

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

**Layout**  
 Top view  
 Draufsicht

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

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

Coil Data at 20 °C	Conditions	Min	Typ	Max	Unit
Coil resistance		450	500	550	Ohm
Coil voltage			5		VDC
Rated power			50		mW
Pull-In voltage				3,5	VDC
Drop-Out voltage		0,75			VDC

Contact data 66	Conditions	Min	Typ	Max	Unit
Contact rating	Any DC combination of V & A not to exceed their individual max.'s			10	W
Switching voltage (>20 AT)	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			150	mOhm
Insulation resistance	RH <45 %, 100 VDC test voltage	10			GOhm
Breakdown voltage (>20 AT)	according to EN 60255-5	250			VDC
Operate time incl. bounce	measured with 40% overdrive			0,7	ms
Release time	measured with no coil excitation			0,05	ms
Capacitance	@ 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	2,12			kV DC
Insulation resistance Coil/Contact	RH <45%, 200 VDC measuring voltage	10			GOhm
Case colour				silver metallic	
Housing material				Metal	
Sealing compound				Voltatex CE 12 FW-UL	
Connection pins				Copper alloy tin plated	
Magnetic Shield				no	
Reach / RoHS conformity				yes	



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Item No.:  
**3105271220**  
Item:  
**NP05-2A66-500-220**  
**NP05-2A71-500-220**

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		-25		85	°C
Soldering temperature	wave soldering max. 5 sec.			260	°C
Washability					fully sealed

General data	Conditions	Min	Typ	Max	Unit
Total weight			6,5		g
Packaging					plastic tube a 48 pcs.

Modifications in the sense of technical progress are reserved

Designed at: 14.09.09    Designed by: MPOTUZAK  
Last Change at: 14.04.11    Last Change by: WKOVACS

Approval at: 17.09.09    Approval by: KOLBRICH  
Approval at: 14.04.11    Approval by: CRUF

Version: 02