

# Product data sheet

Specifications



## Anti Harmonic PowerLogic PFC detuned reactor, 12.5kvar 252Hz (4.2) 5.7% 60Hz 480V

LVR05125B48T

### Main

Range	PowerLogic
Device short name	DR
Product or component type	Detuned reactor
Network frequency	60 Hz
Reactive power rating	12.5 kvar for 480 V AC 60 Hz
Network rated voltage	480 V AC 60 Hz
Tuning order	4.2 - 252 Hz - 5.7 % - 60 Hz

### Complementary

Power losses (max)	150 W
Value of inductance	2.764 mH
Inductance tolerance	- 5 % to 5 % per phase
Fundamental current rating	15 A
RMS current rating	18.3 A
Electrical insulation class	Class H
[Ui] rated insulation voltage	1.1 kV
Dielectric test voltage	4 kV 60 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

<b>Depth</b>	160 mm
<b>Net weight</b>	13 kg

## Environment

<b>Standards</b>	IEC 60068
<b>IP degree of protection</b>	IP00
<b>Operating altitude</b>	<= 2000 m
<b>Ambient air temperature for operation</b>	0...55 °C at <= 1000 m 0...50 °C at > 1000...2000 m
<b>Average ambient air temperature for operation</b>	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)
<b>Climatic withstand</b>	Relative humidity: 20...80 % Salt mist (400 V/50 Hz) : 250 hours

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Weight</b>	14.5 kg
<b>Package 1 Height</b>	24.0 cm
<b>Package 1 width</b>	30.0 cm
<b>Package 1 Length</b>	31.0 cm
<b>Unit Type of Package 2</b>	P06
<b>Number of Units in Package 2</b>	6
<b>Package 2 Weight</b>	95.5 kg
<b>Package 2 Height</b>	50.0 cm
<b>Package 2 width</b>	80.0 cm
<b>Package 2 Length</b>	60.0 cm