Technical advice – electrical contacts

Contact data

|  |  |
| --- | --- |
| Company |  |
| Contact person / Position |  |
| Address |  |
| Contact (Phone / E-mail) |  |

Application-/ Problem description

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Application / Problem  (description as precise as possible) |  | | | | | |
| Contact pairing  (e.g. Au/Ag) |  | | | | | |
| Surface pressure [*N/mm²*] |  | | | | | |
| Material pairing  Insulation Materials |  | | | | | |
| Material pairing  switch mechanism |  | | | | | |
| Contact type  (e.g. Sliding contact, plug contact, rolling contact) |  | | | | | |
| Switch lifetime |  | | | | | |
| Lubrication point  (e.g. contact, housing) |  | | | | | |
| Amperage [*A*] |  | | | | | |
| Voltage [*V*] |  | | | | | |
| Spec. elec. resistance  [*Ohm cm*] |  | at | |  | | *°C* |
| Thermal conductivity [*W/mK*] |  | at | |  | | *°C* |
| Breakdown voltage [*KV*] |  | | | | | |
| Environment  (e.g. acid, alkali, cleaner, dust, gas, etc.) |  | | | | | |
| Temperature environment [*°C*] |  | | Temperature lubricated element [*°C*] | |  | |
| Peak temperature general & duration |  | | | | | |
| Switching speed |  | | | | | |
| Contact force [*N*] |  | | | | | |
| Insertion force [*N*] |  | | | | | |

Additional lubrication requirements

|  |  |  |
| --- | --- | --- |
| wear protection | montage |  |
| corrosion protection | noise reduction |  |
| reduction of insertion forces | compatibility with other lubricants |  |
| damping | Compatibility with plastics / elastomers |  |
| sealing effect |  | |
| other |  | |

Lubricant specification

|  |  |  |
| --- | --- | --- |
| Previously used lubricant (name and manufacturer) |  | |
| Application of the lubricant (e.g. dropping, manual ) |  | |
| Amount of lubrication per part |  | |
| Amount of lubrication per year |  | |
| Does the previous lubricant work? | Yes |  |
| No, reason/ desire for  improvement |  |

Other

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Place and date