

Mounting support	Top hat type TH35-15 rail IEC 60715 Top hat type TH35-7.5 rail IEC 60715 Double-profile DIN rail Panel mounting
Supply	SELV EN/IEC 60950-1 SELV EN/IEC 60204-1 SELV IEC 60364-4-41
Dielectric strength	3000 V AC with input to output

Environment

Standards	EN 62368-1 EN/IEC 61010-1 EN 61010-2-201 EN/IEC 61204-3 EN 61000-6-1 EN 61000-6-2 EN 61000-6-3 EN 61000-6-4 EN 61000-3-2 EN 61000-3-3 UL 62368-1 UL 61010-1 UL 61010-2-201 CSA C22.2 No 62368-1 CSA C22.2 No 61010-1 CSA C22.2 No 61010-2-201 IEC 60335-1 EN/IEC 62368-1
Product certifications	CE CULus EAC RCM CB Scheme KC
Environmental characteristic	3M4 IEC 60721-3-3
Operating altitude	5000 m
Shock resistance	100 m/s ² 11 ms
IP degree of protection	IP10
Ambient air temperature for operation	14...122 °F (-10...50 °C) without derating mounting position A, B, C, D, F, G < 6561.68 ft (2000 m) 122...158 °F (50...70 °C) with current derating of 2.5 % per °C mounting position A, B, C, D, F, G < 6561.68 ft (2000 m) 122...158 °F (50...70 °C) with current derating of 2.5 % per °C < 6561.68 ft (2000 m)
Electrical shock protection class	Class I
Pollution degree	2
Vibration resistance	3 mm 2...9 Hz)IEC 60068-2-6 10 m/s ² 9...200 Hz)IEC 60068-2-6
Electromagnetic immunity	Immunity to electrostatic discharge 6 kV contact discharge) EN/IEC 61000-4-2 Immunity to electrostatic discharge 9 kV air discharge) EN/IEC 61000-4-2 Immunity to conducted RF disturbances 10 V/m 80 MHz...2 GHz) EN/IEC 61000-4-3 Immunity to conducted RF disturbances 5 V/m 2...2.7 GHz) EN/IEC 61000-4-3 Immunity to conducted RF disturbances 3 V/m 2.7...6 GHz) EN/IEC 61000-4-3 Immunity to fast transients 4 kV on input-output) EN/IEC 61000-4-4 Surge immunity test 3 kV between power supply and earth) EN/IEC 61000-4-5 Surge immunity test 1.5 kV between phases) EN/IEC 61000-4-5 Immunity to conducted RF disturbances 10 V 0.15...80 MHz) EN/IEC 61000-4-6 Immunity to magnetic fields 30 A/m 50...60 Hz) EN/IEC 61000-4-8 Immunity to voltage dips EN/IEC 61000-4-11 Disturbing field emission EN 55016-2-3 Limits for harmonic current emissions EN 61000-3-2 Conducted disturbance emission EN 55016-1-2 Conducted disturbance emission EN 55016-2-1
Electromagnetic emission	Conducted emissions EN 61000-6-3 Radiated emissions EN 61000-6-4

Ordering and shipping details

Category	22524-ABL1 DEDICATED POWER SUPPLIES
Discount Schedule	CP12
GTIN	3606481500304
Nbr. of units in pkg.	1
Package weight(Lbs)	34.71 oz (984.0 g)
Returnability	Yes
Country of origin	CN

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	2.36 in (6 cm)
Package 1 width	5.51 in (14 cm)
Package 1 Length	9.65 in (24.5 cm)
Unit Type of Package 2	S03
Number of Units in Package 2	9
Package 2 Weight	20.43 lb(US) (9.269 kg)
Package 2 Height	11.81 in (30 cm)
Package 2 width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)

Offer Sustainability

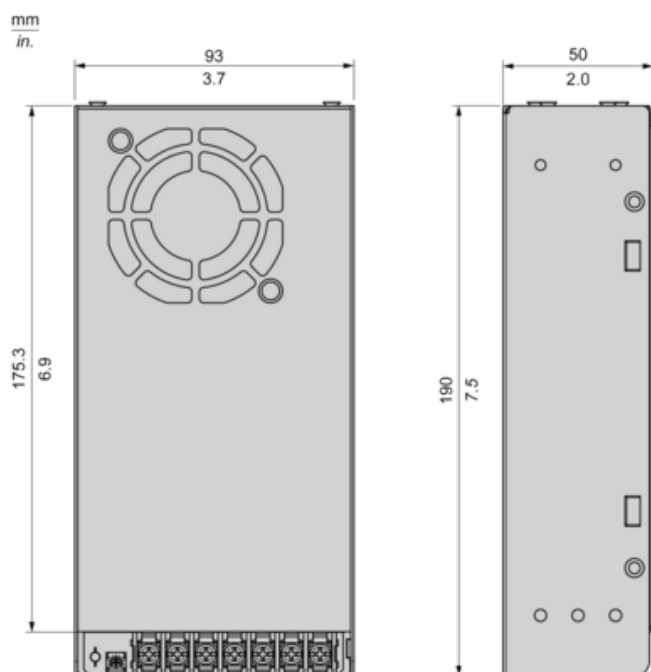
Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
REACH Regulation	REACH Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Electrical Safety

