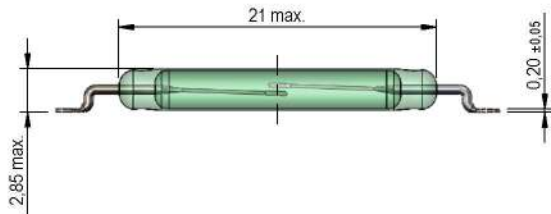
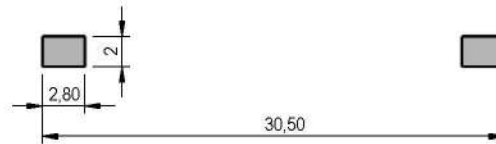
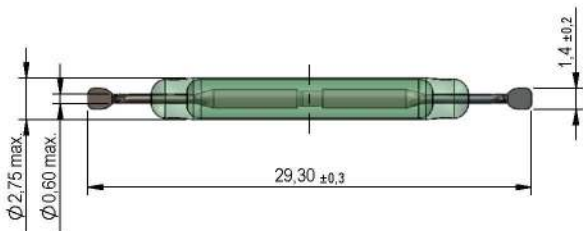


**Dimensions mm[inch]**  
tolerances according to DIN ISO 2768-m  
Toleranzen gem. DIN ISO 2768-m

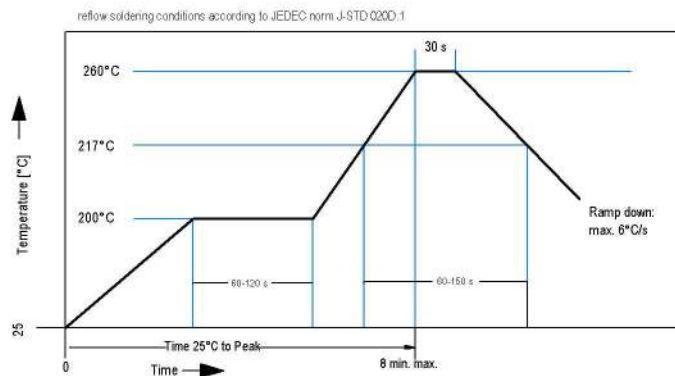
**Isometric**  
Scale 1:1  
Maßstab 1:1



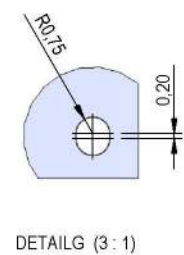
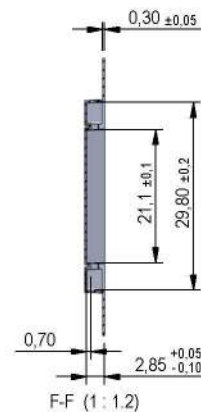
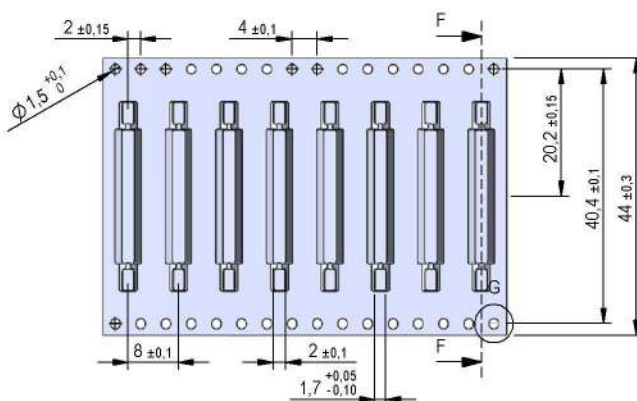
**Recommended PCB Pad Layout**



**Solder Reflow Profile**



**Packaging**





Europe: +49 / 7731 8399 0 | Email: info@meder.com  
 USA: +1 / 508 295 0771 | Email: salesusa@meder.com  
 Asia: +852 / 2955 1682 | Email: salesasia@meder.com

Item No.:  
**9231852025**  
 Item:  
**MK23-85-D-2**

Magnetic properties	Conditions	Min	Typ	Max	Unit
Pull-In excitation (Reference value)	Reed switch unmodified measured in coil- "define operation"	20		25	AT
Test-Coil	Reed switch unmodified	KMS-01			
Pull-In excitation (modified contact)	Reed switch modified phys. conditioned tolerance of +/- 1 AT	28		41	AT
Test-Coil	Reed switch modified	KMS-21			
Pull-In in milliTesla (modified conta	MS150 - phys. caused tolerance +/- 0,1mT	1,1		1,4	mT

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 (20-30 AT)	according to IEC 255-5	2.300			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

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.			260	°C

Modifications in the sense of technical progress are reserved

Designed at: 24.04.09 Designed by: AKELLER  
 Last Change at: 14.08.13 Last Change by: WKOVACS

Approval at: 27.04.09 Approval by: RKAMP  
 Approval at: 15.11.13 Approval by: AWEBER

Version: 06