



Main

Range	VarPlus
Device short name	DR
Product or component type	Detuned reactor
Network frequency	50 Hz
Reactive power rating	100 kvar at 400 V AC 50 Hz
Network rated voltage	400 V AC 50 Hz
Tuning order	2.7 - 135 Hz - 14 % - 50 Hz

Complementary

Power losses (max)	600 W
Value of inductance	0.799 mH
Inductance tolerance	- 5 % to 5 % per phase
Fundamental current rating	144.3 A
RMS current rating	147.2 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	1.12 x I ₁₁
Harmonic current spectrum	5.5 % x I ₃ 10.7 % x I ₅ 5.3 % x I ₇ 2.1 % x I ₁₁
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	Forced convection
Connections - terminals	Pad terminal

Fixing center	200 x 125 mm
Height	350 mm
Width	350 mm
Depth	220 mm
Product weight	55 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
RoHS (date code: YYWW)	Compliant - since 1508 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product environmental profile	Available Product Environmental Profile
Product end of life instructions	Need no specific recycling operations