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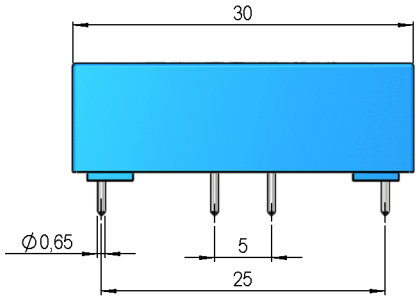
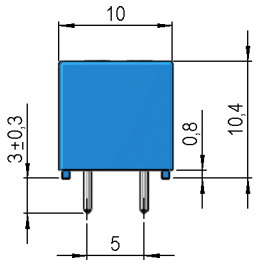
Item No.:
1605131000
Item:
LI05-1A31

Dimensions (mm)

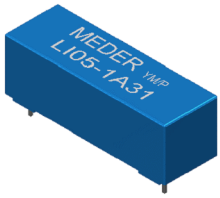
tolerances according to DIN ISO 2768-m
Toleranzen gem. DIN ISO 2768-m





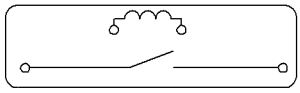
Isometric

Scale 1:1
Massstab 1:1



Layout

Top View
Draufsicht



Marking

according to EN60062/factory code
gem. EN60062/Fertigungsstätte

MEDER YM/P
LI05-1A31

Coil Data at 20 °C	Conditions	Min	Typ	Max	Unit
Coil resistance		153	170	187	Ohm
Coil voltage			5		VDC
Rated power			147		mW
Pull-In voltage				3,5	VDC
Drop-Out voltage		0,75			VDC

Contact data 31	Conditions	Min	Typ	Max	Unit
Contact rating	Any DC combination of V & A up to 500V max. 50W, with 1000V max. 5W			50	W
Switching voltage	DC or Peak AC			500	V
Switching current	DC or Peak AC			2	A
Carry current	DC or Peak AC			2	A
Contact resistance static	Measured with 40% overdrive Start Value			80	mOhm
Insulation resistance	RH <45 %, 100 V test voltage	10			GOhm
Breakdown voltage	according to EN 60255-5	2,1			kV DC
Operate time incl. bounce	measured with 40% overdrive			1,2	ms
Release Time	measured with no coil excitation			1	ms

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	4,25			kV DC
Insulation resistance Coil/Contact	RH <45%, 200 VDC test voltage	1			TOhm
Case colour		blue			
Housing material		PBT glass fibre reinforced			
Sealing compound		Polyurethan			
Connection pins		Copper alloy tin plated			

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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		-20		90	°C
Soldering temperature	wave soldering max. 5 sec.			260	°C
Washability		fully sealed			

General data	Conditions	Min	Typ	Max	Unit
Total weigth			4,6		g
Packaging		plastic tube a 16 pcs.			

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