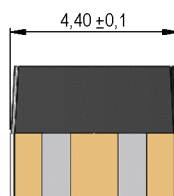
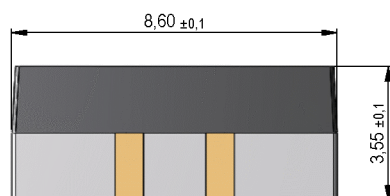
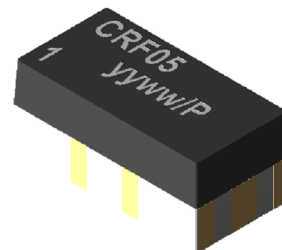


Dimensions mm[inch]
tolerances acc. to DIN ISO 2768-m
Toleranzen gem. DIN ISO 2768-m

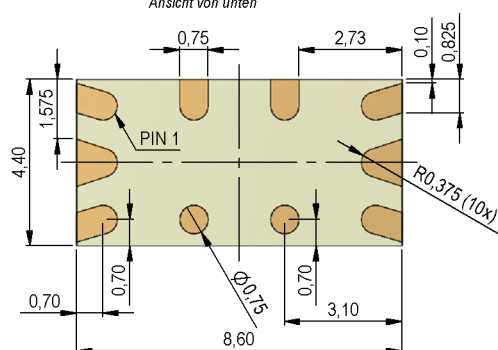


Isometric
Scale 5:1
Maßstab 5:1



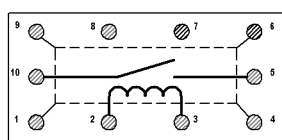
Relay pad layout

Bottom view
Ansicht von unten



Schematic

Top view
Draufsicht



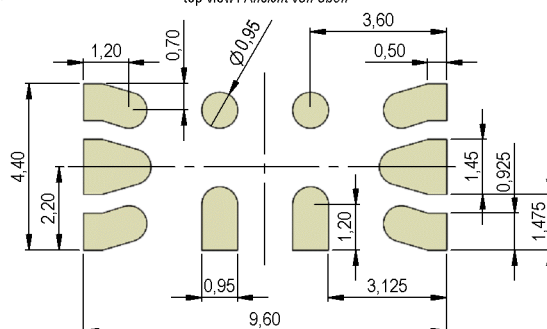
Marking

according to EN60062/factory code
gem. EN60062/Fertigungsstätte



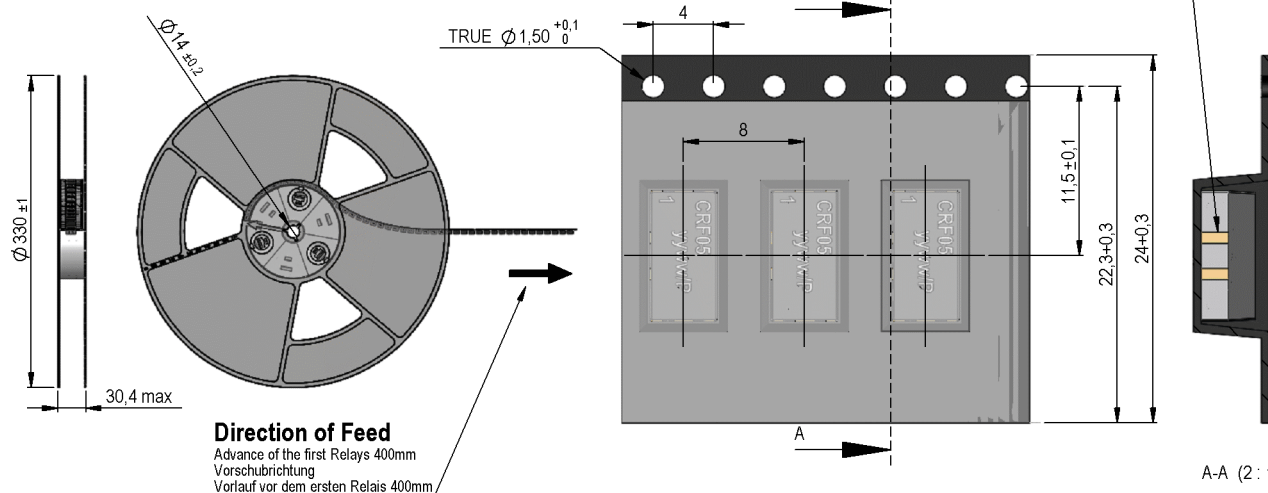
Recommended PCB Pad Layout

top view / Ansicht von oben



Relay packaging orientation

Gold pads facing
to the left
Goldpads nach
links orientiert



A-A (2:1)



Products for tomorrow...

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Item No.:

9605180022

Item:

CRF05-1A

Coil Data at 20 °C	Conditions	Min	Typ	Max	Unit
Coil resistance		135	150	165	Ohm
Coil voltage			5		VDC
Rated power			167		mW
Pull-In voltage				3,75	VDC
Drop-Out voltage		0,75			VDC

Contact data 80/1	Conditions	Min	Typ	Max	Unit
Contact rating	Any DC combination of V & A			10	W
Switching voltage	DC or Peak AC			170	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			200	mOhm
Insulation resistance	RH <45 %, 100 V test voltage	1	10		GOhm
Breakdown voltage	according to EN 60255-5	210			VDC
Operate time incl. bounce	measured with 40% overdrive			0,1	ms
Release	measured with no coil excitation			0,02	ms
Capacity	@ 10 kHz across open switch		0,4		pF

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	1,5			kV DC
Insulation resistance Coil/Contact	RH <45%, 200 VDC measuring voltage	10	100		TOhm
Case color			black/white		
Housing material			Ceramic + mineral filled epoxy		
Material connection pads			W, Ni, gold plated		
Magnetic Shield			yes		
Approval			UL-File No. NRNT2.E156887		
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		-55		125	°C
Soldering Temperature Tsold	Reflow according IPC/JEDEC J-STD-020C			260	°C
Washability			fully sealed		
Remark			RF data available upon request, please consult factory		

General data	Conditions	Min	Typ	Max	Unit
Total weight			0,37		g
Packaging			Tape & Reel / 1000 pcs.		

Modifications in the sense of technical progress are reserved

Designed at: 16.11.09 Designed by: RPYPEC

Approval at: 16.11.09 Approval by: TLANE

Last Change at: 19.07.12 Last Change by: CRUF

Approval at: 19.07.12 Approval by: CRUF

Version: 06