

Vacuum and gas-filled relays overview

Relay selection guides

Relays by type

Relay type	Test voltage (kV peak at 60 Hz)	Max. cont. current (amps RMS)	Model no.	Page number
SPST vacuum	4	12	RF41-26SA	39
	4	12	RF42-26SA	39
	6	12	RF44-26SA	40
	9	12	RF43-26SA	40
	8	12	RF5A-26SA	41
	8	12	RF6A-26SA	41
	6	35	RF47-26SA	41
	6	30	RF72-26SA	42
	6	30	RF72-N1105A	42
	6	30	RF72-N1107A	42
	6	30	RF80-26SA	42
	6	10	RF88-26SA	42
	12	12	RF50-26SA	43
	12	12	RF51-26SA	43
	12	30	RF73-26SA	43
	15	15	RF52-26SA	43
	15	12	RF53-26SA	43
16	15	RF69-26SA	44	
30	110	RJ8A-26SA	44	
SPDT vacuum	4	8	RF1E-26SA	45
	4	12	RF60-26SA	45
	4	10	RF61-26SA	45
	5	18	RJ1A-26SA	46
	5	3	RJ1H-26SA	46
	6	18	RJ1C-26SA	46
	6	18	RJ1D-15SA	46
	9	10	RF62-26SA	47
	9	10	RF63-26SA	47
	15	50	RJ2B-26SA	48
	15	30	RJ6B-26SA	48
	15	30	RJ6B-26D3136A	48
	18	30	RJ4C-26SA	49
	20	75	RF10B-26SA	49
30	10	RJ5B-26SA	50	
SPDT gas	50	10	RGH5-26SA	50

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Relay selection guides

Relays alpha listing by model number

Model no.	Page number	Model no.	Page number
RF10B-26SA	49	RF72-26SA	42
RF1E-26SA	45	RF72-N1105A	42
RF41-26SA	39	RF72-N1107A	42
RF42-26SA	39	RF73-26SA	43
RF43-26SA	40	RF80-26SA	42
RF44-26SA	40	RF88-26SA	42
RF47-26SA	41	RGH5-26SA	50
RF50-26SA	43	RJ1A-26SA	46
RF51-26SA	43	RJ1C-26SA	46
RF52-26SA	43	RJ1D-15SA	46
RF53-26SA	43	RJ1H-26SA	46
RF5A-26SA	41	RJ2B-26SA	48
RF60-26SA	45	RJ4C-26SA	49
RF61-26SA	45	RJ5B-26SA	50
RF62-26SA	47	RJ6B-26D3136A	49
RF63-26SA	47	RJ6B-26SA	49
RF69-26SA	44	RJ8A-26SA	44
RF6A-26SA	41		



Vacuum and gas-filled relays overview

Introduction

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01 Figure 1

Jennings high-voltage vacuum relays

Jennings vacuum relays are widely used in airborne, mobile and marine communications equipment. Typical applications include antenna coupling, tap changing on radio frequency (RF) coils, transmit/receive switching to an antenna, switching in pulse-forming networks and heavy-duty power supplies. Our relays are noted for fast operating speeds and the ability to withstand high voltages and carry heavy currents (at frequencies up to 75 MHz), while maintaining low and stable contact resistance.

Vacuum relays are available in SPST normally open (N/O) and normally closed (N/C) models, as well as SPDT configurations. Latching relays are available in some models.

Vacuum as a dielectric

Vacuum is the ideal dielectric for high voltage relay switching. It has extremely high voltage breakdown characteristics, a fast recovery rate (up to 10 kV per millisecond) and it provides an absolutely inert and non-reactive environment for switching contacts. Since there is no oxygen in a vacuum, contacts remain oxidation free. The high dielectric strength of the vacuum permits close contact spacing, on the order of 1000 V per mil. The small movement required to operate a vacuum relay permits the use of small, low mass actuators, allowing high operating speeds. Use of refractory metal contacts provides exceptional interrupting ability and ensures long contact life.

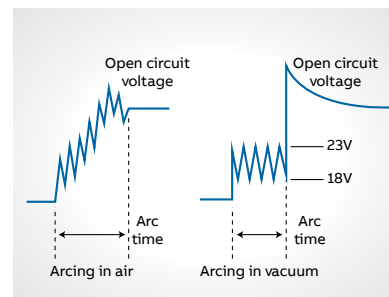
If a load is switched, an arc will form. At the point where the contacts are getting very close and the current density is getting higher and higher, a breakdown occurs. This arc will have a very low voltage of 18–23 V and be quite stable in comparison to an arc in air, which is another advantage of vacuum (Figure 1). The vacuum relay constant arc voltage acts as a current limiter and, when considered in combination with the inherent short arc time, offers a technology that generally wears less than other types of relays, providing stable performance over the life of the relay.

Pressurized gas as a dielectric (at Jennings, a mixture containing primarily SF-6)

Pure high-pressure gas enables relays to attain high dielectric strength and avoid oxidation. This dielectric is ideal for the high in-rush capacitive make and capacitive discharge loads. Typical applications include electrostatic discharge (ESD) test equipment, cable test equipment and heart defibrillators. Gas-filled relays also provide low, stable leakage current in applications sensitive to current fluctuations, especially across open contact sets over long periods of time.

