MEDER electronic
Products for tomorrow...

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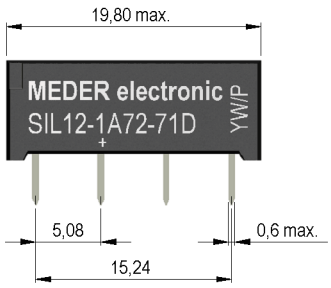
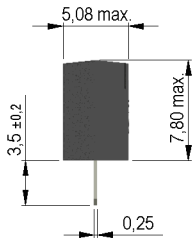
Item No.:
3312100171
Item:
SIL12-1A72-71D

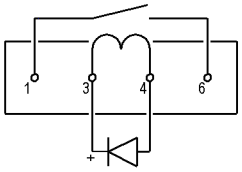
Dimensions mm[inch]
tolerances acc. to DIN ISO 2768-m
Toleranzen gem. DIN ISO 2768-m





Isometric
Scale 1:1
Maßstab 1:1

Layout
Top view
Draufsicht



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

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			91		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			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
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		0,15		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 test voltage	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			

Environmental data	Conditions	Min	Typ	Max	Unit

Modifications in the sense of technical progress are reserved

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Environmental data	Conditions	Min	Typ	Max	Unit
Shock	1/2 sine wave duration 11ms			30	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 weigth			1,5		g
Packaging		Tube per 25 piece			