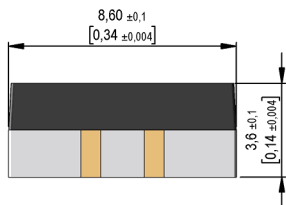




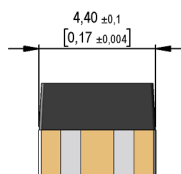
Dimensions mm[inch]

tolerances acc. to DIN ISO 2768-m
Toleranzen gem. DIN ISO 2768-m



Relay pad layout

Bottom view / Ansicht von unten

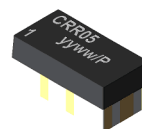


Layout

Top view
Draufsicht

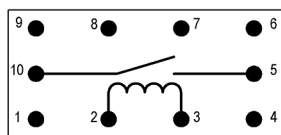
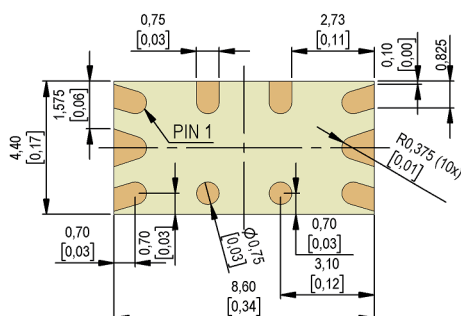
Isometric

Scale 2:1
Maßstab 2:1



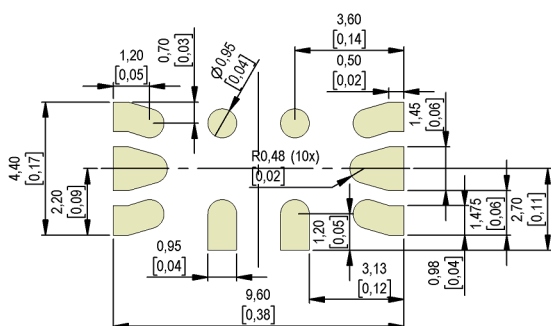
Marking

according to EN60062/factory code
gem. EN60062/Fertigungsstätte



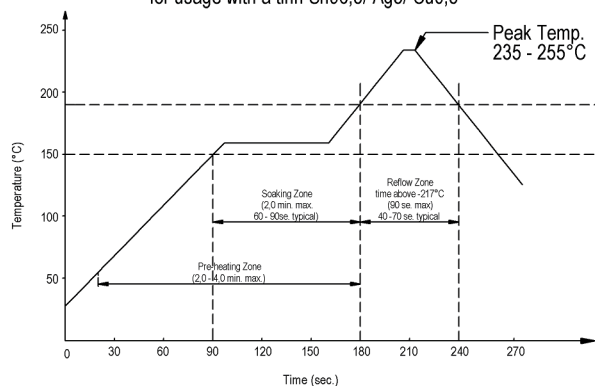
Recommended PCB Pad Layout

top view / Ansicht von oben

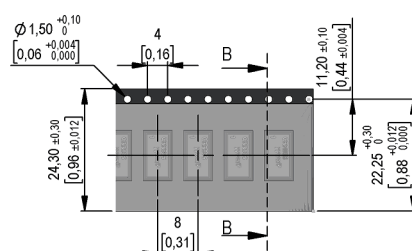
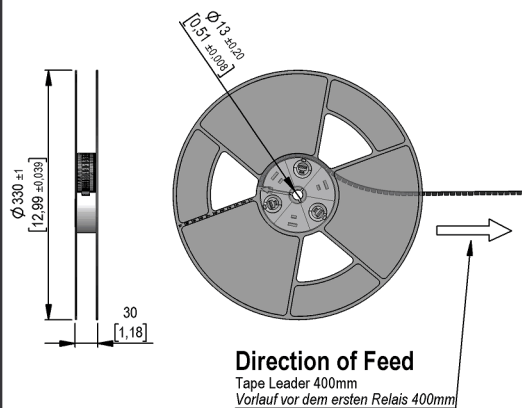


Recommended Reflow Lead-free Profile

(acc. to JEDEC J-STD 020D.1)
for usage with a tinn 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)

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	100	1.000		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 conection pads			W, Ni, gold plated		
Magnetic Shield			yes, internal		
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 weigth			0,37		g
Packaging			Tape & Reel / 1000 pcs.		