

# COMUS Relays

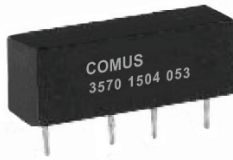
**Part Number: 3570 1504**  
**Instrumentation Grade SIL - 1 Form A**  
**Product Data Sheet**



**1000 V**  
**Switching**

**3000 V**  
**Breakdown**  
**Voltage**

## PICTURE



✓ **RoHS Compliant**

## FEATURES

- High Reliability Instrumentation Grade reed switch with sputtered Ruthenium contacts.
- SIL 1 Form A -100 W dry reed relays
- Standard internal magnetic shield.
- High Insulation Resistance :  $10^{12} \Omega$  MIN
- Optional internal coil suppression diode.
- 3000 V Breakdown Voltage
- 1000 V Switching Voltage

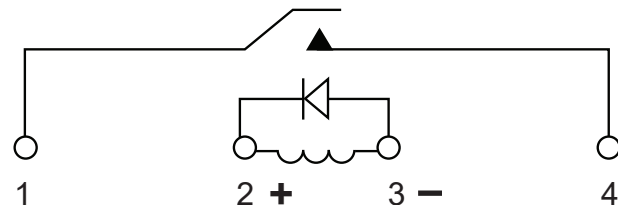
**発売時期未定**

## ORDERING INFORMATION

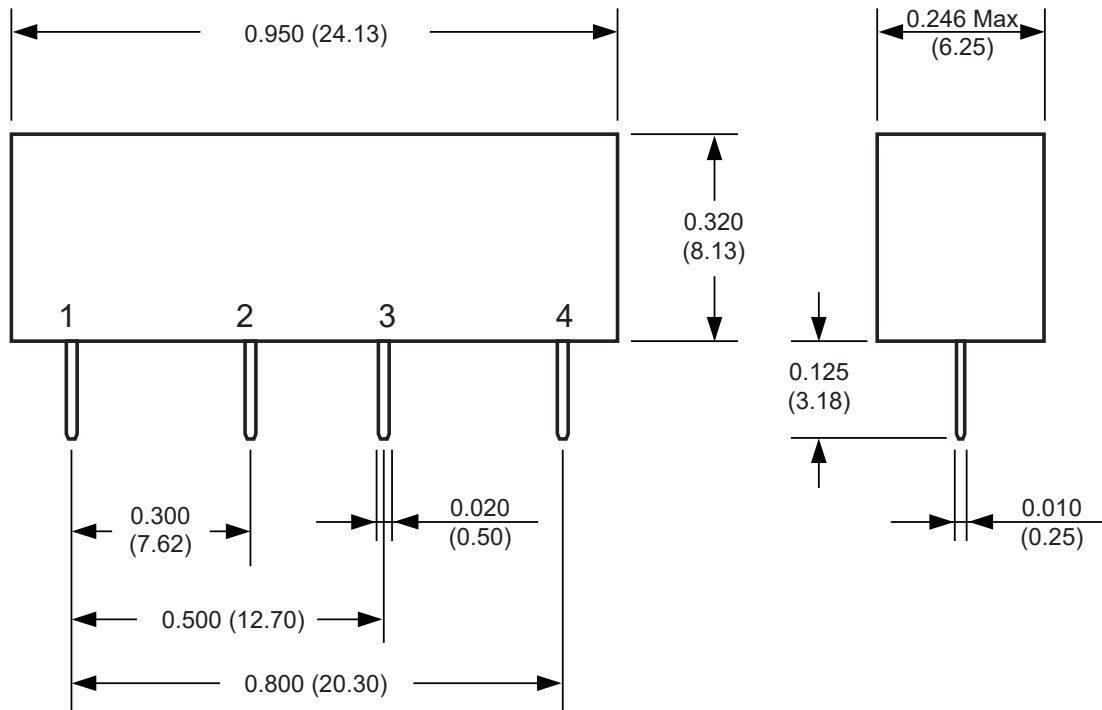
Series	Coil	Options
3570.1504.	05	1 = no diode
	12	
	24	3 = with diode

**Part Number Example:** 3570.1504.xxx  
 3570.1504.051 = 5 volt coil, no diode

## SCHEMATIC



## DIMENSIONS



Drawings not to scale.  
 All dimensions in inches (mm) nominal.

As part of the company policy of continued product improvement, specifications may change without notice. Our sales office will be pleased to help you with the latest information on this product range and the details of our full design and manufacturing service. All products are supplied to our standard conditions of sale unless otherwise agreed in writing.

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Rev: 0 - Date: Aug/4/2021 - Signature: BR

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**Part Number: 3570 1504**  
**Instrumentation Grade SIL - 1 Form A**  
**Product Data Sheet**

## COIL DATA-STANDARD TYPE 1 FORM A (at 20°C)

NOMINAL COIL VOLTAGE (VDC)	NOMINAL COIL RESISTANCE $\pm 10\%$ ( $\Omega$ )	MAX OPERATE VOLTAGE (VDC)	MIN RELEASE VOLTAGE (VDC)	MAX COIL VOLTAGE (VDC)
5	220	3.75	0.5	6.5
12	500	9	1.2	16
24	2000	18	2	32

## CONTACT RATING

Max Switching Power	100 W
Max Switching Voltage (Limited to 1.0 mA switching at 1000 KV)	1000 VDC
Max Switching Current	1.0 A
Max Carry Current	2.25 A

## SPECIFICATION

Contact Resistance (Initial)	MAX 150 m $\Omega$
Operate Time - including bounce (Typical)	1.0 ms (At Nominal Voltage)
Release Time (Typical)	0.5 ms
Insulation Resistance @ 100V, 20°C, 40% RH (MIN)	10 <sup>12</sup> $\Omega$
Dielectric Strength (MIN)	Between Open Contacts 3000 V DC / peak AC Between Coil to Contacts 4000 V DC / peak AC
Capacitance Between Open Contacts (Typical)	0.2 pF
Vibration	20G (10 - 2000 Hz)
Shock	50G
Operating Temperature	-40° +85°C
Storage Temperature	-40° +95°C
Life Expectancy of Electrical	100 x 10 <sup>6</sup> ops (1 VDC, 10mA)

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