Gas-filled relays, however, should not be used when it is necessary to break a current. As the contacts open, the gas is ionizing and an arc is formed and sustained for much longer than in vacuum.

The contact resistance of Jennings' gas-filled relays is typically measured at 28 V and will be higher and not as stable as in a vacuum relay.



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Vacuum and gas-filled relays overview

Typical applications

RF applications

Jennings vacuum relays play a vital role when high power and low RF losses are required.

- Vapor deposition for semiconductor wafer processing
- Transmitter/receiver switches
- Pulse forming networks
- Ion implant
- MRI power supplies
- Radar systems
- Security screening systems
- TWT power supplies
- Radio antenna tuning matching circuits

Test equipment and instrumentation

Jennings gas-filled relays are well suited for high in-rush and stable leakage current applications, and Jennings vacuum relays are the ideal solution for low leakage and high carry current applications.

- ESD pulse forming equipment
- HiPot testing
- Cable testing
- Motor winding testing
- Mega-ohm testing
- High power lasers
- Power supply testing
- Mass spectrometry
- High-voltage power supplies
- Transformer test equipment
- Ballast test equipment

Specialized applications

Jennings vacuum and gas-filled relays are excellent for:

- Airport lighting systems
- Geosciences down-hole data acquisition
- Scientific instrumentation
- Under-sea power distribution
- Sinusoidal heart defibrillators

Custom applications

Because Jennings relays and contactors are sealed to support a vacuum, they can also be filled with special gases for custom applications. They can be re-packaged, tailored or tested to specific requirements.

- Super-low nano amperage leakage
- Screw terminals, long flying leads or special connectors
- Special packaging to replace obsolete relays
- Very low temperature applications
- High-pressure oceanic applications
- Low out-gassing and Hi-Rel testing with traceability and configuration controls for space and satellites

Vacuum and gas-filled relays overview

Basic functionality – How do Jennings relays work?

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01 Figure 2
—
02 Figure 3

Jennings manufactures two common relay types:

1. Clapper type relay (Figure 2)
2. Diaphragm relay (Figure 3)

The drawings below show both types and their main features.

A Jennings vacuum relay consists of two main assemblies: the ceramic “switch” assembly, which contains the HV contacts, and the actuator assembly, which holds the actuation coil.

The two types differ in regard to the mechanical actuation. In the diaphragm relay, the actuator is placed outside of the vacuum envelope, whereas in the clapper type relay, the actuator is located inside the vacuum.

The assembly containing the coil is the driving part of the relay and will be connected to the driver circuit. As voltage is applied to the coil, a magnetic field is built up and an electromagnetic force is created. This force is used to move the mechanism and thus the movable contact inside the vacuum envelope. The contact transfers from the N/C to the N/O position or, in an SPST relay, opens your high voltage circuit.



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Vacuum and gas-filled relays overview

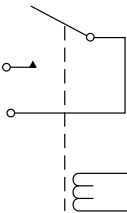
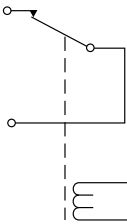
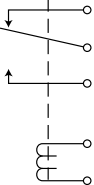
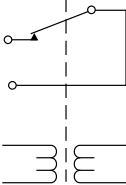
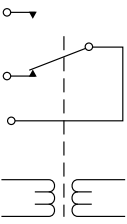
Selection guide



How to use this table

From the diagrams at the top of the table, choose the contact configuration that meets your requirements. Then choose from the list in that column the relay that meets your voltage and current specifications. Please refer to the product information included in this catalog and look for more detailed information on the selected relay.

Use this table for all continuous current carry applications. For all power switching applications, please contact customer service.

Form A	Form B	Form C	Latching	Latching
SPST-N/O	SPST-N/C	SPDT	SPST	SPDT
				
RF42-26SA RF6A-26SA RF80-26SA RF51-26SA RF53-26SA RJ8A-26SA	RF41-26SA RF5A-26SA RF88-26SA RF50-26SA RF52-26SA RF69-26SA	RF1E-26SA RJ1H-26SA RJ1C-26SA RJ1D-15SA RF61-26SA RJ1A-26SA RF62-26SA RJ2B-26SA RJ6B-26SA RJ6B-26D3136A RJ4C-26SA RF10B-26SA RJ5B-26SA RGH5-26SA	RF44-26SA RF43-26SA RF47-26SA RF72-26SA RF73-26SA	RF60-26SA RF63-26SA

Vacuum relays – SPST

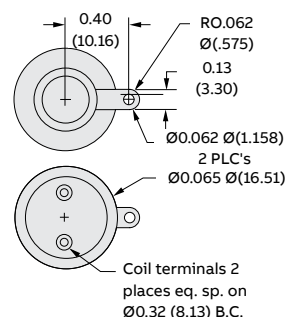
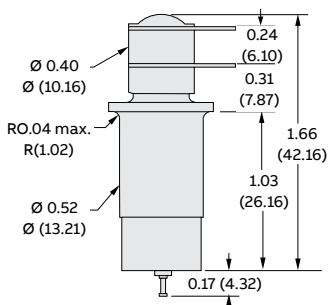
RF41 and RF42 series

