THREE-PHASE REACTORS

LINE

RET 9

RET 9 LINE REACTOR

Three-phase reactors intended for the attenuation of notches and spikes, reduction of harmonics and limitation of inrush currents in converters and variable speed drives. Drop voltage of 4% of the rated voltage (400V). Manufactured with electrical steel with low losses and copper windings. On request we can manufacture reactors with other characteristics or with thermal switch.

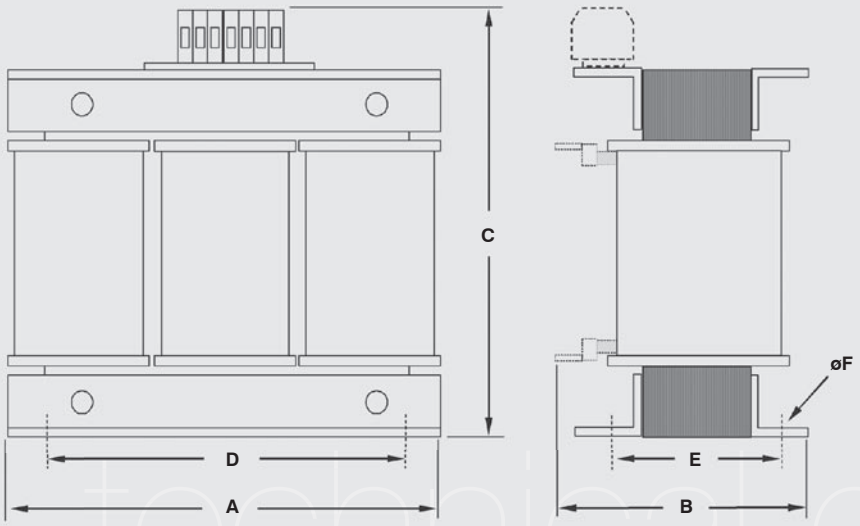
TECHNICAL DATA

Voltage drop: 4% at I_N (400V)
Thermal class: B
Max. ambient temperature: 40°C
Frequency: 50 Hz
Class I
Protection index: IP00
Dielectric strength: > 4 kV
Natural air cooling
Other characteristics on request

CURRENT (A)	(mH)	REFERENCE	DIMENSIONS (mm) A	B	C	D	FIXING (mm) E	F	WEIGHT (kg)
10	2,928	**9010100290**	180	90	205	140	55	6	4,5
16	1,830	**9016100180**	180	90	205	140	55	6	4,8
20	1,464	**9020100140**	180	90	205	140	55	6	5,2
25	1,171	**9025100110**	180	90	205	140	55	6	5,5
32	0,915	**9032291500**	180	90	220	140	55	6	6,5
40	0,732	**9040273200**	180	100	235	140	65	6	8,5
50	0,586	**9050258600**	180	100	235	140	65	6	9,0
63	0,465	**9063246500**	180	140	185	140	75	6	10,0
80	0,366	**9080236600**	240	140	235	200	75	6	14,0
100	0,293	**9100229300**	240	140	235	200	75	6	15,0
125	0,234	**9125223400**	240	140	235	200	75	6	16,0
160	0,183	**9160218300**	240	150	235	200	85	6	18,5
200	0,146	**9200214600**	300	190	290	200	95	6	30,0

9063246500

DIMENSIONS



THREE-PHASE REACTORS

HARMONIC CIRCUIT FILTER

RET 9

RET 9 HARMONIC CIRCUIT FILTER REACTOR

Three-phase reactors for the protection of capacitor banks in power factor correction equipment with presence of harmonics. Avoids resonance effects, minimizes harmonic currents through the capacitors and reduces the losses, increasing capacitor life. Manufactured with electrical steel with low losses and copper windings. Built-in thermal switch. On request we can manufacture reactors with other characteristics.

TECHNICAL DATA

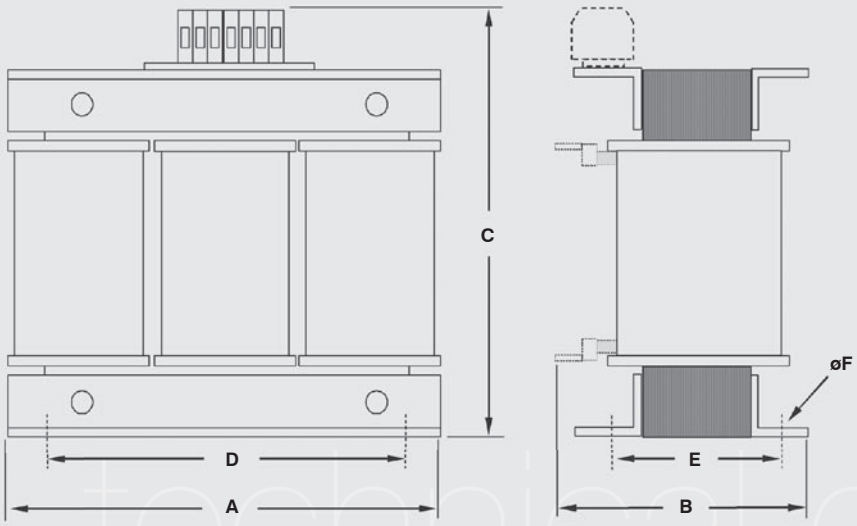
Rated voltage: 400V
Filtering factor p = 0,07 (7%)
fr=189 Hz
Tolerance L: 3%
Linearity (95% L_N): 1,8·I_N
Max. permanent overload: 1,17·I_N
Thermal class: B
Max. ambient temperature: 40°C
Frequency: 50 Hz
Class I
Protection index: IP00
Dielectric strength: > 4 kV
Thermal micro switch
Other characteristics on request

POWER (kvar)*	L (mH)	CURRENT (A)		REFERENCE	DIMENSIONS (mm)				FIXING (mm)		WEIGHT (kg)
		I_N 50 Hz	I_N rms		A	B	C	D	E	F	
5	7,67	7,65	8,44	**9008100760**	180	85	220	140	55	6	6,5
10	3,83	15,3	16,9	**9015100380**	180	95	220	140	65	6	9,0
12,5	3,07	19,1	21,1	**9019100310**	180	105	170	140	75	6	11,5
15	2,56	22,9	25,3	**9023100260**	240	135	230	200	75	6	15,0
20	1,92	30,6	33,7	**9031100190**	240	135	230	200	75	6	15,4
25	1,53	38,2	42,2	**9038100150**	240	135	230	200	75	6	15,9
30	1,28	45,9	50,6	**9046100120**	240	145	230	200	85	6	18,0
40	0,958	61,2	67,5	**9061295800**	240	145	230	200	85	6	20,0
50	0,767	76,5	84,4	**9076276700**	300	170	285	200	95	6	30,0
60	0,639	91,8	101,3	**9092263900**	300	180	285	200	105	6	36,0
70	0,548	107,1	118,2	**9107254800**	300	190	285	200	115	6	40,0
80	0,479	122,4	135,1	**9122247900**	300	200	285	200	125	6	42,0

9038100150

(*) Effective filtered compensating reactive power

DIMENSIONS



STANDARDS
IEC 61558
IEC 60289
EN 61558
EN 60289

IP PROTECTION INDEX

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