

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

PICTURE



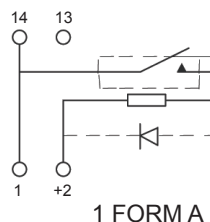
FEATURES

- 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.

✓ RoHS Compliant

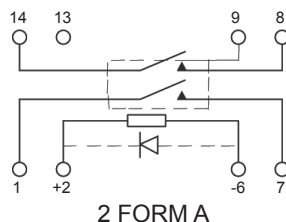
SCHEMATIC

3570.1210



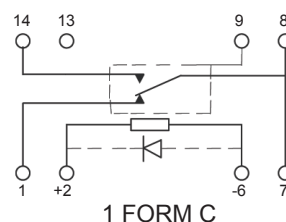
1 FORM A

3572.1220



2 FORM A

3563.1231



1 FORM C

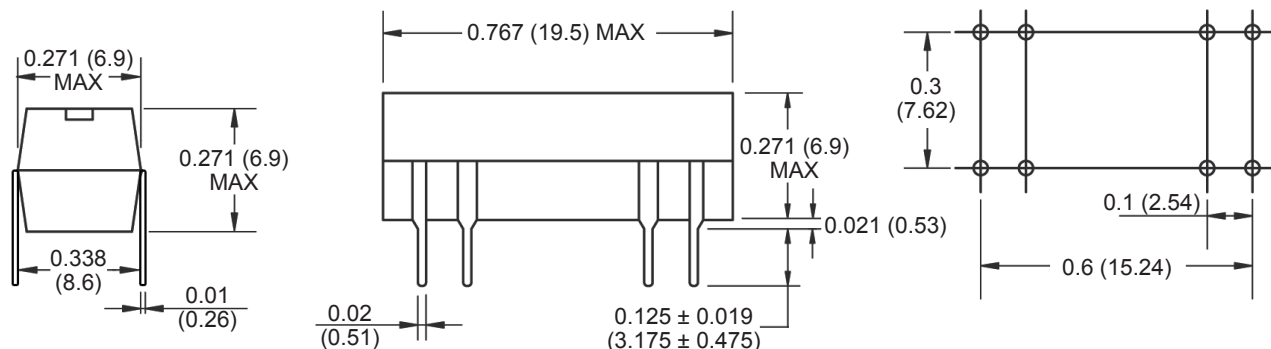
ORDERING INFORMATION

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

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.

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
Product Data Sheet

COIL DATA-STANDARD TYPE 1 FORM A (at 20°C)				3570.1210
NOMINAL COIL VOLTAGE (VDC)	NOMINAL COIL RESISTANCE $\pm 10\%$ (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 $\pm 10\%$ (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 $\pm 10\%$ (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 m Ω	Max 200 m Ω
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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