Product data sheet
Characteristics

LVR05500B48T
Anti Harmonic PowerLogic PFC detuned reactor, 50kvar 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	50 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	320 W
Value of inductance	0.71 MH
Inductance tolerance	- 5 % to 5 % per phase
Fundamental current rating	60.1 A
Maximum current Irms	73.4 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	270 Mm
Width	260 Mm
Depth	200 Mm
Net weight	24.5 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 Height	31.000 Cm
Package 1 Width	35.000 Cm
Package 1 Length	55.000 Cm
Package 1 Weight	29.000 Kg
Unit Type of Package 2	P06
Number of Units in Package 2	2
Package 2 Height	50.000 Cm
Package 2 Width	80.000 Cm
Package 2 Length	60.000 Cm
Package 2 Weight	66.500 Kg

Offer Sustainability

Recyclability potential, in %	1
Total lifecycle Carbon footprint	7 040 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	161.83183210500465
Carbon footprint of the manufacturing phase [A1 to A3]	162 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	21.662754108822902
Carbon footprint of the distribution phase [A4]	22 kg CO2 eq.
Carbon footprint of the installation phase [A5]	3.4160113810599033
Carbon footprint of the installation phase [A5]	3 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	6800.040281336196
REACh free of SVHC	Yes
Carbon footprint of the use phase [B2, B3, B4, B6]	6 800 kg CO2 eq.
Sustainable packaging	No
Carbon footprint of the end-of-life phase [C1 to C4]	53.5148489732862
Carbon footprint of the end-of-life phase [C1 to C4]	54 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	7040
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
REACh Regulation	Free of Substances of Very High Concern above the threshold
EU RoHS Directive	Compliant
End of life manual availability	No need of specific recycling operations
Take-back	No
WEEE Label	The product must be disposed on European Union markets following specific waste collection and

Contractual warranty

Warranty (in months)	18

Product Life Status :	Commercialised