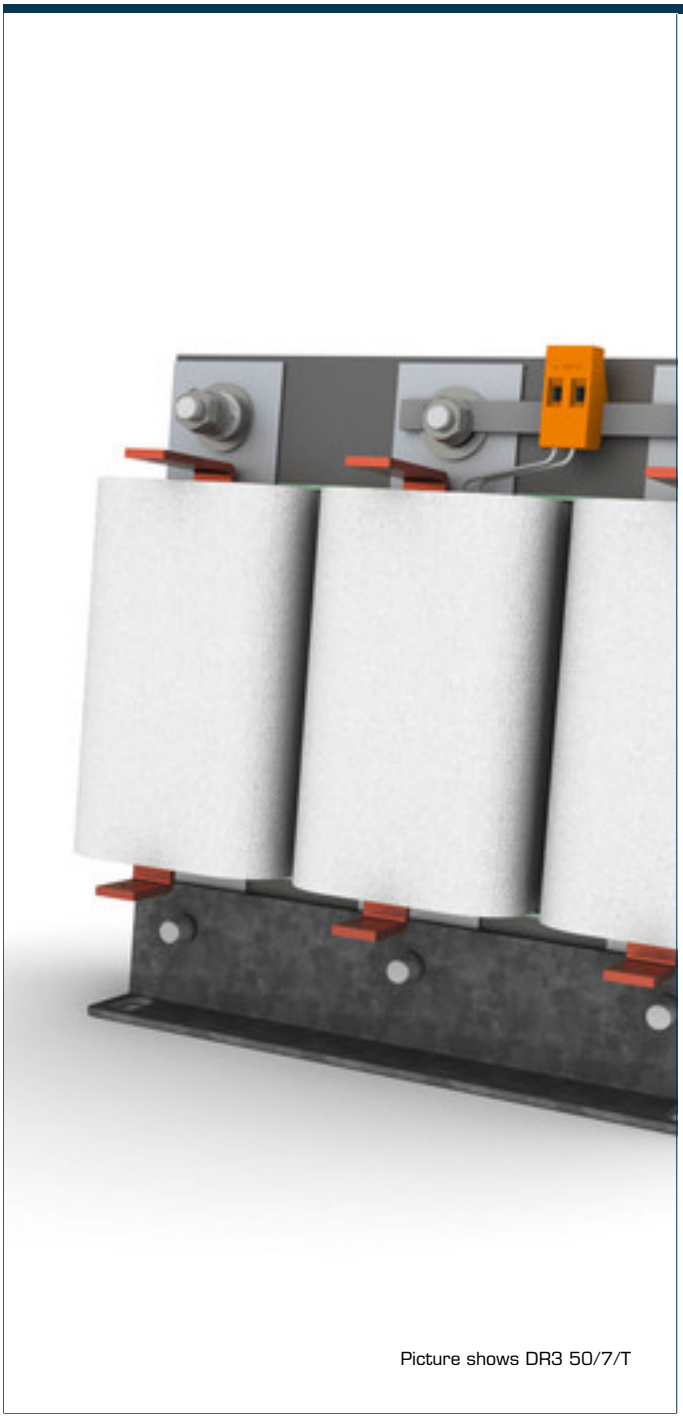
Detuned reactor

DR3 50/14



Picture shows DR3 50/7/T

Advantages

- No overloading of the capacitors
- Stabilizing mains impedance
- Low inductance tolerance
- Very good corrosion protection and low noise thanks to vacuum impregnation
- Extended linearity
- Thermal design for continuous duty in the event of mains operation and harmonics
- Optional with thermal switch

Applications

Detuned reactor for choking idle reactive power compensation capacitors.

Standards

Detuning reactor in accordance with EN 61558 Part 1, 61558 Part 20, UL 506, CSA 22.2

Approvals

UL 506, CSA 22.2

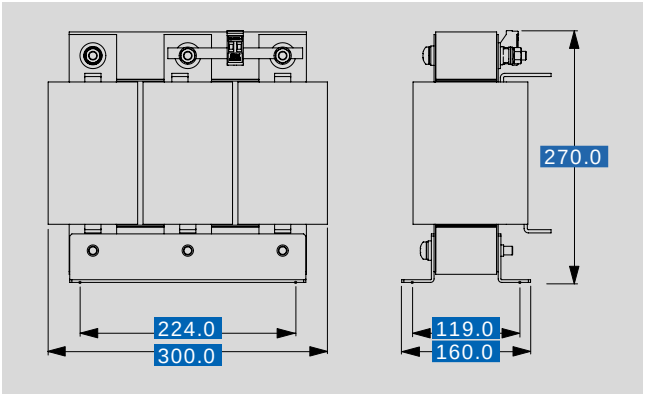
Detuned reactor
DR3 50/14

Electrical data

Type	DR3 50/14
Operating data	
Rated voltage	3 x 400 Vac
Rated frequency	50 Hz
Current per phase at 50 Hz (I)	72.0 A
for reactive power	50.0 kVAr
Inductance linear to (at #95 % L; Im)	129.6 A
Inductance per phase (L)	1.660 mH
Tolerance	±3 %
Detuning factor	p = 14 %
Temperature control	No
Resonance frequency	134 Hz
Output	
Power loss	320.0 W
Approvals	
Approvals	EAC
Environment	
Ambient temperature max.	40 °C (60 °C Cl. H)
Safety and protection	
Type	Open type
Insulation class	F (40 °C) / H (60 °C)
Protection index	IP 00
Safety class (prepared)	I
Test voltage	2500 Vac, 50 Hz
Order numbers	
Order Number	**DR3 50/14**

Mechanical data

Type	DR3 50/14
Terminal and mounting	
Fixing method	Fixing rail
Fixing screws	M8
Terminals phase	Flat copper
Terminals PE	Bolt, M8
Measures and weights	
Weight	39.00 kg



Subject to change.