Klüberalfa K 83-735

Special dispersion for the lubrication of plug-in contacts

Benefits for your application

- **Economical series application**
- **Prevention of fretting**
- **Reduction of plug-in/unplug forces**
- **Highly effective on all materials commonly used for electro contacts**
- **Resistant to most organic and inorganic acid and alkaline solutions as well as organic solvents, e.g. gasoline vapours**
- **Neutral towards most elastomers and plastics**

Description

Klüberalfa K 83-735 is a ready-to-use dispersion especially developed for the series application of very thin lubricant layers on plug-in contacts.

The thickness of the lubricant film can be tuned to specific requirements through the selection of the application technique and its parameters. The dispersion has the following positive effects on the contacts: it reduces plug-in/unplug forces, prevents fretting corrosion, increases the number of plug-in/unplug cycles, reduces contact resistance and makes the contacts resistant to gasoline vapours. Klüberalfa K 83-735 performs excellently on all common materials used for electric contacts (gold, silver, tin, zinc, etc.). It works particularly well on gold surfaces.

Application

The dispersion is suitable for pins which are subject to large numbers of plug-in/unplug cycles, which makes special protection of the electroplated surfaces necessary. It is also used wherever vibrations may cause fretting corrosion (in the automotive sector, automation engineering, telecommunications. etc.). A reduction of plug-in/unplug forces is highly welcome in applications where large numbers of pins per connector make them difficult to handle.

Application notes

The dispersion is applied with maximum ease while the punched and electroplated contacts are still coiled. Immersion is an economical way to apply the lubricant. The dispersion should be vigorously shaken or stirred prior to application. An inflammable solvent with a low boiling point without any ozone-depleting potential was chosen in order to ensure a short drying-period. For detailed information on application, please seek consultation by one of our application engineers.

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

Product data	Klüberalfa K 83-735
Article number	907014
Lower service temperature	-40 °C / -40 °F
Upper service temperature	260 °C / 500 °F
Colour space	white
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C	approx. 420 mm²/s

a brand of FREUDENBERG

Klüberalfa K 83-735

Special dispersion for the lubrication of plug-in contacts

Product data	Klüberalfa K 83-735
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 100 °C	approx. 40 mm²/s
Boiling point of solvent	approx. 60 °C
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	24 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.

**Klüber Lubrication München SE & Co. KG /
Geisenhausenerstraße 7 / 81379 München / Germany /
phone +49 89 7876-0 / fax +49 89 7876-333.**

The data in this document is based on our general experience and knowledge at the time of publication and is intended to give information of possible applications to a reader with technical experience. It constitutes neither an assurance of product properties nor does it release the user from the obligation of performing preliminary field tests with the product selected for a specific application. All data are guide values which depend on the lubricant's composition, the intended use and the application method. The technical values of lubricants change depending on the mechanical, dynamical, chemical and thermal loads, time and pressure. These changes may affect the function of a component. We recommend contacting us to discuss your specific application. If possible we will be pleased to provide a sample for testing on request. Klüber products are continually improved. Therefore, Klüber Lubrication reserves the right to change all the technical data in this document at any time without notice.

Publisher and Copyright: Klüber Lubrication München SE & Co. KG. Reprints, total or in part, are permitted only prior consultation with Klüber Lubrication München SE & Co. KG and if source is indicated and voucher copy is forwarded.