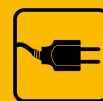


Klübersynth PTB 2-24

High-performance lubricant for electric plug-in contacts



Your benefits at a glance

- Increased operativeness of contacts
 - due to excellent protection against fretting and tribo-corrosion
 - due to constant transition resistance
- Reliable assembly due to constant plug and unplug forces
- Fully automatic metering possible by way of spraying or immersion application

Your requirements - our solution

Klübersynth PTB 2-24 is a high-performance lubricant based on ester that is free of PFAS and shows good oxidation resistance. Due to its low viscosity, Klübersynth PTB 2-24 is preferably used for automatic minimum-quantity lubrication of plug-in contacts in series production processes. Klübersynth PTB 2-24, which was especially developed for this kind of application, reduces assembly forces over many plug/unplug cycles, protecting the coated contact surfaces efficiently against tribological ageing without impairing electrical transition resistance. Moreover, the carefully selected additives help prevent wear due to vibrations, fretting and tribo-corrosion. This leads to longer component life over a wide service temperature range and the lubricated contacts retain their operability.

Application

Klübersynth PTB 2-24 may be used for plug-in contacts with various geometries and contact materials. Increasingly tough requirements in new mobility applications, in automation engineering as well as in

electric appliances can all be met outstandingly well with this product.

Application notes

Klübersynth PTB 2-24 is ideally applied to the cleaned contacts by immersion or spraying. An average film thickness of just a few μm is sufficient in most cases. Before applying Klübersynth PTB 2-24 the contacts should be free of contamination in order to ensure good wetting of the contact surface. Due to the large number of different plastics, compatibility should be checked prior to series application of Klübersynth PTB 2-24.

We will be glad to support you with application-specific advice.

Material safety data sheets

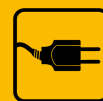
Material safety data sheets can be requested via our website www.klueber.com. You may also obtain them through your contact person at Klüber Lubrication.

Pack sizes	Klübersynth PTB 2-24
Canister 1 l	+
Drum 200 l	+

Characteristics	Klübersynth PTB 2-24
Article number	025031
Composition, type of oil	ester oil
Appearance	clear
Colour space	yellow

Klübersynth PTB 2-24

High-performance lubricant for electric plug-in contacts



Characteristics	Klübersynth PTB 2-24
Flash point, DIN EN ISO 2592, Cleveland open cup	≥ 225 °C
Kinematic viscosity, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 40°C, lower limit	22 mm ² /s
Kinematic viscosity, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 40°C, upper limit	26 mm ² /s
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 90 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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