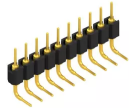


# Data sheet Product MK 51 42 G



PCB connectors>Male headers

Solder and plug pins, Ø 0.5 mm  
rectangular PCB connection

## Features

|                                            |                                                                                             |
|--------------------------------------------|---------------------------------------------------------------------------------------------|
| pitch:                                     | 2.54 mm                                                                                     |
| no. of contacts:                           | 42                                                                                          |
| contact material:                          | CuZn-alloy                                                                                  |
| surface of contact:                        | gold-plated                                                                                 |
| surface contact /<br>contact sleeve:       | <ul style="list-style-type: none"> <li>• Ni+≥0.2µm Au</li> <li>• Ni+4...6µm Sn</li> </ul>   |
| version:                                   | rectangular PCB connection                                                                  |
| shock resistance:                          | 50 g                                                                                        |
| volume resistance:                         | ≤10 mΩ                                                                                      |
| vibration resistance max.:                 | 15 g                                                                                        |
| capacity between two<br>adjacent contacts: | ≤0,4 pF                                                                                     |
| nominal current:                           | 1.5 A                                                                                       |
| nominal voltage:                           | 60 V DC                                                                                     |
| test voltage:                              | 1000 V                                                                                      |
| insulating body material:                  | PA 4.6. GF                                                                                  |
| temperature range:                         | <ul style="list-style-type: none"> <li>• -40°C... +163°C</li> <li>• (260°C/10 s)</li> </ul> |
| class of inflammability:                   | UL 94 V-0                                                                                   |
| specific insulation<br>resistance:         | >10 <sup>7</sup> Ω·m                                                                        |
| connection type:                           | THT (Einlöt)                                                                                |

reflow solderable:

yes

## Technical Drawing

