



tolerances according to DIN ISO 2768 m

Magnetic properties	Conditions	Min	Typ	Max	Unit
Pull-In excitation (Reference value)	Reed switch unmodified measured in coil- "define operation"	35		45	AT
Test-Coil	Reed switch unmodified	KMS-01			

Contact Data 85	Conditions	Min	Typ	Max	Unit
Contact-No.		85			
Contact-form		A			
Contact-material		Rhodium			
Contact rating	Any DC combination of V & A not to exceed their individual max.'s			100	W
Switching voltage	DC or Peak AC			1.000	V
Switching current	DC or Peak AC			1	A
Carry current	DC or Peak AC			2,5	A
Contact resistance static	Measured with 40% overdrive Start Value			150	mOhm
Contact resistance dynamic	Maximum value 1,5 ms after excitation Start Value			200	mOhm
Contact resistance dynamic	Difference value 1,5 ms after excitation			20	mOhm
Insulation resistance	RH <45 %, 100 V test voltage	10			GOhm
Breakdown voltage (30-40 AT)	according to IEC 255-5	2.500			VDC
Breakdown voltage (40-50 AT)	according to IEC 255-5	3.000			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		0,5		pF

Contact dimensions	C	Conditions	Min	Typ	Max	Unit
Overall length		Tolerance according to drawing		55,5		mm
Glass body length		Tolerance according to drawing		21		mm

Environmental data	Conditions	Min	Typ	Max	Unit
Shock	1/2 sine wave duration 11ms			50	g
Vibration	from 10 - 2000 Hz			20	g
Ambient temperature		-40		130	°C
Storage temperature		-55		130	°C
Soldering temperature	max. 5 sec			260	°C