- If the unit is use in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.
- For means of disconnection a switch or circuit breaker, located near the product, must be included in the installation. A marking as disconnecting device for the product is required.
- The device has an internal fuse. The unit is tested and approved with branch circuit protective device up to 20A. This circuit breaker can be used as disconnecting device.
- The power supply is only suitable for audio, video, information, communication, industrial and control equipment.

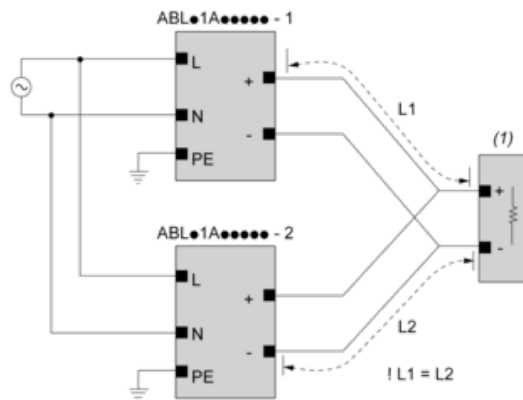
Dimensions

Front and Side Views



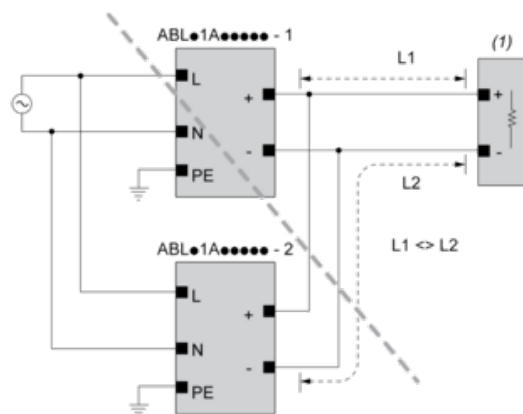
Connections and Schema

Correct Parallel Connection



(1) : Load

Incorrect Parallel Connection



(1) : Load

ABLx1Axxxxx-1 = ABLx1Axxxxx-2

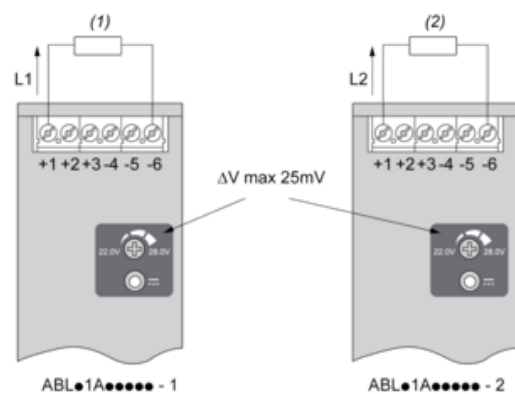
max 2 x ABLx1Axxxxx

$I_{L1} = I_{L2}$

ΔV max 25 mV

$I_{Load} < 90\% \times I_{nom}$

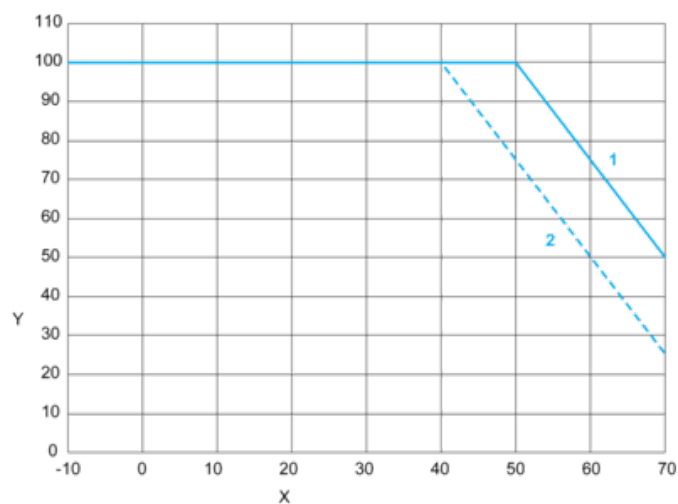
Output Voltage Balancing



(1) : R_{Load1}

Performance Curves

Mounting Positions A, B, C, D, F and G



X : Surrounding Air Temperature

Y : Percentage of Max Load (%)

