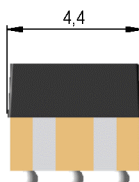
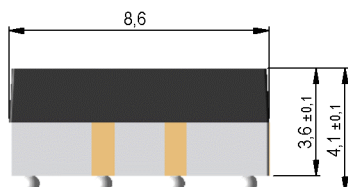
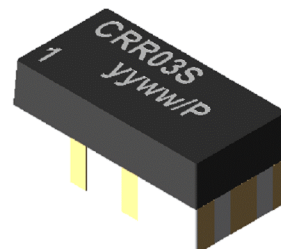


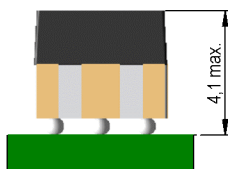
Dimensions mm[inch]
tolerances acc. to DIN ISO 2768-m
Toleranzen gem. DIN ISO 2768-m



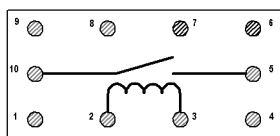
Isometric
Scale 5:1
Maßstab 5:1



Post reflow hight



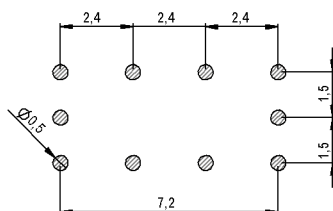
Schematic
Top view
Draufsicht



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

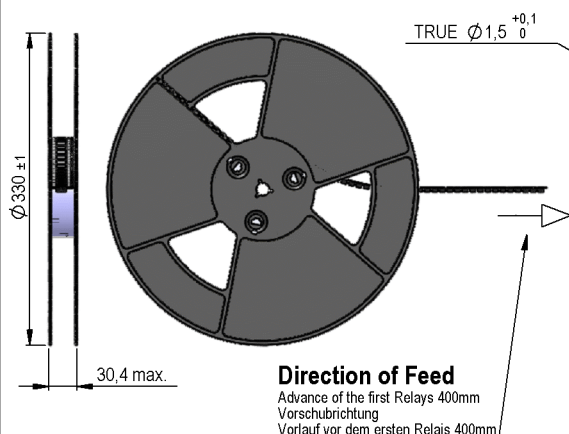


Recommended PCB Pad Layout

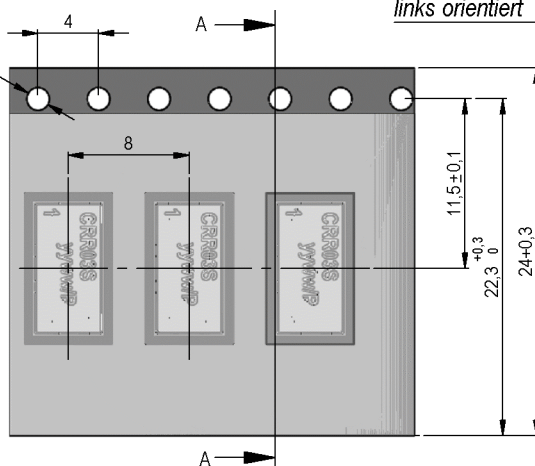


Relay packaging orientation

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



A-A (2:1)



Products for tomorrow...

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Item No.:

9603180010

Item:

CRR03-1AS

Coil Data at 20 °C	Conditions	Min	Typ	Max	Unit
Coil resistance		63	70	77	Ohm
Coil voltage			3		VDC
Rated power			129		mW
Pull-In voltage				2,25	VDC
Drop-Out voltage		0,45			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 IEC 255-5	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			BGA solderballs D= 0,025 inches		
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-0			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: 15.09.11 Designed by: WKOVACS

Approval at: 19.09.11 Approval by: CRUF

Last Change at: Last Change by:

Approval at: Approval by:

Version: 01