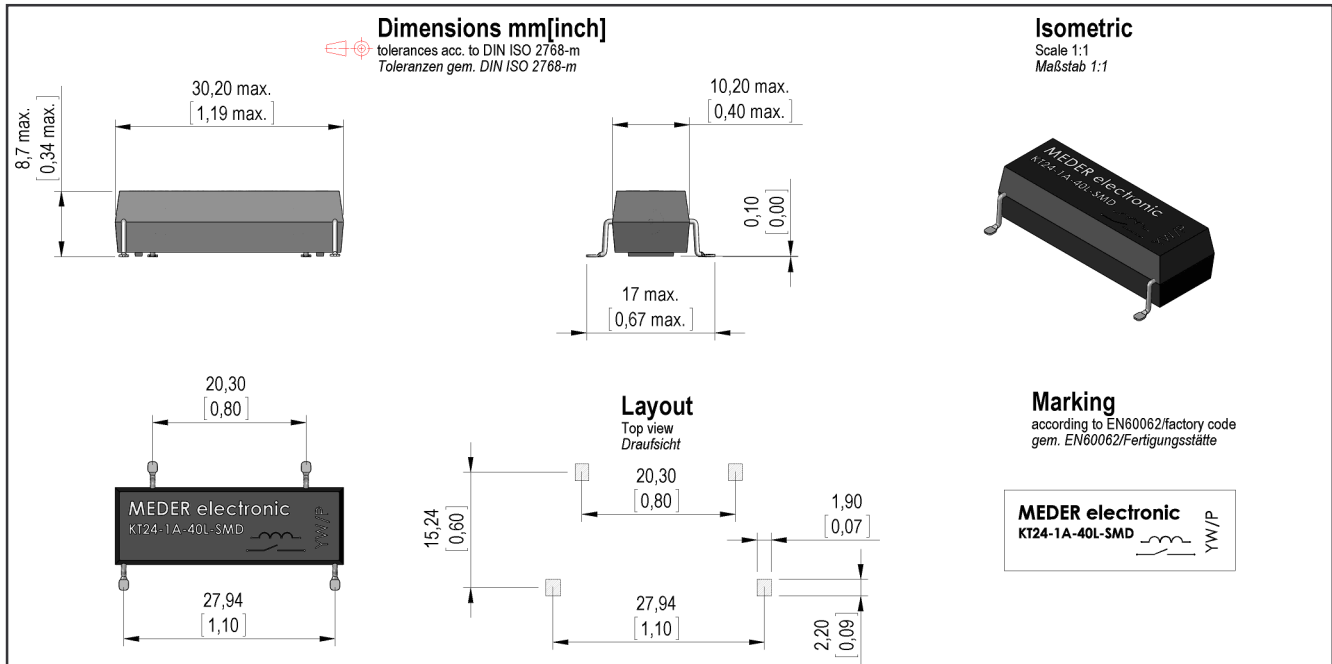


*Products for tomorrow...*

## Preliminary Datasheet



Coil Data at 20 °C	Conditions	Min	Typ	Max	Unit
Coil resistance		1.620	1.800	1.980	Ohm
Coil voltage			24		VDC
Pull-In voltage				18	VDC
Drop-Out voltage		2			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
Contact resistance dynamic	Maximum value 1,5 ms after excitation			200	mOhm
Insulation resistance	RH <45 %, 100 V test voltage	10			GOhm
Breakdown voltage (40-50 AT)	according to EN 60255-5	3.000			VDC
Operate time incl. bounce	measured with 40% overdrive			1,1	ms
Release time	measured with no coil suppression			0,1	ms
Capacitance	@ 10 kHz across open switch		0,5		pF

Special Product Data	Conditions	Min	Typ	Max	Unit
Dielectric Strength Coil/Contact	according to EN 60255-5	7			kV DC
Insulation resistance Coil/Contact	RH <45%, 200 VDC measuring voltage	1			TOhm
Capacity Coil/Contact	@ 10 kHz		1		pF
Housing material		epoxy resin			
Reach / RoHS conformity		yes			

Environmental data	Conditions	Min	Typ	Max	Unit
Shock	1/2 sine, duration 11ms, in 3 axis			50	g
Vibration	from 10 - 2000 Hz			20	g
Operating temperature		-40		125	°C
Storage temperature		-40		125	°C
Soldering Temperature Tsold	Reflow acc.IPC/JEDEC J-STD-020D.1			260	°C
Washability		fully sealed			

General data	Conditions	Min	Typ	Max	Unit
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Modifications in the sense of technical progress are reserved

Designed at: 19.01.11    Designed by: SWANG  
 Last Change at:            Last Change by:

Approval at:                    Approval by:  
 Approval at:                    Approval by:

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Item No.:  
**9024185401**  
Item:  
**KT24-1A-40L-SMD**

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## Preliminary Datasheet

General data	Conditions	Min	Typ	Max	Unit
Packaging					TBD

Modifications in the sense of technical progress are reserved

Designed at: 19.01.11    Designed by: SWANG

Approval at:

Approval by:

Last Change at:            Last Change by:

Approval at:

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Version: 01