

>>> Low voltage shunt reactors

The products, also called decompensation reactors or reactors bank, are generally used in parallel connections in the system to produce the inductive reactive power, in order to eliminate the capacitive loads of the cables and reduce the energy cost.

Technical Data

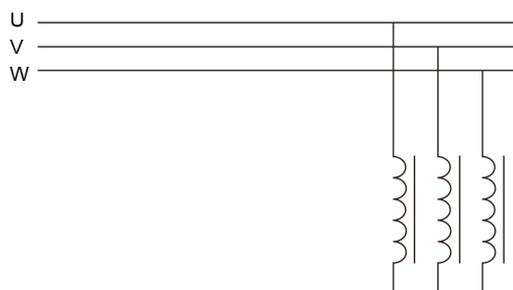
Standard	EN 60076-6, EN 61558-2-20, UL1446
Rated voltage	230V to 1000V
Rated frequency	50Hz/60Hz
Dielectric test	50Hz 3kV, 60s
Cooling method	Natural air
Ambient temperature	-25 to +50°C
Elevation above sea level	≤1000m a.s.l. (≤5000m optional)
Protection class	IP00 indoor mounting
Inductance tolerance	0/+5% (or +/-3% as requested)
Blocking factor	100%
Insulation class	H (UL approved resin)
Maximum humidity	95%
Design method	Single phase or three phase, dry type iron core, multiple air gap
Winding material	Copper/ Aluminum
Thermal protection	135°C normally closed switch (optional)
Terminals	Copper terminals or busbars
Approval marks	CE, TUV, EAC, c  us

Features

- ★ VPI in full automatic system
- ★ Over heat protection
- ★ Copper connections
- ★ Anti-dust non-wooden packing
- ★ Certified by international standards
- ★ Suitable for long transmission lines

Connection Diagram

(where the system is capacitive)



Ordering Code	U_N (V)	Q(kVar)	L_N (mH)	I_N (A)	Weight(kg)
$f_N=50\text{Hz}, 3\text{Phase}, \text{Aluminum wire winding}$					
LTSR30400001AL	400	1	505	1.45	15
LTSR30400002AL		2	252	2.9	16
LTSR30400005AL		5	102	7.2	37
LTSR30400010AL		10	51.2	14.4	45
LTSR30400012AL		12.5	40	18	73
LTSR30400015AL		15	33.6	22	77
LTSR30400020AL		20	25.3	28.9	78
LTSR30400025AL		25	20.4	36.3	121
LTSR30400030AL		30	16.6	43.5	156
LTSR30400040AL		40	12.75	58	179
LTSR30400050AL		50	10.2	72.5	235

Other specifications are available upon request.

