

CAPACITORS SELECTION GUIDE

POWER CAPACITORS

APPLICATION TYPE	LOW VOLTAGE PFC KNK	HIGH VOLTAGE PFC KLV	INDUCTION HEATING KLS	RADIO FREQUENCY REMOTE CONTROL KLT	HIGH VOLTAGE DIVIDER KID
PRODUCT PICTURE					
DIELECTRIC	POLYPROPYLENE FILM	ALL- FILM	ALL- FILM	ALL- FILM	MIXED
ELECTRODES	METALLIZED	METAL FOIL	METAL FOIL	METAL FOIL	METAL FOIL
RATED AC VOLTAGE	230 - 690 V	1 - 25 kV	500 - 3000 V	1 - 35/ 3 kV	UP TO 765 kV
RATED FREQUENCY	50/60 Hz	50/60 Hz	50 - 10000 Hz	50 Hz (UP TO 1050 WORKING)	50/60 Hz
RATED POWER OF CAPACITANCE	1.67 - 100 kvar	UP TO 600 kvar	UP TO 4000 kvar	0.1 - 280 µF	2000 pF - 22000 pF
CAPACITANCE TOLAEARANCE	± 5%, ± 10%	- 5% ... + 10%	± 5% ... ± 10%	± 5%	- 5% ... + 10%
CLIMATIC CATEGORY	-25/D	-25/C -40/D ON REQUEST	-25/45 AN +5/+45 WF	-25/C -40/D ON REQUEST	-40/D
STANDARDS	IEC 60831-1/2	IEC 60871, NEMA CP1, IEEE Std 18, IEC 60358	IEC 60110	IEC 60871-1	IEC 60358

POWER FACTOR CORRECTION EQUIPMENT

TYPE	FIXED PF BANKS WITH OR WITHOUT FILTER REACTORS	AUTOMATIC PFC BANKS	AUTOMATIC PFC BANKS WITH HARMONICS FILTER	DYNAMIC PFC BANKS	HIGH VOLTAGE PFC (TURN KEY SOLUTIONS)
PRODUCT PICTURE					
RATED POWER	10 - 100 kvar	17.5 - 1000 kvar *	50 - 1000 kvar * 7 % 189 Hz *	50 - 1000 kvar *	0.3 - 100 Mvar
RATED VOLTAGE	400 V, 50 Hz OTHER VOLTAGES ON REQUEST	400 V, 50 Hz OTHER VOLTAGES ON REQUEST	400 V, 50 Hz OTHER VOLTAGES ON REQUEST	400 V, 50 Hz OTHER VOLTAGES ON REQUEST	UP TO 36 kV
ALLOWED OVERLOADING	1.0 x U _n , PERMANENT 1.1 x U _n , 8 h/DAY 1.3 x I _n , PERMANENT	1.0 x U _n , PERMANENT 1.1 x U _n , 8 h/DAY 1.3 x I _n , PERMANENT	1.0 x U _n , PERMANENT 1.1 x U _n , 8 h/DAY 1.3 x I _n , PERMANENT	1.0 x U _n , PERMANENT 1.1 x U _n , 8 h/DAY 1.3 x I _n , PERMANENT	1.0 x U _n , PERMANENT 1.1 x U _n , 8 h/DAY 1.3 x I _n , PERMANENT
TEMPERATURE RANGE	-25 ... +50 °C	-10 ... +50 °C	-10 ... +50 °C	-10 ... +50 °C	-25 ... +55 °C
DIELECTRIC LOSSES	≤ 0.2 W/kvar	≤ 0.2 W/kvar	≤ 0.2 W/kvar	≤ 0.2 W/kvar	≤ 0.2 W/kvar
TOTAL LOSSES	< 1.5 W/kvar	< 1.5 W/kvar	≤ 5 W/kvar	≤ 8 W/kvar	≤ 5 W/kvar
PROTECTION AGAINST EXCESSIVE VOLTAGE CONTACT	TN-C	TN-C OR TN-S	TN-C OR TN-S	TN-C OR TN-S	DIFFERENT VERSIONS AVAILABLE: - OPEN RACK - ENCLOSED - ONE OR MULTI STEPS
STANDARDS	EN 60831/1-2 EN 60439	EN 60831/1-2 EN 60439	EN 60831/1-2 EN 60439	EN 60831/1-2 EN 60439	IEC 60871 2014 IEC 60071-1/2 IEC 60289 IEC 60529 IEC 62271-100

NOTE: * OTHER TYPES ON REQUEST



CAPACITORS SELECTION GUIDE



Iskra, d.d.
Stegne 21
SI-1000 Ljubljana, Slovenia

Phone: +386 (0) 1 51 31 000
Fax: +386 (0) 1 51 11 532
www.iskra.eu



