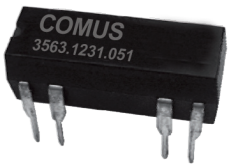
COMUS Relays

Part Number: 3570 3572 3563 Series
General Purpose DIP Reed Relays
Product Data Sheet

PICTURE



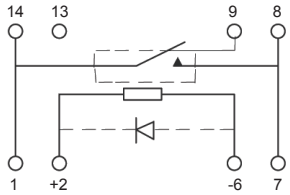
✔RoHS Compliant

FEATURES

- Industry standard, 14 pin DIP packages.
- High speed and low drive power.
- Optional diode and electrostatic shield available.
- 10 W Form A, 5 W Form C
- 5, 12 and 24 volt coils available.
- 1A, 2A and 1C contacts available.
- UL File E358613 c UL us

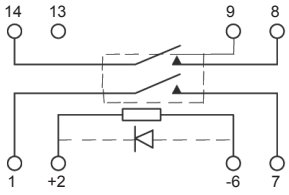
SCHEMATIC

3570.1210



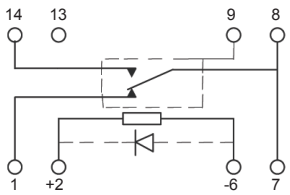
1 FORM A

3572.1220



2 FORM A

3563.1231



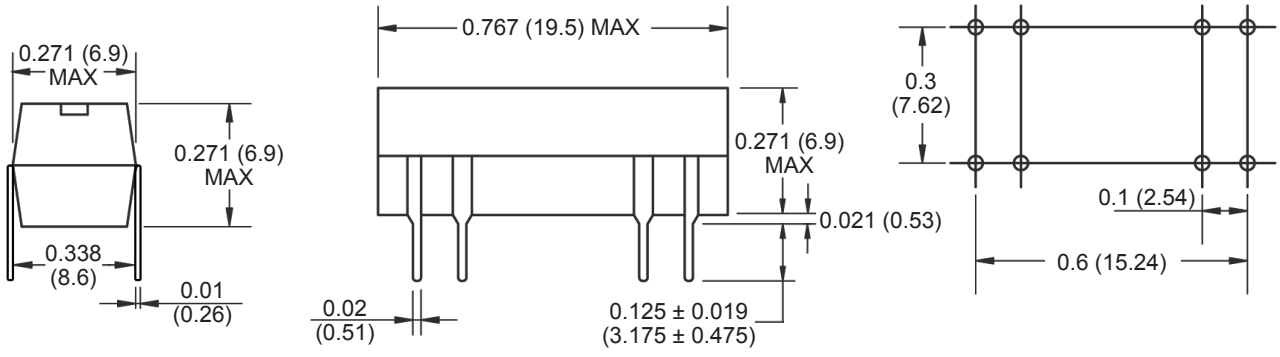
1 FORM C

ORDERING INFORMATION

Series	Coil	Options
3570.1210. (1 Form A) 3572.1220. (2 Form A) 3563.1231. (1 Form C)	05 12 24	1 = without diode 2 = electrostatic shield (pin 9) 3 = with diode (pin 2 + pin 6 -) 4 = electrostatic shield + diode

Part Number Example: 3570.1210.xxx 3570.1210.053 = 1 form A, 5 Volt Coil with diode

DIMENSIONS



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

Phone: (1) 973 777 6900 **www.comus-intl.com** **Fax: (1) 973 777 8405**

Belgium: + 32 (0)12 390400 - Comus Europe Ltd (Assemtech) UK: +44 (0) 1255 862236 - Germany: +49 (0)911 923 15 943 - Netherlands: +31(0)45 54 39 345 - India: +(91) (44) 43219090

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General Purpose DIP Reed Relays
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COIL DATA-STANDARD TYPE 1 FORM A (at 20˚C)				3570.1210
NOMINAL COIL VOLTAGE (VDC)	NOMINAL COIL RESISTANCE ±10% (Ω)	MAX OPERATE VOLTAGE (VDC)	MIN RELEASE VOLTAGE (VDC)	MAX COIL VOLTAGE (VDC)
5	500	3.75	0.6	7
12	1000	9	1	16
24	2150	18	2	32

COIL DATA-STANDARD TYPE 2 FORM A (at 20˚C)				3572.1220
NOMINAL COIL VOLTAGE (VDC)	NOMINAL COIL RESISTANCE ±10% (Ω)	MAX OPERATE VOLTAGE (VDC)	MIN RELEASE VOLTAGE (VDC)	MAX COIL VOLTAGE (VDC)
5	140	3.75	0.6	7
12	500	9	1	16
24	2150	18	2	32

COIL DATA-STANDARD TYPE 1 FORM C (at 20˚C)				3563.1231
NOMINAL COIL VOLTAGE (VDC)	NOMINAL COIL RESISTANCE ±10% (Ω)	MAX OPERATE VOLTAGE (VDC)	MIN RELEASE VOLTAGE (VDC)	MAX COIL VOLTAGE (VDC)
5	200	3.75	0.6	7
12	500	9	1	16
24	2150	18	2	32

CONTACT RATING		
Contact Form	1 / 2 Form A	1 Form C
Max Switching Power	10 W	5 W
Max Switching Voltage	150 VDC	100 VDC
Max Switching Current	0.5 A	0.4 A
Max Carry Current	1 A	0.5 A

SPECIFICATION		
Contact Resistance (Initial)	Max 150 mΩ	Max 200 mΩ
Operate Time - including bounce (Typical)	0.5 ms	1 ms
Release Time (Typical)	0.5 ms	1.5 ms
Insulation Resistance @ 100V, 20°C, 40% RH (MIN)	10^{10} Ω	10^{9} Ω
Dielectric Strength (MIN)	Between Open Contacts 200 VDC / peak AC Between Coil to Contacts & All Other Pins 1500 VDC / peak AC	
Capacitance Between Open Contacts (Typical)	0.5 pF	1.5 pF
Vibration	20G	20G
Shock Resistance	50G	50G
Operating Temperature	-20° +85°C	-20° +85°C
Storage Temperature	-40° +100°C	-40° +100°C
Life Expectancy at Specified Load (Typical)	250 x10^{6}ops (1 VDC, 10mA)	100 x10^{6}ops (1 VDC, 10mA)

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