Capacitors
for automotive applications

About Iskra Capacitors

Iskra capacitor plant is located in Semič, Slovenia.
With a history going back almost 75 years, ISKRA develops cutting edge products and system solutions. We have a proven global track record in designing, engineering, and manufacturing a wide range of capacitors compliant with the strictest regulations and safety standards.

With our expertise we offer full product customization and make your idea work. Iskra supports your business by producing fully customized capacitors for automotive applications based on your specific requirements while contributing to the increased safety, low energy consumption, and comfort of automobiles.

Our commitment is clear – with utmost precision and dedication to detail, we support our partners all the way.

Long-term trust and quality that will fulfill all your needs.

Certificates

ENEC
ENEC is the high quality European mark for electrical products that demonstrates compliance with European safety standards.

VDE
Standards for innovation and safety

RU
Recognized Component Mark.

RU
Recognized Component Mark for United States and Canada

CQC
China Quality Certification Center

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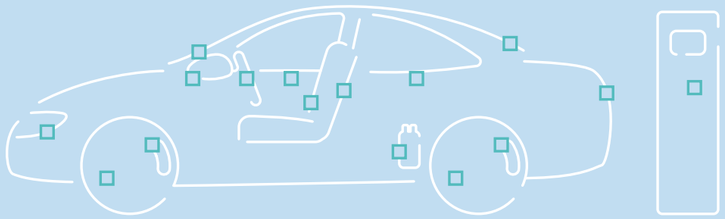
Application	Electric drivers	MKP	MKT	X2, Y2	Power
Power train	Fuel pump		■		
	EV charging station	■		■	■
	DC/DC converter, inverter	■		■	■
Safety	HID lamps	■			
	Tire pressure monitoring		■		
	Breaking system		■		
Comfort	Electric mirrors	■	■		
	Keyless entry	■			
	Electric seats	■	■	■	
	Electric windows	■	■		
	Windscreen wipers	■	■		
	Power steering	■	■		



Innovative. Smart. Sustainable.

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Power capacitors
DC link

Type	KNG191x	KNG204x, KNG304x	HEV/EV	KNA96D6
				
Dielectric	Polypropylene film	Polypropylene film	Polypropylene film	Self healing metallized polypropylene
Electrodes	Metallized	Metal foil and metallized	Metallized	
Rated voltage	450 - 1.300 V DC	600 - 2.200 V DC	480 - 800 V DC	600 VDC at 85 °C
Rated capacitance	0.1 - 480 µF	75 - 1.740 µF	300 - 1.100 µF	480 µF
Capacitance tolerance	± 5%, ± 10%	± 5%, ± 10%	± 5%, ± 10%	±10 % (code K)
Climatic category	40 / 85 / 56	40 / 85 / 56	40 °C ... 85 °C	40 / 85 / 56
Life expectancy	> 100.000 h at U_{NDC}	> 100.000 h at U_{NDC}	> 100.000 h at U_{NDC}	> 100.000 h at U_{NDC}
Terminals	Parallel tinned copper wire (2, 4 or 12 pins)	Female: M6×10 Male: M8×23	Tinned copper	Tinned copper lugs for screw fixing M8
Standards	IEC 61071 AECQ200 (on request)	IEC 61071 cURus UL 810	IEC 61071	IEC 61071

Snubber

Type	KNG491x	KNO19Ax, KNO19Bx	KNO191x
			
Dielectric	Polypropylene film	Polypropylene film	Polypropylene film
Electrodes	Metallized	Double metallized and metallized	Double metallized and metallized
Rated voltage	250 - 875 V DC	630 - 3.000 V DC	630 - 3.000 V DC
Rated capacitance	0.22 - 100 µF	0.047 - 8 µF	0.047 - 8 µF
Capacitance tolerance	± 5%, ± 10%	± 5%, ± 10%	± 5%, ± 10%
Climatic category	40 / 85 / 56	40 / 85 / 56	40 / 85 / 56
Life expectancy	> 100.000 h at U_{NDC}	> 100.000 h at U_{NDC}	> 100.000 h at U_{NDC}
Terminals	Parallel tinned copper wire (2 or 4 pins)	Fixing lugs for M6 or M8 screws	Parallel tinned copper wire (2 or 4 pins)
Standards	IEC 61071 AECQ200 (on request)	IEC 61071 AECQ200 (on request)	IEC 61071 AECQ200 (on request)

