

# Product data sheet

## Characteristics

# LVR05250A40T

Anti Harmonic detuned reactor 25kvar 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	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

### 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	16.807 kg
Package 1 Height	25.6 cm
Package 1 width	30 cm
Package 1 Length	31.4 cm
Unit Type of Package 2	P12
Number of Units in Package 2	12
Package 2 Weight	213.684 kg
Package 2 Height	50 cm
Package 2 width	80 cm
Package 2 Length	120 cm

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	 <a href="#">REACH Declaration</a>
REACH free of SVHC	Yes
EU RoHS Directive	Compliant  <a href="#">EU RoHS Declaration</a>
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	 <a href="#">Yes</a>
China RoHS Regulation	 <a href="#">China RoHS Declaration</a>
Environmental Disclosure	 <a href="#">Product Environmental Profile</a>