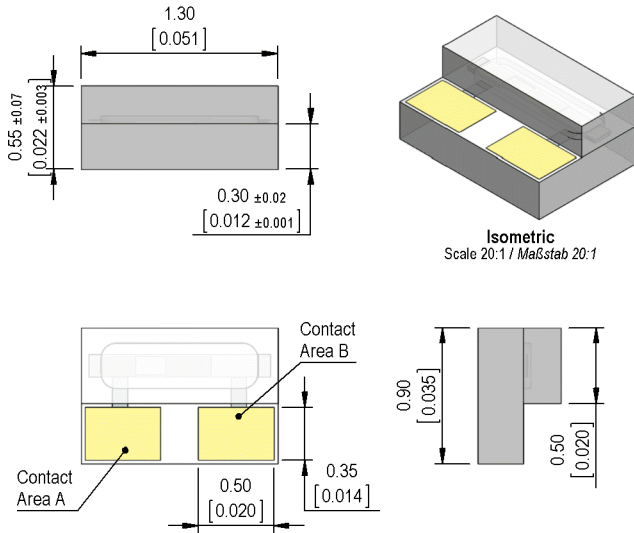


Dimensions mm [inches]

Tolerances acc. to DIN ISO 2768-m
 Toleranzen gem. DIN ISO 2768-m



Warning: This device is especially designed for low voltage and low power sensing! The following points must be respected when the device is connected in a circuit:

- Voltage spikes (electrostatic or otherwise) across the terminals in the open mode are limited to 10 V.
- Switched voltages and current are limited to the maximum ratings.
- The parallel capacitance added across the switch is less than 100 pF.
- Minimize stray capacitance to be less than 100 pF in any lead circuit.
- The mounting and test equipment are properly grounded, as they may induce voltage spikes across the terminals.
- All handling is performed on a conductive mat and the operator is also grounded through a wrist contact bracelet.
- Permanent sticking or damage of the contacts may result whenever any of the above warnings are not respected.

Magnetic properties	Conditions	Min	Typ	Max	Unit
Pull-In in milliTesla (modified conta	MS150 - phys. caused tolerance +/- 0,1mT	2.2		5.25	mT
Drop-Out in milliTesla (modified co	MS150 - phys. caused tolerance +/- 0,1mT	1.76		4.73	mT
Hysteresis (Reference value)	Reed switch unmodified measured in coil- "define operation"	0.6		0.9	
Test equipment		MS-150			

Contact Data	Conditions	Min	Typ	Max	Unit
Contact rating	Any DC combination of V & A not to exceed their individual max.'s			0.3	mW
Switching voltage		0.5		3	VDC
Switching current	DC or Peak AC			100	µA
Carry current	DC or Peak AC			100	µA
Contact resistance static	Measured with 40% overdrive Start Value		50	1,000	Ohm
Insulation resistance	RH <45 %, 30 V test voltage	1			GOhm
Breakdown voltage	according to IEC 255-5	50			VDC
Operate time incl. bounce	measured with 40% overdrive			0.2	ms
Release time				0.1	ms
Capacity	@ 10 kHz across open switch			0.3	pF

Special Product Data	Conditions	Min	Typ	Max	Unit
Life Expectancy	Under 1.5V and 15µA	1,000,000			cycles
Remarks		Contact pads: 0.05µm Cr + 0.4µm Au			

Environmental data	Conditions	Min	Typ	Max	Unit
Shock	1/2 sine wave duration 11ms			5,000	g
Vibration	from 10 - 2000 Hz			30	g
Operating temperature		-20		100	°C
Storage temperature		-55		150	°C
Soldering Temperature Tsold	3.5 sec. at			260	°C