

**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**  
**SIL03-1A72-71D**  
**YW/P**

Coil Data at 20 °C	Conditions	Min	Typ	Max	Unit
Coil resistance		450	500	550	Ohm
Coil voltage			3		VDC
Rated power			18		mW
Coil current			6		mA
Thermal resistance	max. Relay temperature = operating temperature + self heating		106		K/W
Inductance			100		mH
Pull-In voltage				2,1	VDC
Drop-Out voltage		0,45			VDC

Contact data 66/3	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			0,5	A
Carry current	DC or Peak AC			1	A
Contact resistance static	Measured with 40% overdrive Start Value			100	mOhm
Insulation resistance	RH <45 %, 100 V test voltage	5			TOhm
Breakdown voltage (< 20 AT)	according to EN 60255-5	190			VDC
Operate time incl. bounce	measured with 40% overdrive			0,7	ms
Release time	measured with no coil excitation			0,05	ms
Capacity	@ 10 kHz across open switch		0,3		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
Insulation resistance Coil/Contact	RH <45%, 200 VDC measuring voltage	100			GOhm
Capacity Coil/Contact	@ 10 kHz		0,7		pF
Case colour			black		
Housing material			epoxy resin		
Connection pins			FeNi42, tin plated		
Magnetic Shield			no		
Approval			UL-File No. NRNT2.E156887		
Approval			UL-File No. NRNT8.E156887		
Reach / RoHS conformity			yes		
Remark			Polarity Diode note!		



*Products for tomorrow...*

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Item No.:  
**3303172171**  
Item:  
**SIL03-1A72-71D**

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					Stange 25 pcs.

Modifications in the sense of technical progress are reserved

Designed at: 19.08.09    Designed by: KSCHIELENSKI    Approval at: 05.11.09    Approval by: KOLBRICH  
Last Change at: 14.09.12    Last Change by: NMIHAI    Approval at: 18.09.12    Approval by: CRUF

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