

Product data sheet

Characteristics

LVR05500A40T

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



Main

Range	VarPlus
Device short name	DR
Product or component type	Detuned reactor
Network frequency	50 Hz
Reactive power rating	50 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)	320 W
Value of inductance	0.614 mH
Inductance tolerance	- 5 % to 5 % per phase
Fundamental current rating	72.2 A
RMS current rating	88 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 I ₁
Harmonic current spectrum	2.9 % x I ₃ 67.8 % x I ₅ 18.6 % x I ₇ 6.2 % x I ₁₁
Dynamic withstand current	2.2 x I _{sc}
[I _{th}] 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
Net weight	24 kg

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 Weight	31 kg
Package 1 Height	40 cm
Package 1 width	48 cm
Package 1 Length	60 cm
Unit Type of Package 2	P06
Number of Units in Package 2	2
Package 2 Weight	62 kg
Package 2 Height	50 cm
Package 2 width	80 cm
Package 2 Length	60 cm

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	 REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Compliant  EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	 Yes
China RoHS Regulation	 China RoHS Declaration
Environmental Disclosure	 Product Environmental Profile