

All dimensions are in mm; tolerances according to ISO 2768 m-H

**Documents**

Tape & reel packaging VG63.19000

**Material and plating**

**Connector parts**

Piston Brass  
 Ferrule Brass  
 Spring Stainless steel  
 Isolator PPS

**Plating**

Gold, 0.5  $\mu$ m over chemical Nickel  
 Gold, min. 0.15  $\mu$ m, over chemical nickel  
 N/A

**Electrical data**

Insulation resistance  $\geq 5 \times 10^3 \text{ M}\Omega$   
 Contact resistance  $\leq 25 \text{ m}\Omega$  initial  
 After 5 cycles operational stroke  
 Working voltage 4 V  
 Max. Current 1.5 A per pin

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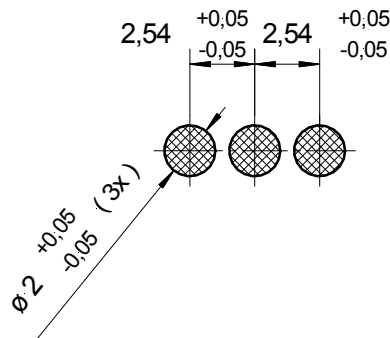
**Mechanical data**

Durability	> 5,000
Max. pin travel	1.6 mm
Nominal height	4.15 mm
Travel vs Force	Initial F0 = 0.2 N +/- 0.1 N
	At 3.45 mm F1 = 0.7 N +/- 0.15 N

**Environmental data**

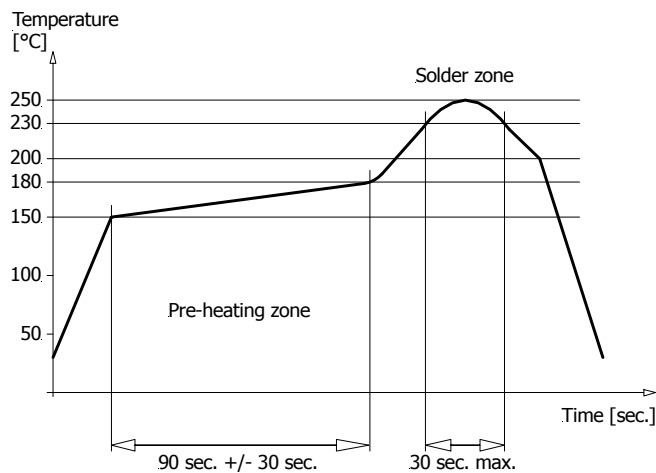
Operating temperature	IEC 60068-2-1, Aa -40 °C
	IEC 60068-2-2, Bb +90 °C
Storage temperature	IEC 60068-2-1, Aa -55 °C
	IEC 60068-2-2, Bb +100 °C
RoHS	compliant

**PCB\_Layout proposal**



**Soldering process**

1. Lead free solder process



**Technical Data Sheet****Rosenberger**

99P

POGO BLOCK

**99P307-041Z****Packing**Standard  
Weight1,900 pcs in tape & reel or single packed  
0.36 g/pce**Change History**

Rev.	Date	Change
k00	11.12.14	Changed dimension from 2.8 to 2.9

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Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
F.Michelmann	10.10.06	S.Hering	17.02.15	k00	14-1843	P.Schroeder	17.02.15
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