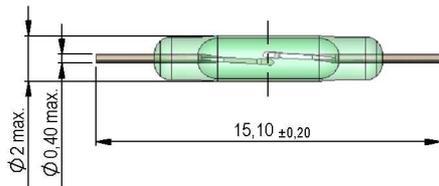




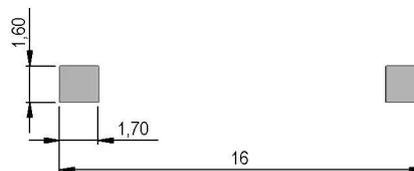
**Dimensions mm[inch]**  
tolerances according to DIN ISO 2768-m  
Toleranzen gem. DIN ISO 2768-m

**Isometric**

Scale 2:1  
Maßstab 2:1

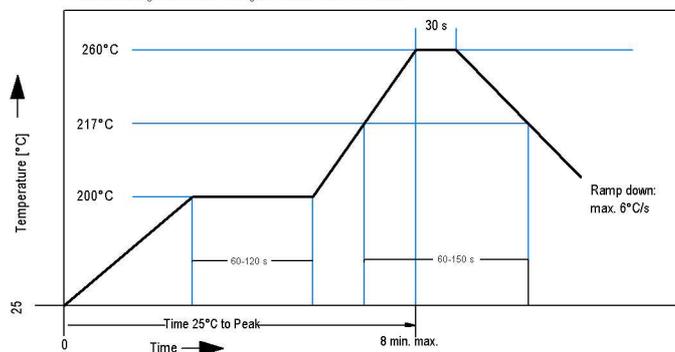


**Recommended PCB Pad Layout**

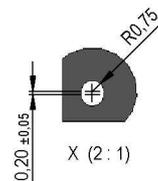
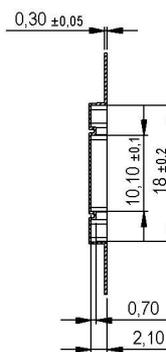
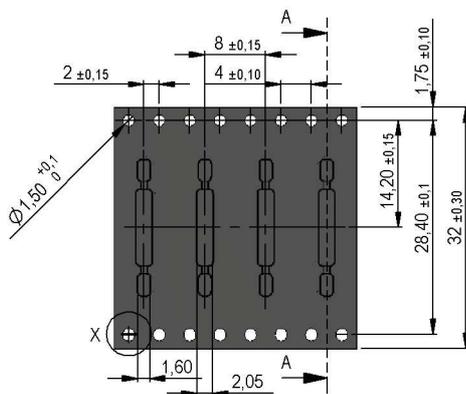


**Solder Reflow Profile**

reflow soldering conditions according to JEDEC norm J-STD 020D.1



**Packaging**



A-A (1 : 1)



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Item No.:  
**9233872025**  
 Item:  
**MK23-87-D-1**

Magnetic properties	Conditions	Min	Typ	Max	Unit
Pull-In excitation (modified contact)	Reed switch modified phys. conditioned tolerance of +/- 1 AT	31		42	AT
Test-Coil	Reed switch modified	KMS-22			
Pull-In in milliTesla (modified conta	MS150 - phys. caused tolerance +/- 0,1mT	2,11		2,94	mT

Contact data 87	Conditions	Min	Typ	Max	Unit
Contact-No.		87			
Contact-form		A			
Contact-material	Plating thicknesses are proprietary	Rhodium			
Contact rating	Any DC combination of V & A not to exceed their individual max.'s			10	W
Switching voltage	DC or Peak AC			200	V
Switching current	DC or Peak AC			0,4	A
Carry current	DC or Peak AC			0,5	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
Insulation resistance	RH <45 %, 100V - to all points	1			GOhm
Breakdown voltage	according to IEC 255-5	230			VDC
Operate time incl. bounce	measured with 40% overdrive			0,6	ms
Release time	measured with no coil excitation			0,1	ms
Capacitance	@ 10 kHz across open switch		0,2		pF

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	wave soldering max. 5 sec.			260	°C

General data	Conditions	Min	Typ	Max	Unit
Packaging		Tape & Reel 2500 pcs.			

Modifications in the sense of technical progress are reserved

Designed at: 15.07.09 Designed by: AKELLER  
 Last Change at: 08.12.16 Last Change by: DVUCKOVIC

Approval at: 21.07.09 Approval by: RKAMP  
 Approval at: 08.12.16 Approval by: DVUCKOVIC

Version: 03