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MKP capacitors

Type	KLI1910	KNI1910	KNU1910
			
Dielectric	Polypropylene film	Polypropylene film	Polypropylene film
Electrodes	Metal foil and metallized	Metal foil and metallized	Metallized
Rated DC voltage	100 - 2.000 V	2500 - 2.000 V	250 - 1.600 V
Capacitance range	1.000 pF - 0.22 µF	680 pF - 2.2 µF	1.000 pF – 6.8 µF
Capacitance tolerance	± 5%, ± 10%, ± 20%	± 5%, ± 10%, ± 20%	± 5%, ± 10%, ± 20%
Pulse loading	2.200 - 20.500 V / µs	300 - 7.000 V / µs	45 - 4.500 V / µs
Climatic category	55 / 100 / 56	55 / 100 / 56	55 / 100 / 56
Pitch	10 - 27.5 mm	10 - 27.5 mm	10 - 27.5 mm
Standards / Approvals	EN 60384-13, EN 60384-16	EN 60384-16, EN 60384-17	EN 60384-16

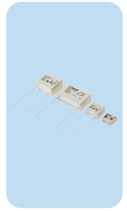
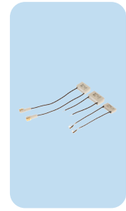
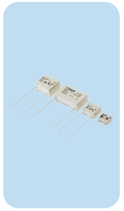
MKT capacitors

Type	KEU1910	KEA1xxx
		
Dielectric	Polyester film	Polyester film
Electrodes	Metallized	Metallized
Rated DC voltage	63 - 2.000 V	100 V
Capacitance range	1.000 pF - 22 µF	0.47 pF – 2.2 µF
Capacitance tolerance	± 5%, ± 10%, ± 20%	± 20%
Pulse loading	2.5 - 90 V / µs	5 V / µs
Climatic category	55 / 100 / 56	-40 °C ... 100 °C
Pitch	10 - 27.5 mm	
Standards / Approvals	IEC 60384-2 AEC-Q200 (on request)	

Y2 capacitors

Type	KNB252x
	
Dielectric	Polypropylene film
Rated AC voltage	250 V, 300 V
Capacitance range	1.000 pF - 0.15 µF
Capacitance tolerance	± 10%, ± 20%
Climatic category	40 / 100 / 56
Standards / Approvals	ENEC 10 VDE IEC/UL 60384-14 CQC cURus AEC-Q200 (on request)

X2 capacitors

Type	KNB156x	KNB153x	KNR153x RC-units	KNB158x
				
Dielectric	Polypropylene film	Polypropylene film	Polypropylene film	Polypropylene film
Rated AC voltage	275 V, 300 V	275 V, 300 V	275 V	305 V, 310 V
Capacitance range	0.01 - 6.8 µF	0.01 - 10 µF	0.01 - 0.47 µF R = 2.2 - 470 Ω	0.01 - 15 µF
Capacitance tolerance	± 10%, ± 20%	± 10%, ± 20%	± 10%, ± 20%	± 10%, ± 20%
Climatic category	40 / 100 / 56 40 / 125 / 56	40 / 100 / 56	40 / 100 / 56	40 / 110 / 56
Standards / Approvals	ENEC-10-VDE IEC/UL 60384-14 CQC cURus AEC-Q200 (on request)	ENEC-10-VDE IEC/UL 60384-14 CQC cURus AEC-Q200 (on request)	ENEC-10-VDE IEC/UL 60384-14 AEC-Q200 (on request)	ENEC-10-VDE IEC/UL 60384-14 CQC cURus AEC-Q200 (on request)