

# Klüberalfa KRA 3-730

High-performance lubricant for plug-in contacts



## Benefits for your application

- Easier and safer assembly due to reduced plug-in/unplug forces
- Increased operativeness of contacts due to a new additive package
- Easier quality control due to integrated fluorescent indicator
- Cost saving, fully automatic, spray application

## Description

Klüberalfa KRA 3-730 is a lubricating fluid based on selected PFPE oils that was especially developed for automatic minimum-quantity spray lubrication of plug-in contacts.

Klüberalfa KRA 3-730 reduces assembly forces and protects surfaces effectively against tribological ageing without increasing contact resistance.

A newly developed additive package prevents wear due to vibration (fretting corrosion) or frequent plug cycles, thus considerably increasing the operativeness of the lubricated contacts. Klüberalfa KRA 3-730 contains fluorescent indicators which make automatic, visual quality controls easier.

## Application

Klüberalfa KRA 3-730 is suitable for the large-batch lubrication of plug-in contacts of different shapes and materials which have to meet high requirements in e.g. telecommunications, automation technology or car manufacture.

## Application notes

We recommend applying Klüberalfa KRA 3-730 by means of automatic spraying systems or immersion bath onto the clean contacts. A low-boiling, non-flammable solvent ensures quick drying. An average film thickness of approx. 2 µm is sufficient in most cases.

Before applying Klüberalfa KRA 3-730 the contacts should be free of contamination and punching oil residues in order to ensure good wetting of the entire contact surface. For detailed information on spray application or film thicknesses, please seek consultation by one of our sales engineers.

In general, Klüberalfa KRA 3-730 is compatible with plastics, however due to the great number of different plastics we recommend checking compatibility prior to series application.

## Material safety data sheets

Material safety data sheets can be requested via our website [www.klueber.com](http://www.klueber.com). You may also obtain them through your contact person at Klüber Lubrication.

Pack sizes	Klüberalfa KRA 3-730
Canister 1 l	+
Canister 10 l	+

Product data	Klüberalfa KRA 3-730
Article number	907016
Chemical composition, type of oil	PFPE
Chemical composition, solvent	fluorinated solvent
Lower service temperature	-40 °C / -40 °F
Upper service temperature	140 °C / 284 °F
Colour space	colourless
Appearance	clear
Density at 20 °C	approx. 1.70 g/cm <sup>3</sup>



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Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C	approx. 156 mm <sup>2</sup> /s
Boiling point of solvent	approx. 55 °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.

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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.

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