

# Product data sheet

Specifications



## Anti Harmonic PowerLogic PFC detuned reactor, 100kvar 252Hz (4.2) 5.7% 60Hz 480V

LVR05X00B48T

### Main

Range	PowerLogic
Device short name	DR
Product or component type	Detuned reactor
Network frequency	60 Hz
Reactive power rating	100 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)	480 W
Value of inductance	0.474 mH
Inductance tolerance	- 5 % to 5 % per phase
Fundamental current rating	90.2 A
RMS current rating	110.1 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 I <sub>1</sub>
Harmonic current spectrum	2.9 % x I <sub>3</sub> 67.8 % x I <sub>5</sub> 18.6 % x I <sub>7</sub> 6.2 % x I <sub>11</sub>
Dynamic withstand current	2.2 x I <sub>sc</sub>
[I <sub>th</sub> ] 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	35 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	47.0 kg
Package 1 Height	40.0 cm
Package 1 width	56.0 cm
Package 1 Length	60.0 cm
Unit Type of Package 2	P06
Number of Units in Package 2	2
Package 2 Weight	102.5 kg
Package 2 Height	50.0 cm
Package 2 width	80.0 cm
Package 2 Length	60.0 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> Pro-active China RoHS declaration (out of China RoHS legal scope)
Environmental Disclosure	<a href="#">Product Environmental Profile</a>