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 pairingInsulation Materials |  |
| Material pairingswitch 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