

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

**Layout**  
Top view  
Draufsicht

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

**Marking**  
according to EN60062/factory code  
gem. EN60062/Fertigungsstätte

**MEDER electronic**  
**SIL05-1A75-71D**  
**YWIP**

Coil Data at 20 °C	Conditions	Min	Typ	Max	Unit
Coil resistance		180	200	220	Ohm
Coil voltage			5		VDC
Rated power			125		mW
Coil current			25		mA
Thermal resistance			92		K/W
Inductance			27		mH
Pull-In voltage				3,5	VDC
Drop-Out voltage		0,75			VDC

Contact data 75	Conditions	Min	Typ	Max	Unit
Contact rating	Any DC combination of V & A not to exceed their individual max.'s			10	W
Switching voltage (<31 AT)	DC or Peak AC			500	V
Switching current	DC or Peak AC			0,5	A
Carry current	DC or Peak AC			1	A
Contact resistance static	Measured with 40% overdrive Start Value			200	mOhm
Contact resistance dynamic	Maximum value 1,5 ms after excitation Start Value			200	mOhm
Insulation resistance	RH <45 %, 100 V test voltage	10			GOhm
Breakdown voltage (20-30 AT)	according to EN 60255-5	1.000			VDC
Operate time incl. bounce	measured with 40% overdrive			0,5	ms
Release time	measured with no coil excitation			0,1	ms
Capacity	@ 10 kHz across open switch		0,4		pF

Special Product Data	Conditions	Min	Typ	Max	Unit
Dielectric Strength Coil/Contact	according to EN 60255-5	1,5			kV DC
Insulation resistance Coil/Contact	RH <45%, 200 VDC Measuring Voltage	1			TOhm
Capacity Coil/Contact	@ 10 kHz		0,7		pF
Housing material		epoxy resin			
Connection pins		CuFe tin plated			
Approval		UL-File Nr. NRNT2.E156887 / NRNT8.E156887			
Reach / RoHS conformity		yes			

Environmental data	Conditions	Min	Typ	Max	Unit
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Item No.:

**3305175171**

Item:

**SIL05-1A75-71D**

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: 10.03.04    Designed by: SCHELLHORN

Approval at: 18.09.12    Approval by: CRUF

Last Change at: 11.04.16    Last Change by: THAUKE

Approval at: 18.04.16    Approval by: DSTASTNY

Version: 3

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