

Product data sheet

Specifications



Anti Harmonic PowerLogic PFC detuned reactor, 25kvar 252Hz (4.2) 5.7% 60Hz 400V

LVR05250B40T

Main

Range	PowerLogic
Device short name	DR
Product or component type	Detuned reactor
Network frequency	60 Hz
Reactive power rating	25 kvar for 400 V AC 60 Hz
Network rated voltage	400 V AC 60 Hz
Tuning order	4.2 - 252 Hz - 5.7 % - 60 Hz

Complementary

Power losses (max)	200 W
Value of inductance	1 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 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

Depth	160 mm
Net weight	17 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	18.0 kg
Package 1 Height	24.5 cm
Package 1 width	29.0 cm
Package 1 Length	31.0 cm
Unit Type of Package 2	P06
Number of Units in Package 2	6
Package 2 Weight	116.5 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	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 Pro-active China RoHS declaration (out of China RoHS legal scope)
Environmental Disclosure	Product Environmental Profile