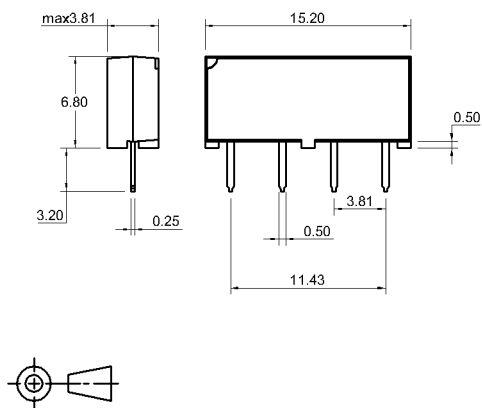


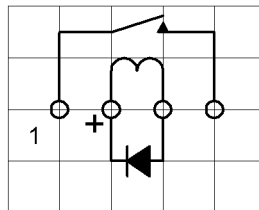
**DIMENSIONS (mm)**

Unspecified Tolerances +/- 0.25mm

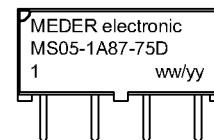


**LAYOUT 75D**

Pitch 3.81mm [0.150"] / Top View



**MARKING**



Coil Data at 20 °C	Conditions	Min	Typ	Max	Unit
Coil resistance		252	280	308	Ohm
Coil voltage			5		VDC
Rated power			90		mW
Pull-In voltage				3,75	VDC
Drop-Out voltage		0,75			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			GOhm
Breakdown voltage	according to IEC 255-5	0,23			kV DC
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 IEC 255-5	1,5			kV DC
Insulation resistance Coil/Contact	40 °C, 95% R.H.	10			TOhm
Case colour				black	
Housing material				epoxy resin	
Connection pins				FeNi-alloy tin plated	
Magnetic Shield				no	
Reach / RoHS conformity				yes	
Approval				UL File No. NRNT2.E156887	
Approval				UL File No. NRNT8.E156887	



*Products for tomorrow...*

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.:  
**4205187175**  
Item:  
**MS05-1A87-75D**

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		-20		70	°C
Storage temperature		-35		95	°C
Soldering temperature	wave soldering max. 5 sec.			260	°C
Washability					fully sealed

General data	Conditions	Min	Typ	Max	Unit
Total weight			1		g
Packaging					plastic tube a 32 pcs.

Modifications in the sense of technical progress are reserved

Designed at: 12.03.07 Designed by: TLANE  
Last Change at: 20.10.10 Last Change by: WKOVACS

Approval at: 12.03.07 Approval by: TLANE  
Approval at: 20.10.10 Approval by: CRUF

Version: 04