

*Products for tomorrow...*

### Dimensions mm[inch]

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

### Isometric

Scale 2:1  
Maßstab 2:1

### Layout

Top view  
Draufsicht

### Marking

according to EN60062/factory code  
gem. EN60062/Fertigungsstätte

**MEDER electronic**  
**SIL05-1A72-74L**  
**YW/P**

Coil Data at 20 °C	Conditions	Min	Typ	Max	Unit
Coil resistance		450	500	550	Ohm
Coil voltage			5		VDC
Rated power			50		mW
Coil current			10		A
Thermal resistance	max. Relay temperature = operating temperature + self heating		100		K/W
Inductance			35		mH
Pull-In voltage				3,5	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			0,5	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 EN 60255-5	0,2			kV DC
Operate time incl. bounce	measured with 40% overdrive			0,35	ms
Release time	measured with no coil excitation			0,1	ms
Capacitance	@ 10 kHz across open switch		0,7		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	2			kV DC
Insulation resistance Coil/Contact	RH <45%, 200 VDC test voltage	1			TOhm
Capacity Coil/Contact	@ 10 kHz		1,4		pF
Case colour			black		
Housing material			epoxy resin		
Connection pins			CuFe2P tin plated		
Magnetic Shield			no		

Modifications in the sense of technical progress are reserved

Designed at: 10.02.09    Designed by: THAUKE  
 Last Change at: 14.09.12    Last Change by: NMIHAI

Approval at: 11.02.11    Approval by: JHEYDER  
 Approval at: 18.09.12    Approval by: CRUF



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Item No.:  
**3305100074**  
 Item:  
**SIL05-1A72-74L**  
**SIL HF Relais**

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Reach / RoHS conformity		yes
Approval		UL File No. NRNT2.E156887
Approval		UL File No. NRNT8.E156887

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			1,6		g
Packaging		Tube per 25 piece			

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