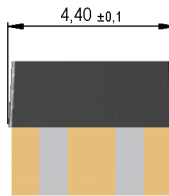
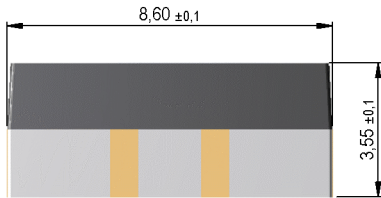
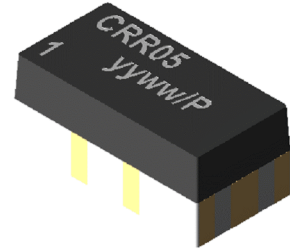


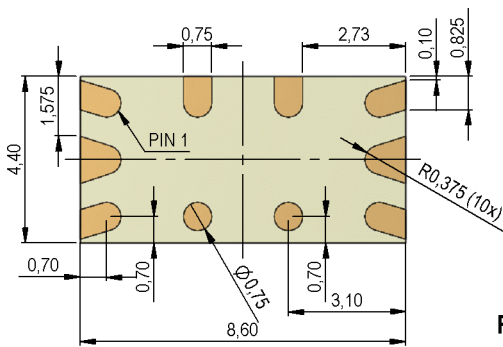
**Dimensions mm[inch]**  
 tolerances acc. to DIN ISO 2768-m  
 Toleranzen gem. DIN ISO 2768-m



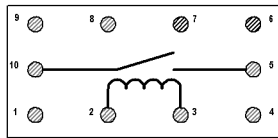
**Isometric**  
 Scale 5:1  
 Maßstab 5:1



**Relay pad layout**  
 Bottom view  
 Ansicht von unten



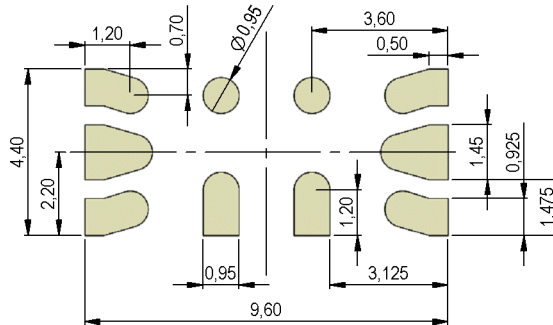
**Schematic**  
 Top view  
 Draufsicht



**Marking**  
 according to EN60062/factory code  
 gem. EN60062/Fertigungsstätte

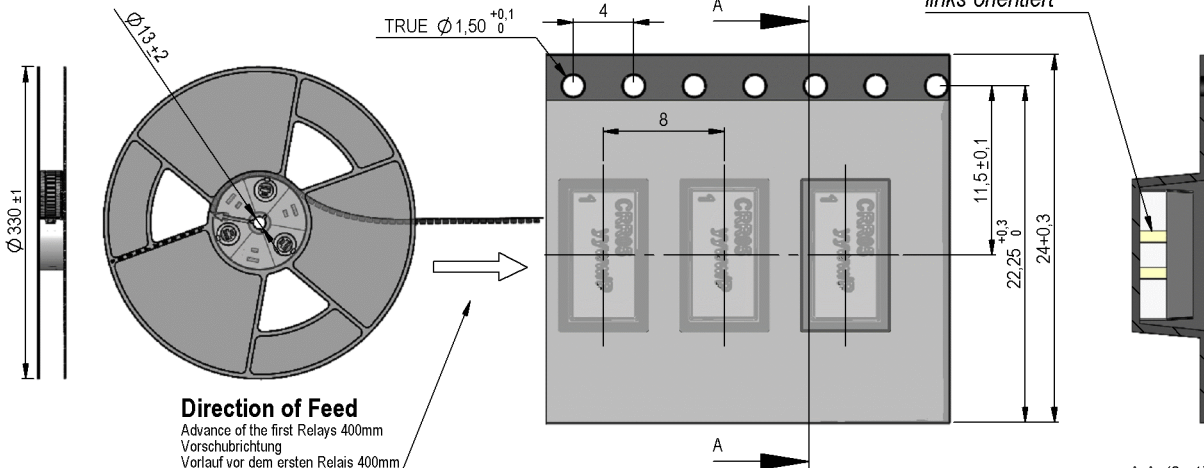


**Recommended PCB Pad Layout**  
 top view / Ansicht von oben



**Relay packaging orientation**

Gold pads facing to the left  
 Goldpads nach links orientiert



**Direction of Feed**  
 Advance of the first Relays 400mm  
 Vorschubrichtung  
 Vorlauf vor dem ersten Relais 400mm



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Item No.:  
**9605180012**  
 Item:  
**CRR05-1A**

*Products for tomorrow...*

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-No.		80/1			
Contact-form		A			
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			0,6	ms
Release	measured with no coil excitation			0,05	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			
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			

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: 07.12.09 Designed by: MAPODACA  
 Last Change at: 19.07.12 Last Change by: CRUF

Approval at: 21.07.11 Approval by: CRUF  
 Approval at: 19.07.12 Approval by: CRUF

Version: 06