

Product data sheet

Specifications



Anti Harmonic PowerLogic PFC detuned reactor, 12.5kvar 252Hz (4.2) 5.7% 60Hz 220V

LVR05125B22T

Main

| | |
|---------------------------|------------------------------|
| Range | PowerLogic |
| Device short name | DR |
| Product or component type | Detuned reactor |
| Network frequency | 60 Hz |
| Reactive power rating | 12.5 kvar for 220 V AC 60 Hz |
| Network rated voltage | 220 V AC 60 Hz |
| Tuning order | 4.2 - 252 Hz - 5.7 % - 60 Hz |

Complementary

| | |
|---|---|
| Power losses (max) | 150 W |
| Value of inductance | 0.618 mH |
| Inductance tolerance | - 5 % to 5 % per phase |
| Fundamental current rating | 32.8 A |
| RMS current rating | 40 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 | 12.5 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 Weight | 12.0 kg |
| Package 1 Height | 25.0 cm |
| Package 1 width | 29.5 cm |
| Package 1 Length | 31.0 cm |
| Unit Type of Package 2 | P06 |
| Number of Units in Package 2 | 6 |
| Package 2 Weight | 80.5 kg |
| Package 2 Height | 50.0 cm |
| Package 2 width | 80.0 cm |
| Package 2 Length | 60.0 cm |