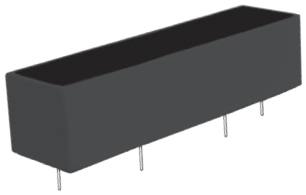
COMUS Relays

Part Number: 3350 Series
High Voltage Reed Relays
Product Data Sheet

PICTURE

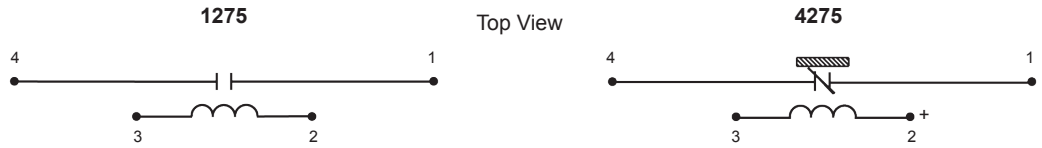


✔RoHS Compliant

FEATURES

- Industry Standard Packages
- Up to 7,500 VDC Switching Voltage
- Up to 10,000 VDC Dielectric Strength
- Up to 200 Watts / 5 Amp Carry Current
- Contact Forms: 1 Form A or 1 Form B
- Custom Designs Welcome

SCHEMATIC

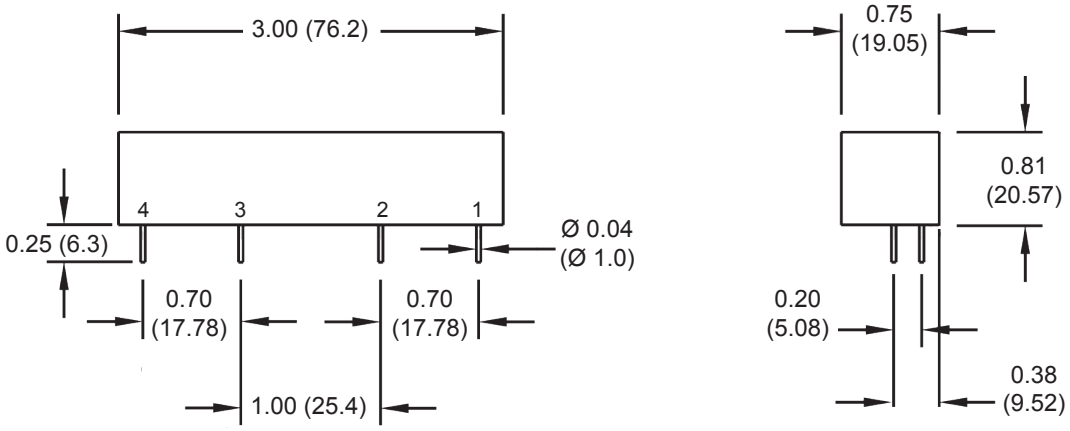


ORDERING INFORMATION

Series	Form	Coil
3350 = 3500 V 3351 = 7500 V	1275 = Normally Open / 1A 4275 = Normally Closed / 1B	05 12 24

Part Number Example: 335x.xxxx.xx6 3350.4275.056 = 3500 Switching Volt,1 form B, 5 Volt Coil

PACKAGE 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**

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Rev: 3 - Date: Mar/26/2019 - Signature: BR

An ISO 9001 Certified Company

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SPECIFICATIONS

Contact Form				Normally Open / 1A			Normally Closed / 1B		
Series				3350	3351		3350	3351	
Model				1275	1275		4275	4275	
CONTACT PARAMETERS									
Switching Voltage	Max		DC/peakAC	3500	7500		3500	7500	
Dielectric Strength	Min		VDC	7500	10000		7500	10000	
Switching Capacity	Max		W	200	50		200	50	
Switching Current	Max		A	3	3		3	3	
Carrying Current	Max		A	5	5		5	5	
Contact Resistance	Max		mΩ	250	100		250	100	
COIL PARAMETERS									
Nominal Coil Voltage			VDC	5	12	24	5	12	24
Pull-In Voltage	Max		VDC	3.75	9	18	3.75	9	18
Drop-Out Voltage	Min		VDC	0.5	1	2	0.5	1	2
Operating Voltage	Max		VDC	6.5	15	30	6.5	15	30
Coil Resistance	±15%		Ω	40	175	575	40	175	575
RELAY PARAMETERS									
Dielectric Strength	coil/contact	Min	VDC	10000			10000		
Insulation Resistance		Min	Ω	1×10^{10}			1×10^{10}		
Operating Temperature			°C	-20 to +85			-20 to +85		
Storage Temperature			°C	-35 to +100			-35 to +100		
Operate Time incl. Bounce Time		Typ	ms	3.0			3.0		
Release Time		Typ	ms	3.0			3.0		
Weight, approx.			g	60			65		

SOLDERING THROUGH-HOLE

The attachment method is typically eutectic soldering. RoHS requires solder with no elemental lead (Pb). SAC alloy (96,5Sn / 3AG / 0,5Cu) is the most popular choice. Reed relays can be soldered by hand or by wave solder processing. Comus International recommends the maximum wave solder temperature (measured at the reed relay leads) as 270°C for 10 seconds. Temperature and time in excess of the recommended levels may result in damage to the reed relay. All of our through-hole reed relays will be compatible with either SAC alloy or eutectic soldering process.

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