

Product data sheet

Specifications



Anti Harmonic PowerLogic PFC detuned reactor, 50kvar 210Hz (4.2) 5.7% 50Hz 690V

LVR05500A69T

⚠ To be discontinued on: Sep 30, 2024

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Main

Range	PowerLogic
Device Short Name	DR
Product Or Component Type	Detuned reactor
Network Frequency	50 Hz
Reactive Power Rating	50 kvar for 690 V AC 50 Hz
Network Rated Voltage	690 V AC 50 Hz
Tuning Order	4.2 - 210 Hz - 5.7 % - 50 Hz

Complementary

Power Losses (Max)	320 W
Value Of Inductance	1.827 mH
Inductance Tolerance	- 5 % to 5 % per phase
Fundamental Current Rating	41.8 A
Rms Current Rating	51 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	270 mm
Width	260 mm
Depth	200 mm

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

Net Weight	29.5 kg
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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	31.500 cm
Package 1 Width	35.000 cm
Package 1 Length	54.000 cm
Package 1 Weight	40.000 kg
Unit Type Of Package 2	P06
Number Of Units In Package 2	2
Package 2 Height	50.000 cm
Package 2 Width	80.000 cm
Package 2 Length	60.000 cm
Package 2 Weight	81.500 kg

Sustainability

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Transparency RoHS/REACH

Well-being performance

✓ Reach Free Of Svhc

✓ Rohs Exemption Information [Yes](#)

Certifications & Standards

Reach Regulation	REACH Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope) 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
Circularity Profile	No need of specific recycling operations