchgear needs to be evaluated.
10.2.7 INSCRIPTIONS	Meets the product 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	Condensation: prevent with appropriate measures Clearance in air and creepage distances according to EN 50178
OUTPUT VOLTAGE	± 2 % (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	Horizontal Vertical
OUTPUT VOLTAGE AT DC - MIN	0 V
RATED FREQUENCY - MAX	63 Hz
RATED FREQUENCY - MIN	47 Hz
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	0 A
RATED OUTPUT POWER	30 W
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS	5 W
PRODUCT CATEGORY	Accessories
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	0.5kV, outgoer cables symmetrical, EASY...DC, IEC/EN 61000-4-5, level 2, 24 V EMC 2 kV, Supply cables, symmetrical, power pulses (Surge), EMC 6 kV, Surge voltage (EN 50178), 24 V, EMV
CURRENT LIMITATION	1.5 A, effectiveness of current limitation, 24 V DC, output current
POWER OUTPUT	30 W
AMBIENT OPERATING TEMPERATURE - MAX	55 °C
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
AMBIENT STORAGE TEMPERATURE - MAX	70 °C
AMBIENT STORAGE	-40 °C

TEMPERATURE - MIN	
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	0.6 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 55011) Class B (EN 55022)
VOLTAGE TOLERANCE	± 3 %, Rated output voltage
RELATIVE HUMIDITY	5 - 95 % (non-condensing)
OUTPUT	Parallel switching
INRUSH CURRENT	18 A (at 25 °C, 230 V)

INSULATION RESISTANCE	According to EN 50178
EFFICIENCY	83 %
LAMP LOAD	10 W (at 24 V DC, cold)
LED INDICATOR	Status Indication of 24 V DC output voltage: Continuous green light LED
MAINS FAILURE BRIDGING	> 20 ms (at 115 V, according to IEC/EN 61000-4-11) > 40 ms (at 230 V, according to IEC/EN 61000-4-11)
NUMBER OF PHASES	1
OUTPUT CURRENT AT AC, 50 HZ - MAX	1.25 A
OUTPUT CURRENT AT AC, 60 HZ - MAX	0 A
OUTPUT CURRENT AT DC - MAX	1.25 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	18 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 5 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 RATING	2/1 A slow, Fuse 115/230 V, Input voltage
TERMINAL CAPACITY (FLEXIBLE WITH FERRULE)	0.2/2.5 mm ²
TERMINAL CAPACITY (SOLID)	0.2/4 mm ²
TIGHTENING TORQUE	0.6 Nm, Screw terminals

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



Eaton Corporation plc

Eaton House
30 Pembroke Road
Dublin 4, Ireland
Eaton.com

© 2025 Eaton. All Rights Reserved.

Follow us on social media to get the latest product and support information.

