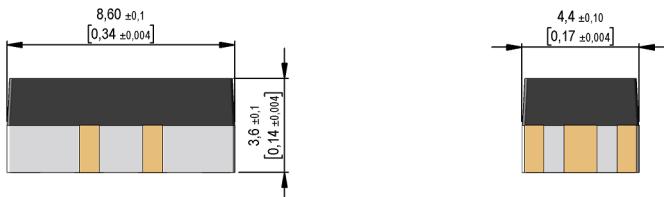
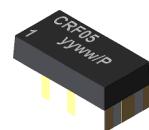


Dimensions mm[inch]
 tolerances acc. to DIN ISO 2768-m
 Toleranzen gem. DIN ISO 2768-m

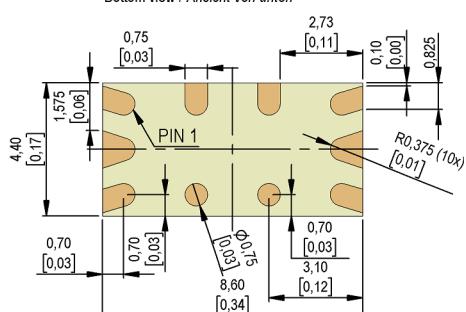


Isometric
 Scale 2:1
 Maßstab 2:1



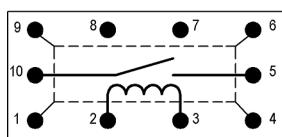
Relay pad layout

Bottom view / Ansicht von unten



Layout

Top view
Draufsicht



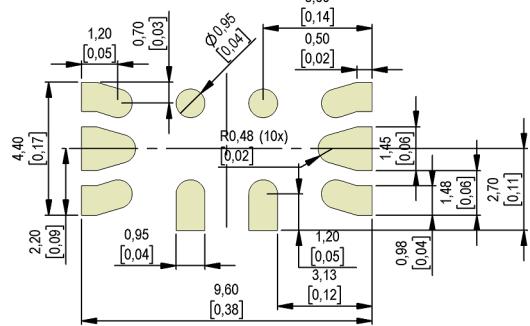
Marking

according to EN60062/factory code
 gem. EN60062/Fertigungsstätte

CRF05
1
yyww/P

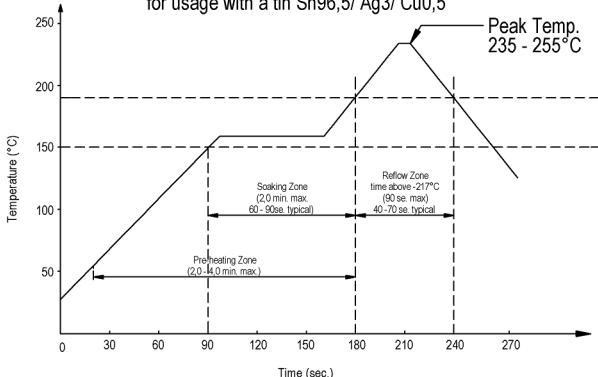
Recommended PCB Pad Layout

top view / Ansicht von oben

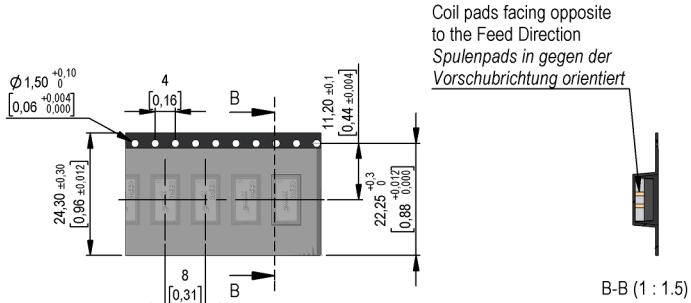
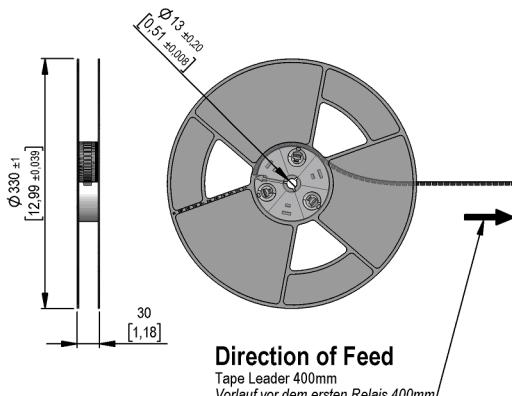


Recommended Reflow Lead-free Profile

(acc.to JEDEC J-STD 020D.1)
 for usage with a tin Sn96,5/ Ag3/ Cu0,5



Relay packaging orientation



Coil pads facing opposite
to the Feed Direction
Spulenpads in gegen der
Vorschubrichtung orientiert

B-B (1 : 1.5)

Modifications in the sense of technical progress are reserved

Designed at: 16.11.09 Designed by: RPYPEC
 Last Change at: 14.09.17 Last Change by: WKOVACS

Approval at: 16.11.09 Approval by: TLANE
 Approval at: 26.10.17 Approval by: DSTASTNY
 Version: 07



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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	Conditions	Min	Typ	Max	Unit
Contact-material				Rhodium	
Contact-rating	Any DC combination of V & A not to exceed their individual max.'s			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 Start Value			200	mOhm
Insulation resistance	RH <45 %, 100 V test voltage	10	100		GOhm
Breakdown voltage	according to EN 60255-5	210			VDC
Operate time incl. bounce	measured with 40% overdrive			0,6	ms
Release time	measured with no coil excitation			0,05	ms
Capacitance	@ 10 kHz above open switch		0,3	0,5	pF

Special Product Data	Conditions	Min	Typ	Max	Unit
Number of contacts				1	
Contact - form				A - NO	
Contact Bulk Resistance	Through all plated material on substrate		260	440	mOhm
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
Capacitance Coil/Contact	@ 10 kHz		0,9	1,1	pF
Case color				black/white	
Housing material				Ceramic + mineral filled epoxy	
Material connection pads				W, Ni, gold plated	
Magnetic Shield				yes, internal	
Remark				RF Data and S-Parameters available upon request	
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 acc.IPC/JEDEC J-STD-020D.1			255	°C
Washability				fully sealed	

General data	Conditions	Min	Typ	Max	Unit
Total weight			0,38		g
Packaging				Tape & Reel / 1000 pcs.	

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