

Product datasheet

Specifications



Anti Harmonic detuned reactor 50kvar 190Hz (3.8) 7% 50Hz 400V

LVR07500A40T

Main

Range	PowerLogic
Device short name	DR
Product or component type	Detuned reactor
Network frequency	50 Hz
Reactive power rating	50 kvar for 400 V AC 50 Hz
Network rated voltage	400 V AC 50 Hz
Tuning order	3.8 - 190 Hz - 7 % - 50 Hz

Complementary

power losses (max)	320 W
Value of inductance	0.75 mH
Inductance tolerance	- 5 % to 5 % per phase
Fundamental current rating	72.2 A
RMS current rating	77.9 A
Electrical insulation class	Class H
[Ui] rated insulation voltage	1.1 kV
Dielectric test voltage	4 kV 50 Hz 1 minute
[Imp] maximum permanent current	1.2 x I ₁
Harmonic current spectrum	3.7 % x I ₃ 38.2 % x I ₅ 13.6 % x I ₇ 4.9 % x I ₁₁
Dynamic withstand current	2.2 x I _{sc}
[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	22 kg

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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	53.0 cm
Package 1 Width	40.0 cm
Package 1 Length	60.0 cm
Package 1 Weight	35.25 kg
Unit Type of Package 2	P06
Number of Units in Package 2	2
Package 2 Height	70.0 cm
Package 2 Width	60.0 cm
Package 2 Length	80.0 cm
Package 2 Weight	75.5 kg

Contractual warranty

Warranty (in months)	18
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Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Environmental footprint

Total lifecycle Carbon footprint	5194
Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
EU RoHS Directive	Compliant
REACH Regulation	REACH Declaration

Use Longer

Lifetime extension

Repair	No
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Use Again

Repack and remanufacture

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 never end up in rubbish bins