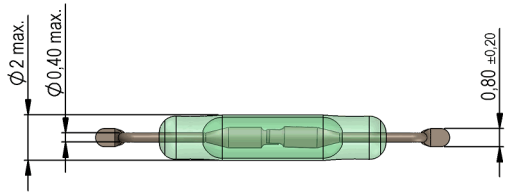
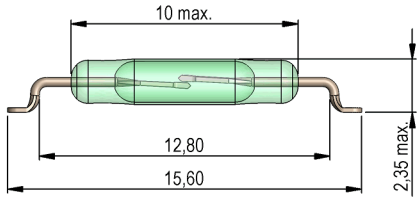
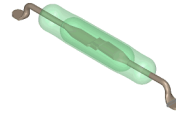


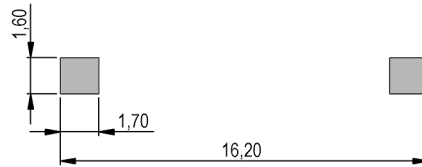
**Dimensions mm[inch]**  
tolerances according to DIN ISO 2768-m  
Toleranzen gem. DIN ISO 2768-m



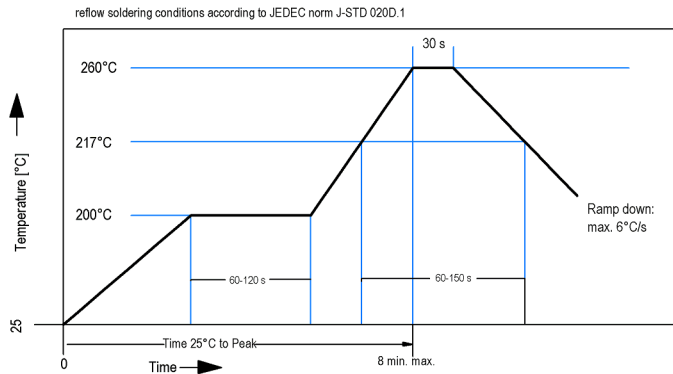
**Isometric**  
Scale 2:1  
Maßstab 2:1



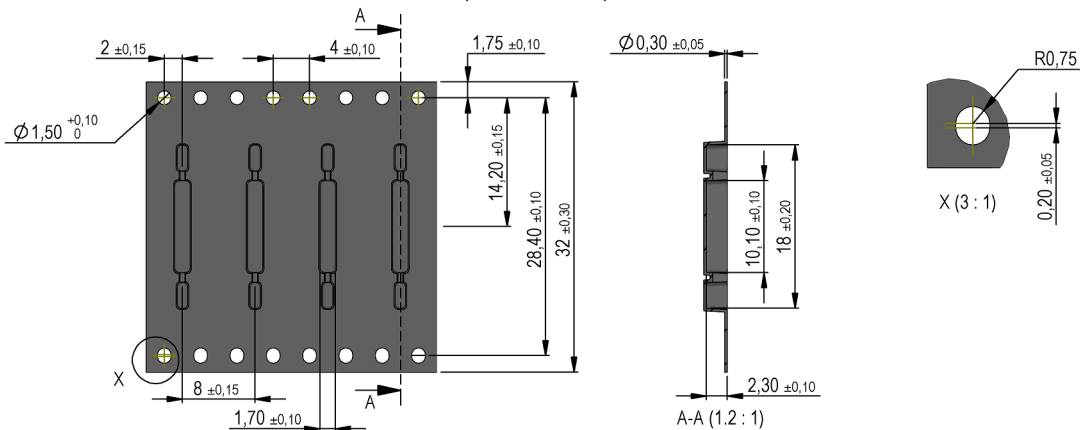
**Recommended PCB Pad Layout**



**Solder Reflow Profile**



**Packaging**  
**(40013510008)**





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Item No.:  
**9231872530**  
 Item:  
**MK23-87-E-2**

Magnetic properties	Conditions	Min	Typ	Max	Unit
Pull-In excitation (modified contact)	Reed switch modified phys. conditioned tolerance of +/- 1 AT	36		42	AT
Test-Coil	Reed switch modified	KMS-22			

Contact data 87/2	Conditions	Min	Typ	Max	Unit
Contact-No.		87/2			
Contact-form		NO			
Contact-material		Ruthenium			
Contact rating	Any DC combination of V & A not to exceed their individual max.'s			10	VA
Switching voltage	DC or Peak AC			200	VDC
Switching voltage	DC or Peak AC			150	VAC
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
Contact resistance dynamic	Difference value 1,5 ms after excitation			20	mOhm
Insulation resistance	RH <45 %, 100V - to all points	1			GOhm
Breakdown voltage	according to EN 60255-5	250			VDC
Operate time incl. bounce	measured with 40% overdrive			0,6	ms
Release time	measured with no coil excitation			0,05	ms
Capacitance	@ 10 kHz across open switch			0,2	pF
Resonant Frequency		7.000	7.500	8.000	Hz
Operating Frequency			500		Hz

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
Ambient temperature		-40		130	°C
Storage temperature		-55		130	°C
Soldering temperature	wave soldering max. 5 sec.			260	°C

Modifications in the sense of technical progress are reserved

Designed at: 23.06.08    Designed by: AKELLER    Approval at: 24.06.08    Approval by: RKAMP  
 Last Change at: 02.09.22    Last Change by: ABERNHART    Approval at: 05.10.22    Approval by: YDENG

Rev. No.: 07