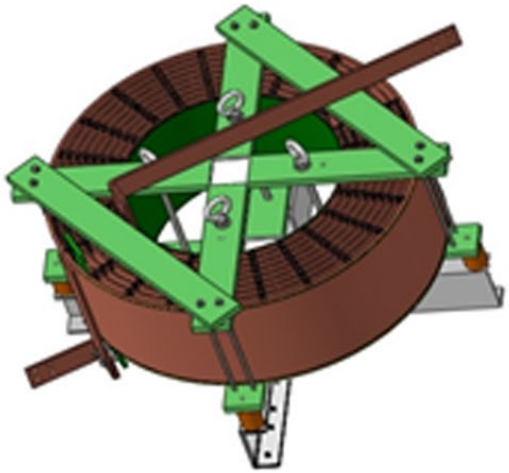
ENERGOREMONT PRODUCTS

CURRENT LIMITING REACTOR

Construction consists of three one-phase air reactors which may be assembled into a three-phase unit with possible vertical or horizontal installation. Assembling into a three-phase unit can be done in Green Trafo or at the place of installation.



General technical characteristics:

- → Rated Voltage (kV): **6, 10, 20**
- → Rated Current (one-phase) (A): **up to 2000**
- → Montage three-phase: **vertical or horizontal**
- → Temperature class: **F (155)**
- → Standard: **IEC 60076-6**
- → Highest voltage level of equipment (kV): **7.2, 12, 24**
- → Connection: **III (three single-phase units)**
- → Cooling: **AN**
- → Frequency (Hz): **50**

<u>The above technical characteristics can be adjusted to the particular customer's needs.</u>

Current Limiting Reactor (PKS 10 90 400 5)

Current Limiting Reactor (PKS 2000-0,58)

CURRENT LIMITING REACTOR - TECHNICAL DATA

Manufacturer			**ENERGOREMONT, Belgrade**	
Reactor type			**DRY class (F 155)**	
Montage			**Vertical**	**Horizontal**
Standard			**IEC EN 60076-6**	
Label			**PKS 10 90 400 5**	**PKS 2000-0,58**
1	Number of phases		**3**	
2	Rated frequency	[Hz]	**50**	
3	Highest voltage level of equipment	[kV]	**12**	**7,2**
4	Rated insulating level	[kV]	**LI 75 AC 28**	**LI 60 AC 20**
5	Rated voltage	[kV]	**10**	**6**
6	Inductance per phase	mH	**90**	**0.58**
7	Active resistance per phase	ohm	**1.72**	**0.182**
8	Thermal short-circuit current	A	**204**	**21**
9	Peak value of short-circuit current	A	**531**	**55**
10	Thermal endurance of current	A,sec	**400A max 7.7sec**	**21A max 1sec**
11	Rated current	A	**20**	**2000**
Temperature rises, installation				
12	Maximal ambient temperature	[C]	**40**	
13	Maximal temp. rise of conductor	[K]	**100**	
14	Mechanical protection		**IP 00**	
15	Thermal class of insulation		**F (155^{o}C)**	
16	Type of cooling		**ONAN**	
17	Place of installation		**Indoor**	
Maximal dimensions and masses				
18	Maximal dim. of the Reactor:		**Three phases together**	**One of three phases**
	a) length	[mm]	**550**	**1360**
	b) wide	[mm]	**550**	**1360**
	c) height	[mm]	**1650**	**960**
19	Approx. mass of the total	[kg]	**240**	**750**