



ELECTROLYTIC CAPACITORS SNAP-IN

Electrolytic capacitors with screw terminals for professional power electronics from Kendeil. Headquartered in Gallarate, Kendeil manufactures the whole Carbex range of DC capacitors at its factory in Italy. Electrolytic capacitors are manufactured for the two temperature areas +85°C and +105°C. Snap-In capacitors are designed for direct mounting on circuit boards.

Small numbers of some types are held in stock whereas others are order items.

Contact us for further information or a quotation.

- *Manufactured to applicable standards*
- *Available in many versions customized for the relevant applications*
- *From 16-600 VDC*
- *From 100-1500000 µF*

PRODUCT INFORMATION

Electrolytic capacitors type Snap-In for professional power electronics from Kendeil. Headquartered in Italy, Kendeil manufactures the whole Carbex range of DC Capacitors.

Electrolytic capacitors are manufactured for the two temperature areas +85°C and +105°C. Snap-In capacitors are designed for direct mounting on circuit boards.

Typical applications

Professional power electronics such as switched power supplies, frequency converters, power converters, filters, motor drives, UPS systems, welding machines, power storage installations, audio applications for best sound reproduction, etc.

Properties

• Kendeil's capacitors are of the very highest quality standards and each capacitor's parameters are tested before it comes off the production line, meaning that 100% of products leaving the factory have been tested for supply voltage/ripple current and ESR values at elevated temperatures in ovens. Kendeil's electrolytic capacitors can handle high ripple currents and have a low ESR value which warrant a long service life. Different variants are designed for optimal performance in the relevant application area.

Composition

• Electrolytic capacitors are made of two aluminium foils (anode/cathode foil treated to obtain their polarization) with intermediate paper sheet impregnated with electrolyte to prevent short circuits. Both aluminium foils are etched to obtain the largest possible effective area and thus provide the highest possible capacitance. Aluminium connectors are connected between the foils and the capacitor connection terminals. The aluminium version is sealed with a moulded plastic cover (self extinguishing plastic material V0 in accordance with UL94)

Product information for which Carbex bears no responsibility is provided by the manufacturer.





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Execution/Capacitance/Dimensions

- For specific item stocked capacitors see "Item list Electrolytic Capacitors Span-In" below.
- For other capacitances and/or versions other than those listed, please contact Carbex for further information or a quotation. In those cases where new or customized capacitors are required, design data should be submitted to enable capacitor optimization for the specific application in question.
- For dimensions see item list.

Packaging

- Some versions in smaller volumes are available directly from our stock, whereas others are order items with a MOQ which depends on the capacitor type, size of packaging, etc.
- Contact us for further information or a quotation and to find out about a possible MOQ. Capacitors are delivered ex works in corrugated cardboard boxes. The quantity of capacitors per box depends on the dimensions of the particular capacitor.

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ELECTROLYTIC CAPACITORS SNAP-IN

Electrolytic capacitors Snap-In for DC-applications

Variant	Typ. Desig	Description	Technical data	Max.temp. °C /Uptime at maxtemp. h (40°C)	Special functions	Applications
Snap-in 85°C	K06*	General type	68 - 47000µF 16 - 500 VDC	+85/5000 (200000)	High capacitance and excellent electrical data in small volume Low ESR value and high ripple current	Power electronics, Switched power supplies, Frequency converters, Filtration
Snap-in 85°C	K16	General type Larger sizes	820 - 2700µF 400 - 450 VDC	+85/5000	High capacitance and excellent electrical data in small volume Low ESR value and high ripple current Larger dimensions	Power electronics, Switched power supplies, Frequency converters, Filtration
Snap-in 85°C	K26	Low ESR value	1000 - 2700µF 400 - 450 VDC	+85/6000 (200000)	High capacitance and excellent electrical data in small volume Low ESR value and high ripple current. Larger dimensions	Compact UPS systems, Inverters esp.within solar energy, high ripple converters, motor drives
Snap-in 105°C	K05*	Professional, High temperature	68 - 47000µF 16 - 450 VDC	+105/5000 (250000)	Very high capacitance, ripple current and very low ESR value in small volume	Switched power supplies, Professional power electronics
Snap-in 105°C	K15	Professional type Larger sizes, high temperature	820 - 2200µF 400 - 450 VDC	+105/5000 (250000)	Very high capacitance and excellent electrical data in small volume. Low ESR value and high ripple current. Larger dimensions	Power electronics, Switched power supplies, Frequency converters, Filtration
Snap-in 105°C	K25	Low ESR value High temperature	820 - 2200µF 400 - 450 VDC	+105/5000 (250000)	Very high capacitance and excellent electrical data in small volume. Low ESR value and high ripple current. Larger dimensions	Compact UPS systems, Inverters esp.within solar energy, high ripple converters, Motor drives
Snap-in 105°C	K55	Professional, Solar power-Inverters	330 - 820µF 450 VDC	+105/6000 (250000)	Very high capacitance in small volume. Low ESR value and high ripple current. Larger dimensions	Primarily power inverters within solar power sector, Professional power supply

