



Magnetic properties	Conditions	Min	Typ	Max	Unit
Pull-In excitation (Reference value)	Reed switch unmodified measured in coil- "define operation"	30		35	AT
Test-Coil	Reed switch unmodified	KMS-01			
Pull-In Switching distance	Reed switch modified			10	mm
Drop-Out Switching distance	Reed switch modified	3		10	mm
Switching magnet	purchase - test magnet for magnetic sensitivity	AlNiCo 500 / D=2,2 u. L=8 mm			

Contact Data 85	Conditions	Min	Typ	Max	Unit
Contact-No.		85			
Contact-form		E - bistable NO			
Contact rating	Any DC combination of V & A not to exceed their individual max.'s			100	W
Switching voltage	DC or Peak AC			350	V
Switching current	DC or Peak AC			1	A
Carry current	DC or Peak AC 100% Duty Cycle			2	A
Contact resistance static	Measured with 40% overdrive			100	mOhm
Insulation resistance	RH <45 %, 100 V test voltage	10			GOhm
Breakdown voltage (30-40 AT)	according to IEC 255-5	2.500			VDC
Operate time incl. bounce	measured with 40% overdrive			1,1	ms
Release time	measured with no coil excitation			0,1	ms
Capacitance	@ 10 kHz across open switch		0,5		pF

Modified dimensions	Conditions	Min	Typ	Max	Unit
Remarks		to dimensions see drawing			

Environmental data	Conditions	Min	Typ	Max	Unit
Shock	1/2 sine wave duration 11ms			50	g
Vibration	from 10 - 2000 Hz			20	g
Operating temperature		-40		130	°C
Storage temperature		-55		130	°C
Soldering temperature	wave soldering max. 5 sec.			260	°C
Remarks 1.		bistable function by internal AlNiCo magnet			

General data	Conditions	Min	Typ	Max	Unit
Remark	Take care: sensor could be put out of tune permanent by strong magnetic fields.				