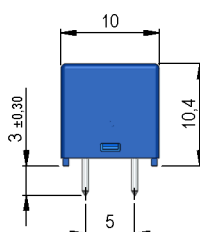
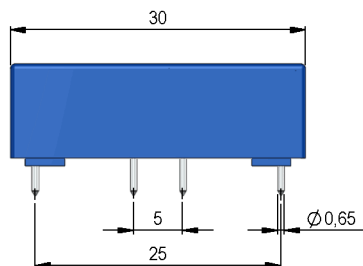


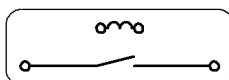
Dimensions mm[inch]

tolerances acc. to DIN ISO 2768-m
Toleranzen gem. DIN ISO 2768-m



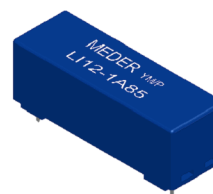
Layout

Top view
Draufsicht



Isometric

Scale 1:2
Maßstab 1:2



Marking

according to EN60062/factory code
gem. EN60062/Fertigungsstätte

MEDER YMP
LI12-1A85

Coil Data at 20 °C	Conditions	Min	Typ	Max	Unit
Coil resistance		612	680	748	Ohm
Coil voltage			12		VDC
Rated power			211		mW
Pull-In voltage				8,4	VDC
Drop-Out voltage		1,8			VDC

Contact Data 85	Conditions	Min	Typ	Max	Unit
Contact rating	Any DC combination of V & A not to exceed their individual max.'s			100	W
Switching voltage	DC or Peak AC			1.000	V
Switching current	DC or Peak AC			1	A
Carry current	DC or Peak AC 100% Duty Cycle			2,5	A
Contact resistance static	Measured with 40% overdrive			150	mOhm
Insulation resistance	RH <45 %, 100 V test voltage	10			TOhm
Breakdown voltage (40-50 AT)	according to EN 60255-5	4,2			kV DC
Operate time incl. bounce	measured with 40% overdrive			1,1	ms
Release time	measured with no coil excitation			0,1	ms
Capacitance	@ 10 kHz across open switch		0,5		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	7			kV DC
Insulation resistance Coil/Contact	RH <45%, 200 VDC test voltage	10			TOhm
Case colour			blue		
Housing material			PBT glass fibre reinforced		
Sealing compound			Polybutadiene, black		
Connection pins			Copper alloy tin plated		
Magnetic Shield			no		
Reach / RoHS conformity			yes		



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Item No.:

1612185000

Item:

LI12-1A85

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			4,7		g
Packaging		plastic tube, 16 pcs./each			

Modifications in the sense of technical progress are reserved

Designed at: 05.10.06 Designed by: WKOVACS

Approval at: 18.10.06 Approval by: KOLBRICH

Last Change at: 02.06.15 Last Change by: WKOVACS

Approval at: 02.06.15 Approval by: DSTASTNY

Version: 14

Mouser Electronics

Authorized Distributor

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