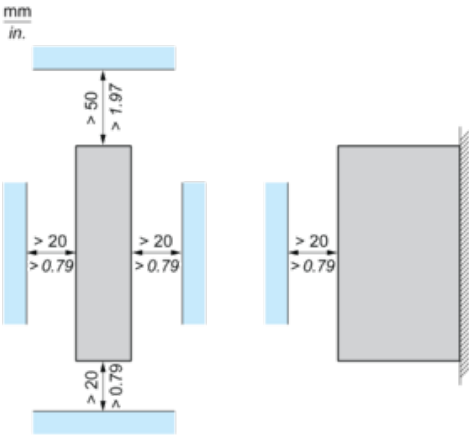
1 : Altitude 2000 m

2 : Altitude 5000 m

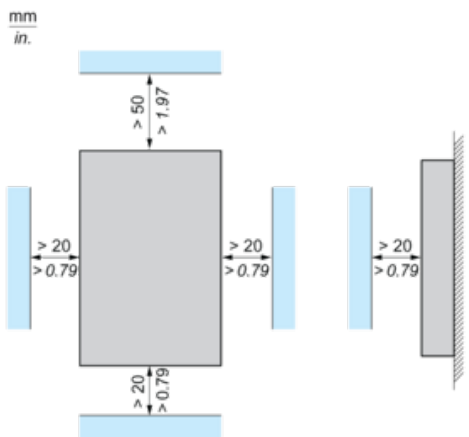
Note : < 100 VAC additional derating by 1.33% / VAC

Mounting

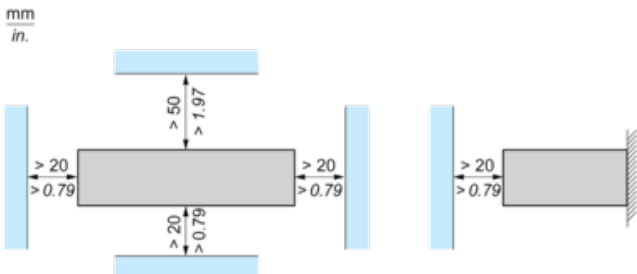
Mounting Position A



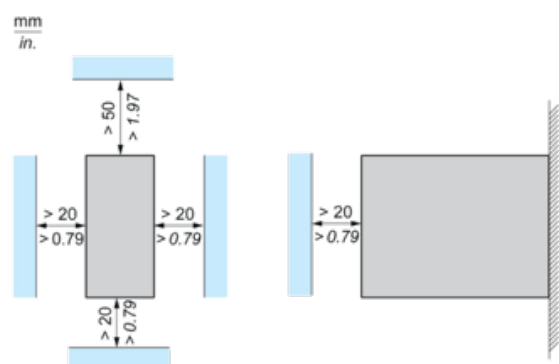
Mounting Position B



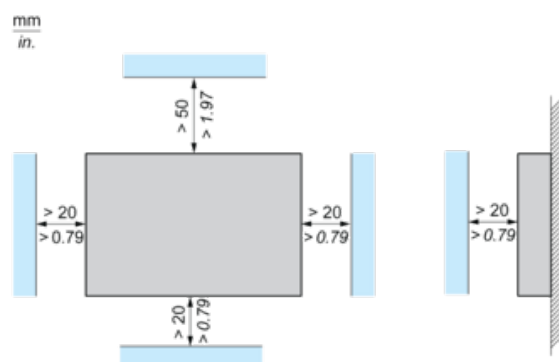
Mounting Position C



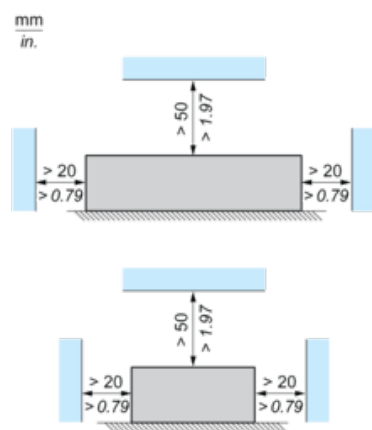
Mounting Position D1



Mounting Position D2 and F



Mounting Position G



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