

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. Depending on the number of contacts to be lubricated, one can choose between immersion and spray application, whichever is more economical. With either technique, 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.

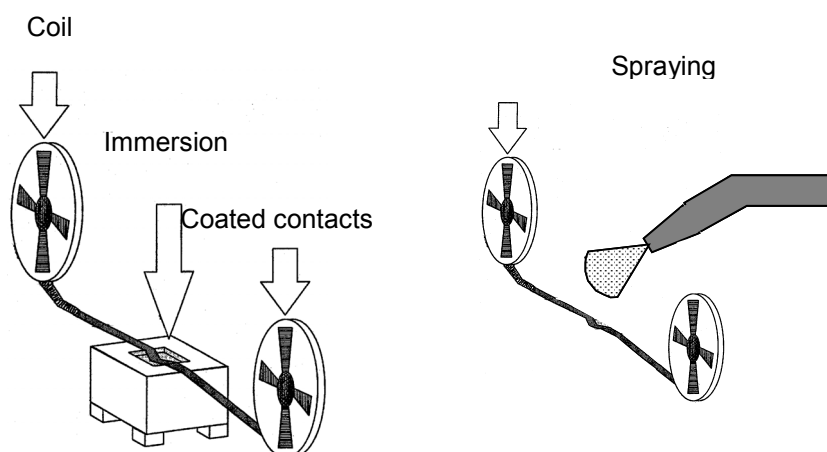
For detailed information on application, please seek consultation by one of our application engineers.

Minimum shelf life

The minimum shelf life is approx. 24 months if the product is stored in the original closed container in a dry place.

Pack sizes

0.5 l can
10 l steel canister



Klüberalfa K 83-735

- 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

Product data

Active agent	
Service temperature range*, °C, approx.	- 40 to 260
Consistency class, DIN 51 818, NLGI	3
Colour	white
Base oil viscosity, DIN 51 562 pt. 01 at 40 °C, mm ² /s, approx. at 100 °C, mm ² /s, approx.	380 to 420 34 to 40
Solvent	
Boiling point, °C, approx.	60
Flash point, DIN ISO 2595, Cleveland, open cup	nonflammable

* Service temperatures are guide values which depend on the lubricant's composition, the intended use and the application method. Lubricants change their consistency, apparent dynamic viscosity or viscosity depending on the mechano-dynamical loads, time, pressure and temperature. These changes in product characteristics may affect the function of a component.

The data in this product information is based on our general experience and knowledge at the time of printing 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 tests with the selected product. We recommend contacting our Technical Consulting Staff to discuss your specific application. If required and possible we will be pleased to provide a sample for testing. Klüber products are continually improved. Therefore, Klüber Lubrication reserves the right to change all the technical data in this product information at any time without notice.



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