

LM 301 Contact-Oil

Description

Fully synthetic contact oil based on polyalkylene glycol. Impressive thanks to a wide operating temperature range, good electrical properties, good resistance to aging, high corrosion protection and good compatibility with plastics. Suppresses sparks and reduces wear. Free of silicones.

Properties

- compatible with plastics
- good lubrication at high load
- wide operating temperature range
- silicone-free
- good electronic properties
- good corrosion protection
- high resistance to aging

Technical data

Color / appearance	yellow
Base	synthetic oil
Viscosity at 40 °C	212 mm ² /s
Viscosity at 100 °C	36 mm ² /s
Viscosity index	222 DIN ISO 2909
Density at 20 °C	0,99 g/cm ³ DIN 51 757
Pour point	-29 °C DIN ISO 3016
Flash point	183 °C DIN ISO 2592
Evaporation loss	9 Gew.-% DIN 51 581
Water content	< 0,25 mg KOH/g DIN ISO 3733
Neutralization number	0,04 mg KOH/g DIN 51 809
Specific electrical volume resistance at 20 °C	3,8 * 10 ¹⁰ Ω · cm
Odor	characteristic
Form	liquid

Application

Before application, the contact surfaces should be clean and free from residues such as lubricants, dirt and moisture. Apply a thin uniform coat by immersion, brushing or spraying. Suitable thinners: Isopropanol and white spirit.

Available pack sizes

1 l Can sheet metal 3229
D-GB-E-F-NL

Our information is based on thorough research and may be considered reliable, although not legally binding.

Areas of application

For the lubrication and care of mechanical and electrical parts in switches. Specifically for micro-switches, switches with low contact pressures, connectors and connector strips.

Note: Check plastics which are highly susceptible to stress cracking such as polycarbonates, polystyrenes or PMMA for compatibility before using.