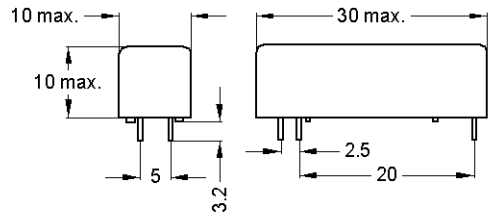


DIMENSIONS (mm)


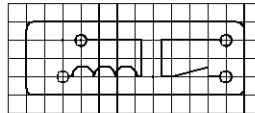
Pins: Ø0.65 mm
 L = 3.2mm +0.5/-0.3 mm
 Material: Cu-alloy tinned



tolerances according to DIN ISO 2768 m

LAYOUT

pitch 2.5 mm/Top view


MARKING


MEDER-Label
 Type/Layout
 Production code,
 EN60062/Factory code
 PTB 01 ATEX 2050U
 0344 II(1)G [EEx ia] IIC

Coil Data at 20 °C	Conditions	Min	Typ	Max	Unit
Coil resistance		1.170	1.300	1.430	Ohm
Inductance			305		mH
Coil voltage			12		VDC
Rated power			110		mW
Thermal resistance	max. Relay temperature = - operating temperature + self heating		85		K/W
Pull-In voltage				9	VDC
Drop-Out voltage		2			VDC

Special Product Data	Conditions	Min	Typ	Max	Unit
Contact-form			A		
Contact rating	Any DC combination of V & A not to exceed their individual max.'s			10	W
Switching voltage	DC or Peak AC			250	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 %, 200 V test voltage	100			GOhm
Breakdown voltage		400			VDC
Operate time incl. bounce	measured with 40% overdrive			0,5	ms
Release time	measured with no coil excitation			0,2	ms
Capacitance	@ 10 kHz across open switch		0,4		pF

Environmental data	Conditions	Min	Typ	Max	Unit
Insulation resistance Coil/Contact	RH <45%, 200 VDC test voltage	1.000			GOhm
Insulation voltage Coil/Contact	according to IEC 255-5	2,5			kVAC
Shock	1/2 sine wave duration 11ms			50	g
Vibration	from 10 - 2000 Hz			20	g
Ambient temperature		-20		85	°C
Storage temperature		-40		105	°C
Soldering temperature	wave soldering max. 5 sec.			260	°C
Washability			fully sealed		
Housing material			Plastics / Polyamid		
Sealing compound			Polyurethan		
Connection pins			Copper alloy tin plated		
Remarks			Reed-Relay to be used for the galvanic separation		
Remarks 1.			of intrinsically safe and non-intrinsically safe		
Remarks 2.			circuits with Ex-approval by PTB 01 ATEX 2050 U.		