

Product Information

DODUFLEX Rugged Contact Spring

Versatile SMD miniature contact spring for printed circuit boards

Our contact springs for the automated fitting of printed circuit boards come in blistertape. So the packaging is suitable for high-series manufacturing with off-the-shelf SMD pick-and-place machines.

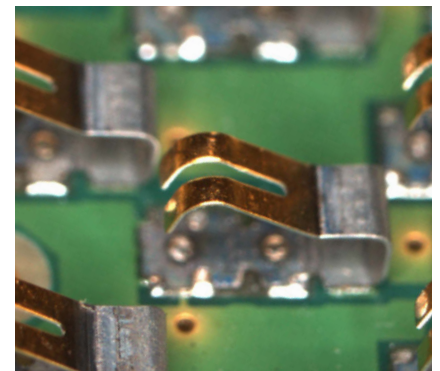
DODUFLEX provides extremely high contact reliability through bifurcated contacts, AuCo-coating and overload protection. This contact spring is already in successful use in fields such as medical technology and white goods. It is available on short term without tool costs at prices based on our price list.

Properties

- X10CrNi188 R1700-1900, Ni-Flash all over
- In contact area selective AuCo >0.3 µm
- Two contact points
- Soldering area selective Sn 3-5 µm
- Material thickness 0.1 mm
- Part width 1.5 mm
- Part height 2.7 mm
- Comes in blistertape 12 mm
- Feed 4 mm
- 8000 parts per coil
- Required space on printed circuit board:
4.1 x 1.5 mm²

Your benefits

- Proven technology
- Integrated overload protection
- No investment costs
- Immediately available



Electrical Characteristics

a. Typical volume resistance (incl. contact resistance):

contact force [N]	resistance [mOhm]
0.1	35
0.4	27
0.6	25

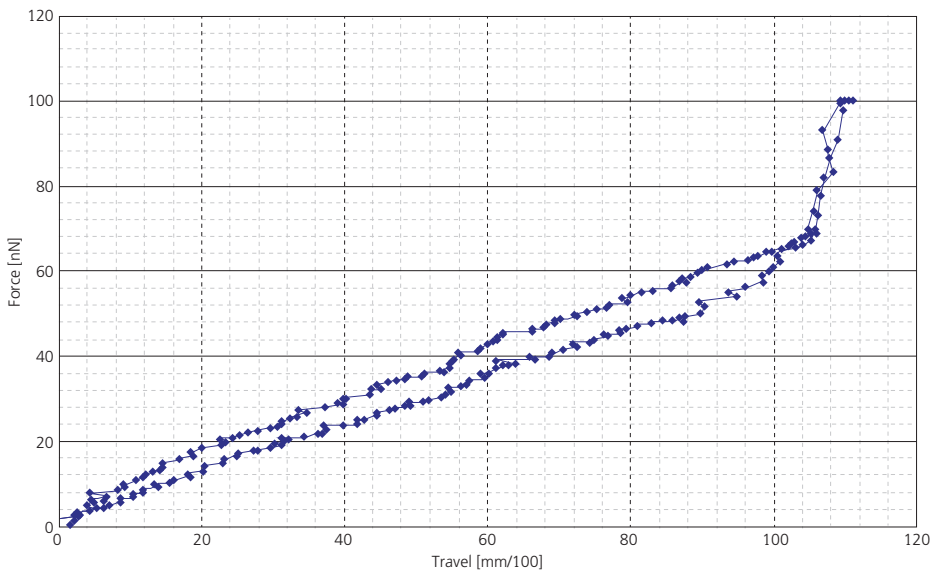
b. Temperature increase /ampacity:

current [A]	temperature increase [K]
2	10
3	26
4	50
5	90

DODUCO Solutions GmbH

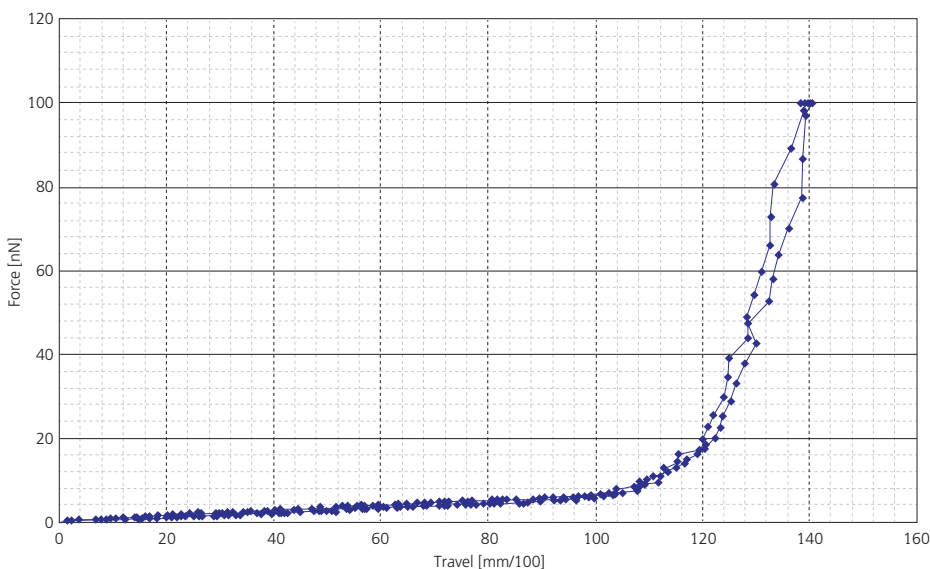
Im Altgefäll 12
75181 Pforzheim
Germany
Phone: +49 (0) 7231 602-0

DODUFLEX Rugged Contact Spring



Mechanical Characteristics: (both arms parallel)

- spring rate c: 0.65 N/mm
- maximum contact force 0.65 N at 1 mm travel distance



Overload protection by integrated travel stop.

No plastic deformation under the shown load of 10 N in the Z-axis.

All information as of März 2020. DODUCO reserves the right to make technical changes for the purpose of improving reliability, processing and function. We do not undertake any warranty that the descriptions, tables and figures in this document may not be subject to the liberty of rights of third parties. All information is only a specification of materials but no warranty of properties.

Net prices* in EUR per 1.000 pieces

Quantity * 1000	EUR/1000€
1	800
8	250
16	200
32	150
64	100
104	75
256	60
1000	48
2000	42
3000	40

*Prices incl. precious metal and packaging in blister tape. Shipping costs not included. No tool costs.

Delivery period: Up to 8000 pieces on stock, higher quantities upon agreement.

Your DODUCO contacts:



Sales: Gero Seifried
 gseifried@doduco.net
 Phone +49 (0) 7231 602-372



Engineering: Dietmar Späth
 dspaeth@doduco.net
 Phone +49 (0) 7231 602-260