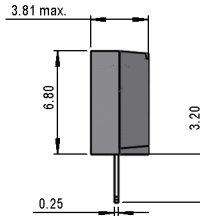
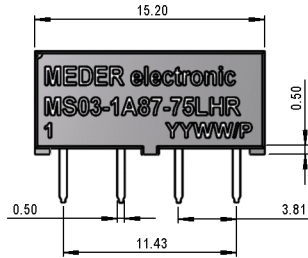
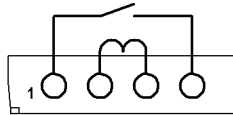


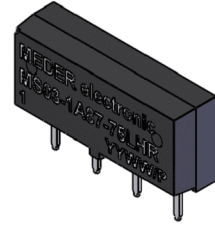
**Dimensions mm**  
 tolerances acc. to DIN ISO 2768-m



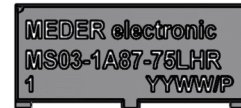
**Layout**  
 Top view



**Isometric**  
 Scale 2:1



**Marking**  
 according to EN60062



Coil Data at 20 °C	Conditions	Min	Typ	Max	Unit
Coil resistance		270	300	330	Ohm
Coil voltage			3		VDC
Pull-In voltage				2	VDC
Drop-Out voltage		0.3			VDC

Contact data 87	Conditions	Min	Typ	Max	Unit
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			1	A
Contact resistance static	Measured with 40% overdrive Start Value			150	mOhm
Insulation resistance	RH <45 %, 100V - to all points	1			TOhm
Breakdown voltage	according to IEC 255-5	200			VDC
Operate time incl. bounce	measured with 40% overdrive			0.5	ms
Release time	measured with no coil excitation			0.1	ms
Capacitance	@ 10 kHz across open switch		0.2		pF

Special Product Data	Conditions	Min	Typ	Max	Unit
Number of contacts				1	
Contact - form				A - NO	
Dielectric Strength Coil/Contact	according to EN 60255-5	1.5			kV DC
Housing material				epoxy resin	
Connection pins				FeNi-alloy tin plated	
Reach / RoHS conformity				yes	



*Products for tomorrow...*

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Item No.:  
**4203187975**  
Item:  
**MS03-1A87-75LHR**

Environmental data	Conditions	Min	Typ	Max	Unit
Shock	1/2 sine, duration 11ms, in 3 axis			50	g
Vibration	from 10 - 2000 Hz			20	g
Operating temperature		-20		70	°C
Storage temperature		-35		95	°C
Soldering temperature	wave soldering max. 5 sec.			260	°C
Washability		fully sealed			

Modifications in the sense of technical progress are reserved

Designed at: 12.07.11    Designed by: SWANG  
Last Change at:            Last Change by:

Approval at: 31.07.11    Approval by: DRUDOLF  
Approval at:                Approval by:

Rev. No.: 01