



SERVICE MANUAL FOR ELECTRICAL CONTACTS



CONTACT LUBRICATION GENERAL INFORMATION

The contact lubrication improves the mechanical properties of contact systems. An additional cleaning of the contact surfaces is recommended. With a respective care you can minimize the mechanical wear and reduce the mating and demating forces.

The cleaning and lubrication intervals should be adjusted to the individual conditions. Only the products, which are recommended from the producer of the contacts/connectors, should be used.

SAFETY INSTRUCTIONS

- When you use cleaning fluids or lubricants, you have to read the guidelines of the producer carefully and follow the safety instructions on the technical data sheets and safety data sheets!
- It is not allowed to do maintenance work on electrical contacts and connectors when they are energized. Maintenance work should be done by qualified personal only!
- It is not allowed to use detergents which perhaps damage the material of the electrical contacts and connectors or their platings!

STEP BY STEP INSTRUCTION

ADDITIONAL INFORMATION



1 A preventive, visual inspection is generally recommended after each 10,000 mating cycles. At the latest after 50,000 mating cycles a re-lubrication has to be done.



4 The contact surfaces should not be touched or exposed dirt after the lubrication.



2 The electrical contacts and the connector have to be cleaned with a clean, fuzz-free cloth or compressed air (max. 2.5 bar) before the re-lubrication.



5 During the next mating cycles the lubricant transfers automatically to the socket side. If necessary, remove the excessive lubricant.



3 After the cleaning a re-lubrication is necessary. The lubricant should be applied with a brush preferably on the pin-side. Take care of a constant and thin lubrication film.



TO ORDER THE SPECIAL LUBRICANT SEPARATELY:

ORDER NO. 50270079

All dimensions are in mm. Some figures are for illustrative purposes only. Subject to change without notice. Errors and omissions excepted. We reserve the right to change our products and their technical specifications at any time in the interest of technical improvement. This publication supersedes all prior publications. This publication is also available as a PDF file that can be downloaded from www.odu-connectors.com

In case of preventive, visual inspection, the electrical contacts or the connectors should be checked for wear and damage.

Care has to be taken to ensure that contact pins are not bent or otherwise damaged. If damage or other signs of wear are detected, the connector must not be used again.

Damaged parts have to be replaced immediately and with original parts only.

A dark discoloration at the contact points can occur over the service life and does not affect the electrical properties.

The related safety data sheet **"Special lubricant for Electrical Contacts"** can be downloaded from the ODU website.

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