



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"	15		20	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 100% Duty Cycle			2.5	A
Pulsed carry current	DC or Peak AC 5ms after coil excitation for 50ms max.			3	A
Contact resistance static	Measured with 40% overdrive			150	mOhm
Contact resistance dynamic	Maximum value 1,5 ms after excitation			200	mOhm
Insulation resistance	RH <45 %, 100 V test voltage	10			GOhm
Breakdown voltage (<20 AT)		2,000			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 across open switch		0.5		pF

Contact dimensions	C	Conditions	Min	Typ	Max	Unit
Overall length		Tolerance according to drawing		55.4		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
Operating temperature		-40		130	°C
Storage temperature		-55		130	°C
Soldering temperature	wave soldering max. 5 sec.	wave soldering max. 5sec.			

Modifications in the sense of technical progress are reserved

Designed at: 06/04/03 Designed by: SCHELLHORN

Approval at: 10/23/08 Approval by: RKAMP

Last Change at: 10/23/08 Last Change by: AKELLER

Approval at: Approval by:

Rev. No.: 3