



Main

Range of product	Varplus
Device short name	DR
Product or component type	Detuned reactor
Network frequency	50 Hz
Reactive power rating	12.5 kvar at 400...415 V AC 50 Hz
Network rated voltage	400...415 V AC 50 Hz
Tuning order	4.3 - 215 Hz - 5.7 % - 50 Hz

Complementary

Power losses	150 W
Value of inductance	2.37 mH
Inductance tolerance	- 5 % to 5 % per phase
Fundamental current rating	17.9 A
Electrical insulation class	Class H
[Ui] rated insulation voltage	1.1 kV
Dielectric test voltage	4 kV for 1 minute at 50 Hz
[Imp] maximum permanent current	1.31 x I _n
Harmonic current spectrum	19 % x I ₇ 2 % x I ₃ 6 % x I ₁₁ 69 % x I ₅
Dynamic withstand current	2.2 x I _{sc}
[I _{th}] conventional free air thermal current	2 A at 250 V AC 50 Hz
Type of installation	Indoor installation
Type of cooling	Natural
Connections - terminals	Screw type connector
Fixing center	205 x 110 mm
Height	230 mm
Width	245 mm
Depth	140 mm
Product weight	12 kg

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Environment

Standards	EN 60289 IEC 60289
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

Contractual warranty

Warranty period	18 months
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