

Product data sheet

Specifications



Anti Harmonic PowerLogic PFC detuned reactor, 25kvar 252Hz (4.2) 5.7% 60Hz 480V

LVR05250B48T

Product availability: Stock - Normally stocked in distribution facility

Main

Range	PowerLogic
Device short name	DR
Product or Component Type	Detuned reactor
Network Frequency	60 Hz
Reactive power rating	25 kvar 480 V AC 60 Hz
Network rated voltage	480 V AC 60 Hz
Tuning order	4.2 - 252 Hz - 5.7 % - 60 Hz

Complementary

power losses (max)	200 W
Value of inductance	1.421 mH
Inductance tolerance	- 5 % to 5 % per phase
Fundamental current rating	30.1 A
RMS current rating	36.7 A
Electrical Insulation Class	Class H
[Ui] rated insulation voltage	1.1 kV
Dielectric test voltage	4 kV 60 Hz 1 minute
[Imp] maximum permanent current	1.3 x I1
Harmonic current spectrum	2.9 % x I3 67.8 % x I5 18.6 % x I7 6.2 % x I11
Dynamic withstand current	2.2 x Isc
[Ith] conventional free air thermal current	2 A 250 V AC 50 Hz
Type of Installation	Indoor installation
Type of cooling	Forced convection
Connections - terminals	Pad terminal
fixing center	200 x 125 mm
Height	8.7 in (220 mm)
Width	9.4 in (240 mm)
Depth	6.3 in (160 mm)
Net Weight	38.6 lb(US) (17.5 kg)

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Environment

Standards	IEC 60068
IP degree of protection	IP00
Operating altitude	<= 6561.68 ft (2000 m)
Ambient air temperature for operation	32...131 °F (0...55 °C) <= 3280.84 ft (1000 m) 32...122 °F (0...50 °C) > 3280.84...6561.68 ft (> 1000...2000 m)
Average ambient air temperature for operation	50 °C <= 3280.84 ft (1000 m) average over 24 hours 40 °C <= 3280.84 ft (1000 m) average over 1 year 45 °C > 3280.84...6561.68 ft (> 1000...2000 m) average over 24 hours 35 °C > 3280.84...6561.68 ft (> 1000...2000 m) average over 1 year)
Climatic withstand	Relative humidity 20...80 % Salt mist 400 V/50 Hz) 250 hours

Ordering and shipping details

Category	US1DE2C00051
Discount Schedule	DE2C
GTIN	3606480541421
Returnability	Yes
Country of origin	US

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	10.079 in (25.600 cm)
Package 1 Width	11.811 in (30.000 cm)
Package 1 Length	12.441 in (31.600 cm)
Package weight(Lbs)	36.509 lb(US) (16.560 kg)
Unit Type of Package 2	P12
Number of Units in Package 2	12
Package 2 Height	19.685 in (50.000 cm)
Package 2 Width	31.496 in (80.000 cm)
Package 2 Length	47.244 in (120.000 cm)
Package 2 Weight	464.558 lb(US) (210.720 kg)

Contractual warranty

Warranty (in months)	18
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Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)



Environmental footprint

Carbon footprint (kg CO2 eq, Total Life cycle)	2437
Environmental Disclosure	Product Environmental Profile

Use Better



Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
EU RoHS Directive	Compliant
REACH Regulation	REACH Declaration

Use Longer



Lifetime extension

Repair	No
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Use Again



Repack and remanufacture

Circularity Profile	No need of specific recycling operations
Take-back	No
WEEE Label	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.