Product datasheet

Specifications

Green Premium™

Anti Harmonic detuned reactor 25kvar 210Hz (4.2) 5.7% 50Hz 400V

LVR05250A40T

Main

Range	PowerLogic
Device Short Name	DR
Product Or Component Type	Detuned reactor
Network Frequency	50 Hz
Reactive Power Rating	25 kvar for 400 V AC 50 Hz
Network Rated Voltage	400 V AC 50 Hz
Tuning Order	4.2 - 210 Hz - 5.7 % - 50 Hz

Complementary

Power Losses (Max)	200 W
Value Of Inductance	1.227 mH
Inductance Tolerance	- 5 % to 5 % per phase
Fundamental Current Rating	36.1 A
Rms Current Rating	44 A
Electrical Insulation Class	Class H
[Ui] Rated Insulation Voltage	1.1 kV
Dielectric Test Voltage	4 kV 50 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 at 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	220 mm
Width	240 mm
Depth	160 mm
Net Weight	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	<= 2000 m
Ambient Air Temperature For Operation	0…55 °C at <= 1000 m 0…50 °C at > 1000...2000 m
Average Ambient Air Temperature For Operation	50 °C at <= 1000 m (average over 24 hours) 40 °C at <= 1000 m (average over 1 year) 45 °C at > 1000...2000 m (average over 24 hours) 35 °C at > 1000...2000 m (average over 1 year)
Climatic Withstand	Relative humidity: 20...80 % Salt mist (400 V/50 Hz) : 250 hours

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	25.600 cm
Package 1 Width	30.000 cm
Package 1 Length	31.400 cm
Package 1 Weight	16.807 kg
Unit Type Of Package 2	P12
Number Of Units In Package 2	12
Package 2 Height	50.000 cm
Package 2 Width	80.000 cm
Package 2 Length	120.000 cm
Package 2 Weight	213.684 kg

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO_2 products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >

Transparency RoHS/REACh

Well-being performance

Reach Free Of Svhc

Rohs Exemption Information Yes

Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant EU RoHS Declaration
China Rohs Regulation	China RoHS declaration Pro-active China RoHS declaration (out of China RoHS legal scope)
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	No need of specific recycling operations