COMUS Relays



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

PICTURE

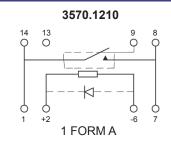
COMUS 3563.1231.051

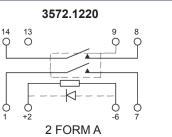
✓ RoHS Compliant

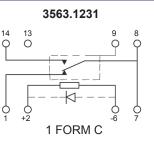
FEATURES

- 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 File E358613

SCHEMATIC







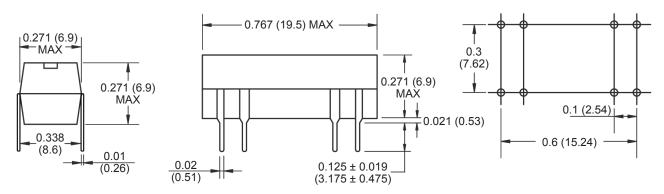
ORDERING INFORMATION

Series	Coil	Options
3570.1210. (1 Form A) 3572.1220. (2 Form A) 3563.1231. (1 Form C)	12	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.

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 ©2015 Copyright Comus International, 454 Allwood Road, Clifton NJ 07012, USA

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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-ST	TYPE 2 FO	RM A (at 20°C)		3572.1220				
NOMINAL COIL VOLTAGE (VDC)	NOMINAL COIL RESISTANCE ±10% (Ω)			E MIN RELEASE		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	Contact Form		1 / 2 Form A		1 Form C				
Max Switching Power			10 W 5		5 W	5 W			
Max Switching Voltage			150 VDC 10		100 VI	100 VDC			
Max Switching Current			0.5 A 0.4		0.4 A).4 A			
Max Carry Current			1 A 0.5 A						
SPECIFICATION									
Contact Resistance (Initial)			Max 150 mΩ N		Max 2	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		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		1.5 pF	.5 pF			
Vibration			20G 20		20G	0G			
Shock Resistance			50G 500		50G	G			
Operating Temperature					-20° +	85°C			
Storage Temperature						40° +100°C			
Life Expectancy at Specified Load (Typical)			250 x10 ⁶ ops (1 VDC, 10mA) 100		100 x1	x10 ⁶ ops (1 VDC, 10mA)			

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