

### Dimensions

### Layout 10A Pitch 2.54 / Top View

### Marking

Type - Layout  
 Production-Code  
 EN60062

MEDER electronic  
 DIP05-1A72-10A  
 YW

unspecified tolerances  $\pm 0.1\text{mm}$   
 nicht spezifizierte Toleranzen  $\pm 0.1\text{mm}$

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		mA
Thermal resistance	max. Relay temperature = operating temperature + self heating		112		K/W
Inductance			35		mH
Pull-In voltage				3,5	VDC
Drop-Out voltage		0,75			VDC

Contact data 66/3	Conditions	Min	Typ	Max	Unit
Contact-No.				66/3	
Contact-form				A	
Contact-material				Iridium	
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
Contact resistance dynamic	Maximum value 1,5 ms after excitation Start Value			150	mOhm
Insulation resistance	RH <45 %, 100 V test voltage	10			GOhm
Breakdown voltage	according to IEC 255-5	250			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 IEC 255-5	1,5			kV DC
Insulation resistance Coil/Contact	RH <45%, 200 VDC measuring voltage	5			TOhm
Capacity Coil/Contact	@ 10 kHz		1		pF
Case colour				black	
Housing material				epoxy resin	
Connection pins				FeNi-alloy tin plated	

Modifications in the sense of technical progress are reserved



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Item No.:  
**3205172210**  
Item:  
**DIP05-1A72-10A**

Special Product Data	Conditions	Min	Typ	Max	Unit
Approval					
Reach / RoHS conformity				yes	
Remark					

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	

General data	Conditions	Min	Typ	Max	Unit
Total weight			1,4		g
Packaging				Tube per 25 pcs.	

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Designed at: 26.04.04    Designed by: SCHELLHORN  
Last Change at: 29.10.10    Last Change by: THAUKE

Approval at: 28.08.09    Approval by: KOLBRICH  
Approval at: 29.10.10    Approval by: JHEYDER

Version: 2