

Klüberlectric KR 44-102

Special grease for the lubrication of electrical switches, contacts and sensors



Benefits for your application

- **Wide service temperature range**
- **Good corrosion protection of copper and silver contacts**
- **Ageing and oxidation stability**
- **Good compatibility with plastics**
- **Contains a UV indicator**

Description

Klüberlectric KR 44-102 is a special grease for the lubrication of electrical switches, contacts and sensors. It consists of a synthetic hydrocarbon oil and lithium soap incorporating a UV indicator for quality inspection. A special additive combination makes Klüberlectric KR 44-102 particularly suitable for the lubrication of electrical contacts. It is intended especially for the protection and lubrication of copper, tin and silver surfaces against corrosion. Further positive effects are: reduction of plug-in and switching forces, reduction of fretted oxide development, extended connecting and switching cycles, constantly low contact resistance and smoother switching transitions.

Application

For electrical components in the automotive, industrial engineering and installations sector. Due to its specific base oil viscosity, Klüberlectric KR 44-102 works particularly well under low to medium contact forces and at low temperatures. It is compatible with most plastic materials and hence can be used for the lubrication of plastic/plastic material combinations. Klüberlectric KR 44-102 minimises contact resistance values under lifetime operating requirements subject to varying electrical and mechanical loads.

Application notes

To utilise this special grease's full performance capacity, component parts to be greased should be cleaned to remove all foreign substances such as corrosion protection oils, waxes, etc. Electrical contacts should be bright and clean.

The lubricant can be applied by spatula, tampon printing or via automatic dosing equipment. Due to the many different material compositions, in terms of elastomers and plastics, compatibility with the selected materials should always be tested prior to series application.

Material safety data sheets

Material safety data sheets can be requested via our website www.klueber.com. You may also obtain them through your contact person at Klüber Lubrication.

Pack sizes	Klüberlectric KR 44-102
Can 1 kg	+
Bucket 25 kg	+

Product data	Klüberlectric KR 44-102
Article number	091031
Lower service temperature	-40 °C / -40 °F
Upper service temperature	150 °C / 302 °F
Colour space	white
Texture	homogeneous



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Product data	Klüberlectric KR 44-102
Density at 20 °C	approx. 0.86 g/cm ³
Worked penetration, DIN ISO 2137, 25 °C, lower limit value	265 x 0.1 mm
Worked penetration, DIN ISO 2137, 25 °C, upper limit value	295 x 0.1 mm
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C	approx. 110 mm ² /s
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 100 °C	approx. 15.5 mm ² /s
NLGI grade, DIN 51818	2
Drop point, DIN ISO 2176, IP 396	>= 180 °C
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	36 months

Klüber Lubrication – your global specialist

Innovative tribological solutions are our passion. Through personal contact and consultation, we help our customers to be successful worldwide, in all industries and markets. With our ambitious technical concepts and experienced, competent staff we have been fulfilling increasingly demanding requirements by manufacturing efficient high-performance lubricants for more than 80 years.

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