Product datasheet

Specifications

Green Premium™

Anti Harmonic detuned reactor 100kvar 210Hz (4.2) 5.7% 50Hz 400V

LVR05X00A40T

Main

Range	PowerLogic
Device Short Name	DR
Product Or Component Type	Detuned reactor
Network Frequency	50 Hz
Reactive Power Rating	100 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)	480 W
Value Of Inductance	0.307 mH
Inductance Tolerance	- 5 % to 5 % per phase
Fundamental Current Rating	144.3 A
Rms Current Rating	176.1 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	350 mm
Width	350 mm
Depth	220 mm
Net Weight	46 kg

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	41.000 cm
Package 1 Width	40.000 cm
Package 1 Length	60.000 cm
Package 1 Weight	46.550 kg
Unit Type Of Package 2	P06
Number Of Units In Package 2	2
Package 2 Height	55.000 cm
Package 2 Width	60.000 cm
Package 2 Length	80.000 cm
Package 2 Weight	99.500 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