Product data sheet
Characteristics

LVR05250B48T
Anti Harmonic PowerLogic PFC detuned reactor, 25kvar 252Hz (4.2) 5.7% 60Hz 480V

Main

Range	PowerLogic
Device short name	DR
Product or component type	Detuned reactor
Network frequency	60 Hz
Reactive power rating	25 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)	200 W
Value of inductance	1.421 mH
Inductance tolerance	- 5 % to 5 % per phase
Fundamental current rating	30.1 A
RMS current rating	36.7 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	17.5 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

Offer Sustainability

Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
REACh free of SVHC	Yes
EU RoHS Directive	Compliant EU RoHS Declaration
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	No need of specific recycling operations
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins