

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

Isometric
Scale 2:1
 Maßstab 2:1

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

MEDER electronic
SIL12-1A72-71L YW/P

Layout
Top view
 Draufsicht

Coil Data at 20 °C	Conditions	Min	Typ	Max	Unit
Coil resistance		900	1.000	1.100	Ohm
Coil voltage			12		VDC
Rated power			144		mW
Coil current			12		mA
Thermal resistance	max. Relay temperature = operating temperature + self heating		92		K/W
Inductance			107		mH
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			15	W
Switching voltage	DC or Peak AC			200	V
Switching current	DC or Peak AC			1	A
Carry current	DC or Peak AC			1,25	A
Contact resistance static	Measured with 40% overdrive Start Value			150	mOhm
Insulation resistance	RH <45 %, 100 V test voltage	10			TOhm
Breakdown voltage (> 20 AT)	according to EN 60255-5	0,5			kV DC
Operate time incl. bounce	measured with 40% overdrive			0,5	ms
Release time	measured with no coil excitation			0,1	ms
Capacity	@ 10 kHz across open switch		0,2		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	40°C, 95% R.H.	100			GOhm
Capacity Coil/Contact	@ 10 kHz		0,7		pF
Case colour			black		
Housing material			epoxy resin		
Connection pins			FeNi-alloy tin plated		
Magnetic Shield			no		
Reach / RoHS conformity			yes		
Approval			UL File No. NRNT2.E156887		
Approval			UL File No. NRNT8.E156887		



Products for tomorrow...

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Item No.:
3312100071
Item:
SIL12-1A72-71L

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			1,4		g
Packaging					Tube per 25 piece

Modifications in the sense of technical progress are reserved

Designed at: 04.03.04 Designed by: SCHELLHORN
Last Change at: 19.09.12 Last Change by: NMIHAI

Approval at: 30.09.09 Approval by: KOLBRICH
Approval at: 19.09.12 Approval by: CRUF

Version: 04