

**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** YW/P  
**SIL12-1A72-71LHR**

Coil Data at 20 °C	Conditions	Min	Typ	Max	Unit
Coil resistance		1.800	2.000	2.200	Ohm
Coil voltage			12		VDC
Rated power			72		mW
Thermal resistance	max. Relay temperature = operating temperature + self heating		109		K/W
Pull-In voltage				8,4	VDC
Drop-Out voltage		1,8			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			150	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 EN 60255-5	1,5			kV DC
Insulation resistance Coil/Contact	RH <45%, 200 VDC measuring voltage	100			GOhm
Housing material			epoxy resin		
Connection pins			FeNi42, tin plated		
Reach / RoHS conformity			yes		
Magnetic Shield			yes		



*Products for tomorrow...*

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Item No.:  
**3312100471**  
Item:  
**SIL12-1A72-71LHR**

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			1,5		g
Packaging		tube per 25 pcs.			

Modifications in the sense of technical progress are reserved

Designed at: 04.03.04    Designed by: SCHELLHORN  
Last Change at: 11.08.11    Last Change by: THAUKE

Approval at: 16.08.11    Approval by: CRUF  
Approval at:                      Approval by:

Version: 2