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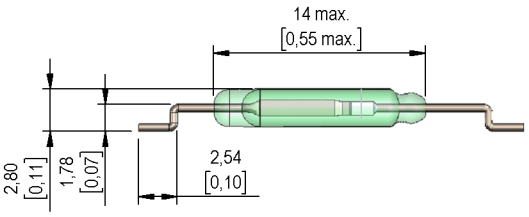
Item No.:
9231291015
Item:
MK23-90-B-2

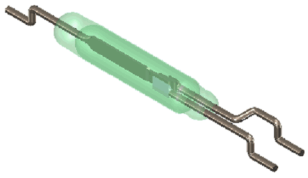
Dimensions mm[inch]

tolerances according to DIN ISO 2768-m
Toleranzen gem. DIN ISO 2768-m

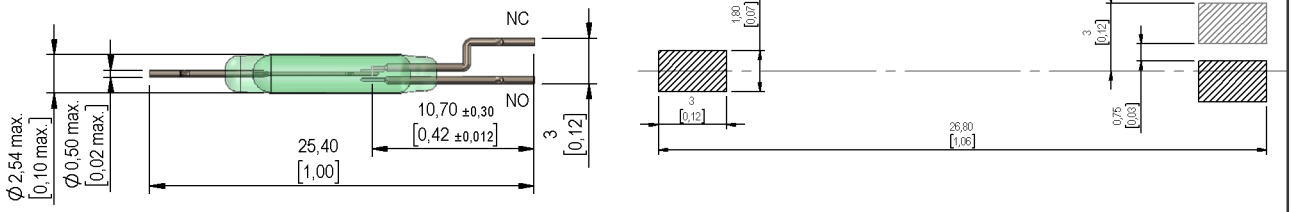


Isometric

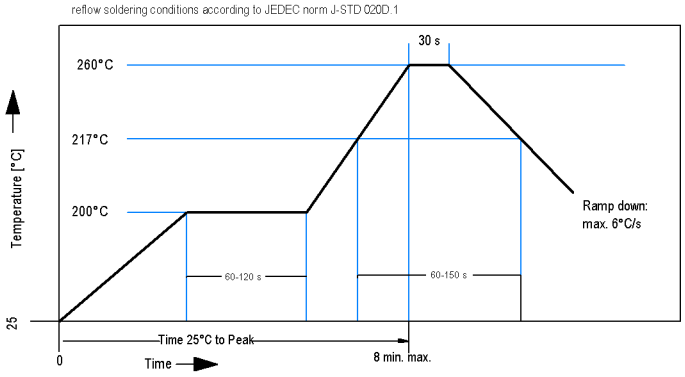
Scale2:1
Maßstab 2:1



Recommended PCB Pad Layout

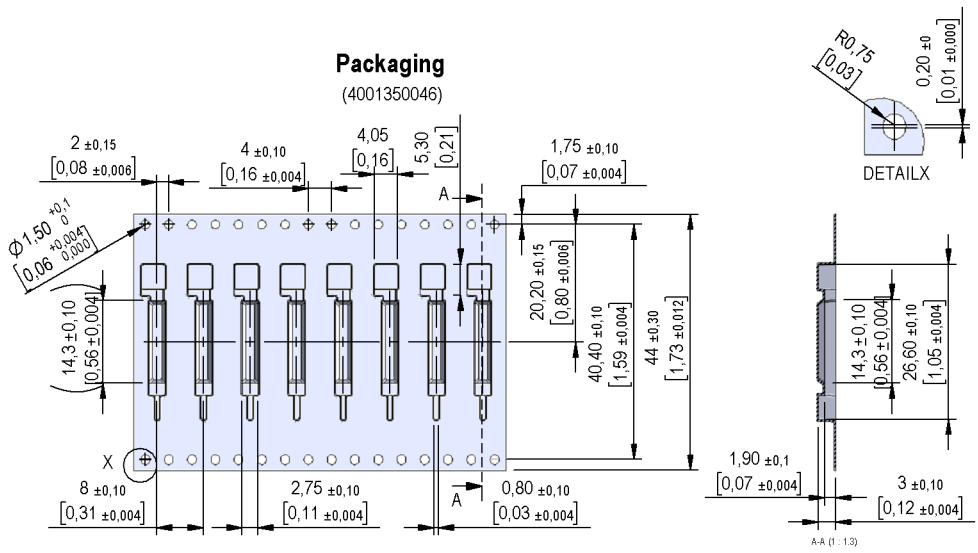


Solder Reflow Profile



Packaging

(4001350046)



Modifications in the sense of technical progress are reserved

Designed at:	05/07/09	Designed by:	AKELLER	Approval at:	05/11/09	Approval by:	RKAMP	
Last Change at:	03/08/17	Last Change by:	WKOVACS	Approval at:	03/08/17	Approval by:	HSINGH	**Rev. No.:** 05

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Item No.:
9231291015
Item:
MK23-90-B-2

Magnetic properties	Conditions	Min	Typ	Max	Unit
Pull-In excitation (modified contact)	Reed switch modified phys. conditioned tolerance of +/- 1 AT	16		28	AT
Test-Coil	Reed switch modified		KMS-21		
Pull-In in milliTesla (modified conta	MS150 - phys. caused tolerance +/- 0,1mT	2.6		3.1	mT

Contact data 90	Conditions	Min	Typ	Max	Unit
Contact-No.			90		
Contact-form			C		
Contact-material			Rhodium		
Contact rating	Any DC combination of V & A not to exceed their individual max.'s			10	W
Switching voltage	DC or Peak AC/ with 40% overdrive			175	V
Switching current	DC or Peak AC/with 40% overdrive			0.5	A
Carry current	DC or Peak AC/ with 40% overdrive			1	A
Contact resistance static	Measured with 40% overdrive Start Value			150	mOhm
Contact resistance dynamic	Maximum value 1,5 ms after excitation Start Value			250	mOhm
Insulation resistance	RH <45 %, 100 V test voltage	1			GOhm
Breakdown voltage	according to IEC 255-5	200			VDC
Operate time, incl. bounce	measured with 40% overdrive			0.7	ms
Release time	measured with no coil excitation			1.5	ms
Capacity	@ 10 kHz across open switch		1		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 Tsold	Reflow acc.IPC/JEDEC J-STD-020D.1			260	°C

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