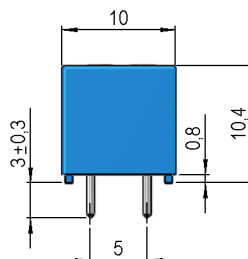
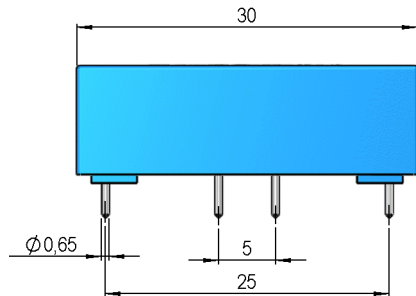
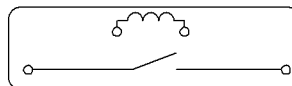
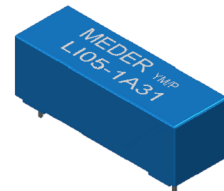


Dimensions (mm)

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

Layout

 Top View
 Draufsicht

Isometric

 Scale 1:1
 Massstab 1:1

Marking

 according to EN60062/factory code
 gem. EN60062/Fertigungsstätte

MEDER YMP
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	1			TOhm
Breakdown voltage	according to IEC 255-5	2,1			kV DC
Operate time incl. bounce	measured with 40% overdrive			1,2	ms
Release Time	measured with no coil excitation			1	ms
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 IEC 255-5	4,25			kV DC
Insulation resistance Coil/Contact	RH <45%, 200 VDC test voltage	1			TOhm
Case colour					
Housing material			PBT glass fibre reinforced		
Sealing compound			Polyurethan		
Connection pins			Copper alloy tin plated		
Reach / RoHS conformity			no		



Products for tomorrow...

Europe: +49 / 7731 8399 0

| Email: info@meder.com

USA: +1 / 508 295 0771

| Email: salesusa@meder.com

Asia: +852 / 2955 1682

| Email: salesasia@meder.com

Item No.:

1605131000

Item:

LI05-1A31

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 weight			4,6		g
Packaging		plastic tube a 16 pcs.			

Modifications in the sense of technical progress are reserved

Designed at: 10.09.08 Designed by: MPOTUZAK

Approval at: 10.09.08 Approval by: KOLBRICH

Last Change at: 20.08.10 Last Change by: WKOVACS

Approval at: 20.08.10 Approval by: KOLBRICH

Version: 08