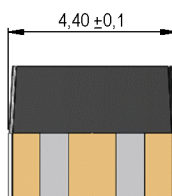
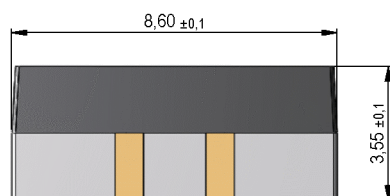
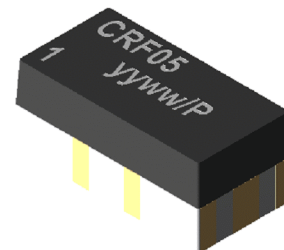


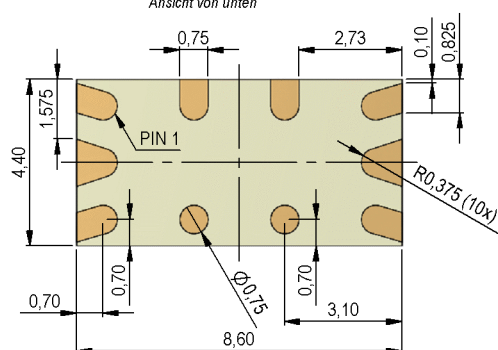
### Dimensions mm[inch]

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


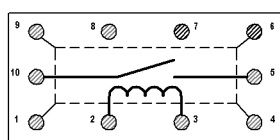
### Isometric

 Scale 5:1  
 Maßstab 5:1


### Relay pad layout

 Bottom view  
 Ansicht von unten


### Schematic

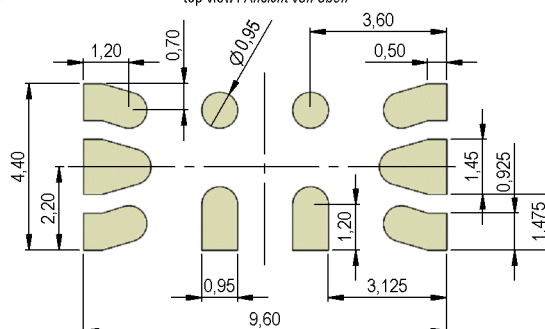
 Top view  
 Draufsicht


### Marking

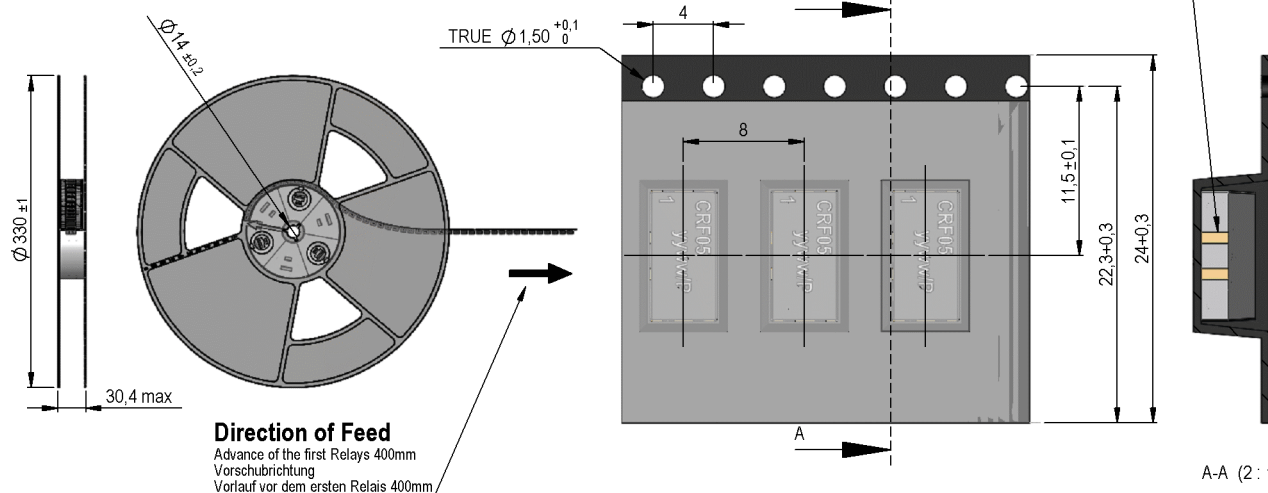
 according to EN60062/factory code  
 gem. EN60062/Fertigungsstätte


### 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



*Products for tomorrow...*

Europe: +49 / 7731 8399 0

| Email: info@meder.com

USA: +1 / 508 295 0771

| Email: salesusa@meder.com

Asia: +852 / 2955 1682

| Email: salesasia@meder.com

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

# AMEYA360

## Components Supply Platform

Authorized Distribution Brand :



Website :

Welcome to visit [www.ameya360.com](http://www.ameya360.com)

Contact Us :

➤ Address :

401 Building No.5, JiuGe Business Center, Lane 2301, Yishan Rd  
Minhang District, Shanghai , China

➤ Sales :

Direct +86 (21) 6401-6692

Email [amall@ameya360.com](mailto:amall@ameya360.com)

QQ 800077892

Skype ameyasales1 ameyasales2

➤ Customer Service :

Email [service@ameya360.com](mailto:service@ameya360.com)

➤ Partnership :

Tel +86 (21) 64016692-8333

Email [mkt@ameya360.com](mailto:mkt@ameya360.com)