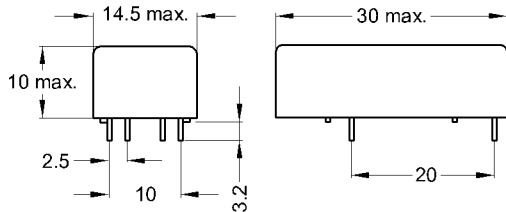


DIMENSIONS (mm)



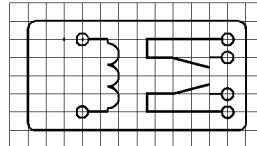
Pins: Ø0.65 mm  
L = 3.2mm +0,5/-0.3 mm  
Material: Cu-alloy tinned



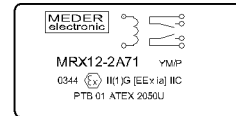
tolerances according to DIN ISO 2768 m

LAYOUT

pitch 2.5 mm/Top view



MARKING



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

Coil Data at 20 °C	Conditions	Min	Typ	Max	Unit
Coil resistance		800	890	980	Ohm
Inductance			260		mH
Coil voltage			12		VDC
Rated power			160		mW
Thermal resistance	max. Relay temperature = operating temperature + self heating		70		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				
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	1			GOhm
Breakdown voltage		300			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 above open contact		0,3		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
Cleaning			fully sealed		
Housing material			Plastics / Polyamid		
Sealing compound			Polyurethan		
Remarks			Reed-Relay to be used for the galvanic separation		
Remarks			intrinsically safe and non-intrinsically safe		
Remarks			circuits with Ex-approval by PTB 01 ATEX 2050 U.		