* Capacitors in bold text refer to most common standard types

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Electrolytic capacitors Snap-In

Item number	Voltage (V)	Capacitance (µF)	Max. temp. (°C)	Execution	Dimensions (Ø x L mm)	Uptime maxtemp./40 °C	ESR typ mOhm (10kHz, 20°C)	Ir AC A max 100Hz, at temp. 85°C
10014633200	40	3300	85	2-pin, diam 2, 10mm	22 x 30	5000/200000	72	2.1
10014615300	40	15000	85	2-pin, diam 2, 10mm	35 x 30	5000/200000	34	3.3
10014447200	40	4700	105	2-pin, diam 2, 10mm	25 x 30	5000/250000	50	1.8
10014410300	40	10000	105	2-pin, diam 2, 10mm	30 x 40	5000/250000	39	2.8
10014447201	50	4700	105	2-pin, diam 2, 10mm	25 x 30	5000/250000	50	2
10014410301	63	10000	105	2-pin, diam 2, 10mm	35 x 50	5000/250000	30	5.3
10014410200	100	1000	105	2-pin, diam 2, 10mm	25 x 30	5000/250000	127	1.7
10014610200	100	1000	105	2-pin, diam 2, 10mm	22 x 30	5000/250000	127	1.3
10014422200	100	2200	105	2-pin, diam 2, 10mm	30 x 40	5000/250000	71	2.7
10014447202	100	4700	105	2-pin, diam 2, 10mm	35 x 40	5000/250000	42	3.6
10014422100	200	220	105	2-pin, diam 2, 10mm	22 x 30	5000/250000	440	0.9
10014433100K	200	330	105	2-pin, diam 2, 10mm	22 x 30	5000/250000	240	1.1
10014433100	400	330	105	2-pin, diam 2, 10mm	35 x 30	5000/250000	240	1.4
10014433101	400	330	105	2-pin, diam 2, 10mm	30 x 40	5000/250000	240	1.4
10014447100K	400	470	105	2-pin, diam 2, 10mm	35 x 40	5000/250000	170	1.9
10014447101	400	470	105	2-pin, diam 2, 10mm	35 x 50	5000/250000	170	2.2
10014547100	400	470	105	4-pin, diam 2, 22.5, 60gr	35 x 40	5000/250000	170	1.9
10014456100	400	560	105	2-pin, diam 2, 10mm	35 x 50	5000/250000	162	2.2
10014415100	450	150	105	2-pin, diam 2, 10mm	22 x 40	5000/250000	760	0.8
10014427100	450	270	105	2-pin, diam 2, 10mm	35 x 40	5000/250000	290	1.1
10014447100	450	470	105	2-pin, diam 2, 10mm	35 x 50	5000/250000	170	1.8
10014468100	450	680	105	2-pin, diam 2, 10mm	35 x 60	5000/250000	158	2.2
10014410201	450	1000	105	2-pin, diam 2, 10mm	40 x 60	5000/250000	110	3.2
10014415200	450	1500	105	4-pin, diam 2, 22.5, 60gr	40 x 97	5000/250000	90	5.1

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