Cat. no	Test voltage (kV peak)		Rated operating voltages (kV)			Continuous current carry (A, RMS)			Operate time msec	Release time msec	Contact capacity – open to ground (pF)	Max. contact resistance MΩ	Pull-in voltage at 25 °C V DC	Drop-out voltage at 25 °C V DC	Coil resistance Ω	Shock at 11ms-½ sine G's	Vibration peak G's	Mechanical life (Million)	Weight oz. (g)	
	60 Hz	DC or 60 Hz	2.5 MHz	16 MHz	32 MHz	DC or 60 Hz	2.5 MHz	16 MHz												32 MHz
RF41-26SA	4	3.6	3.6	3.2	2.5	12	10	7.5	5	10	10	1.6	0.2	16	1–10	290	50	10 at 55–2000 Hz	1	1 (28)
RF42-26SA	4	3.6	3.6	3.2	2.5	12	10	7.5	5	10	10	1.6	0.02	8	1–5	48	50	10 at 55–2000 Hz	1	1 (28)

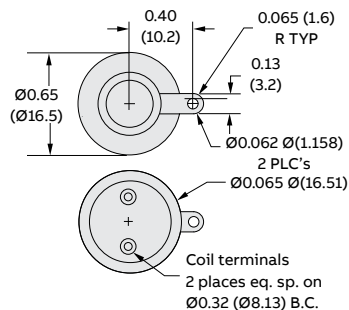
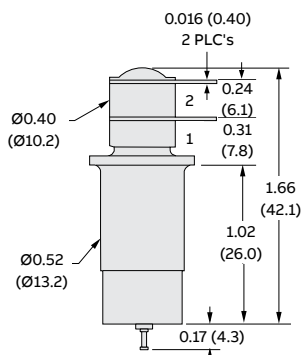
—
01 RF41-26SA
Form: N/C
Flange version available:
RF41D-26SA
—
02 RF42-26SA
Form: N/O



01



02



Dimensions shown are in inches (mm).

Vacuum relays – SPST

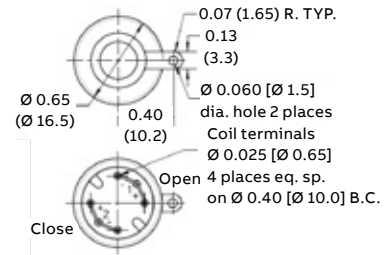
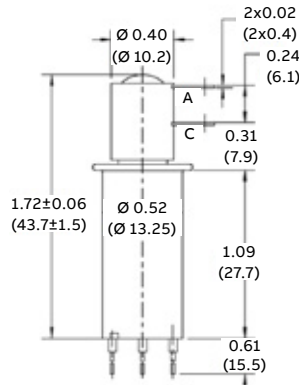
RF43 and RF44 series

Cat. no	Test voltage (kV peak)		Rated operating voltages (kV)			Continuous current carry (A, RMS)				Operate time msec	Release time msec	Contact capacity – open to ground (pF)	Max. contact resistance MΩ	Pull-in voltage at 25 °C V DC	Drop-out voltage at 25 °C V DC	Coil resistance Ω	Shock at 11 ms-½ sine G's	Vibration peak G's	Mechanical life (Million)	Weight oz. (g)
	60 Hz	DC or 60 Hz	2.5 MHz	16 MHz	32 MHz	DC or 60 Hz	2.5 MHz	16 MHz	32 MHz											
RF44-26SA	6	3.6	3.6	3.2	2.5	12	10	6	5	4	4	1.6	0.012	16	16	80	50	30 at 55–1000 Hz	1	1 (28)
RF43-26SA	9	7	7	6	4	12	10	6	5	10	10	1.6	0.02	16	16	47	50	10 at 55–2000 Hz	1	1 (28)

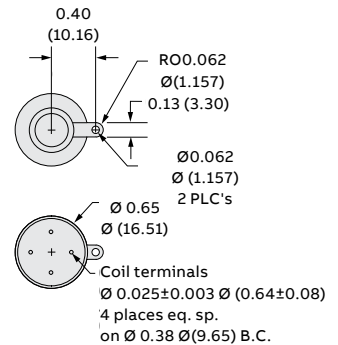
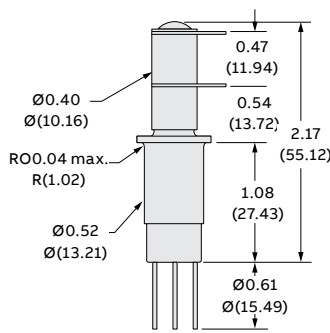
—
01 RF44-26SA
Form: Latching
—
02 RF43-26SA
Form: Latching
Flange version available:
RF43D-26SA



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01



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02



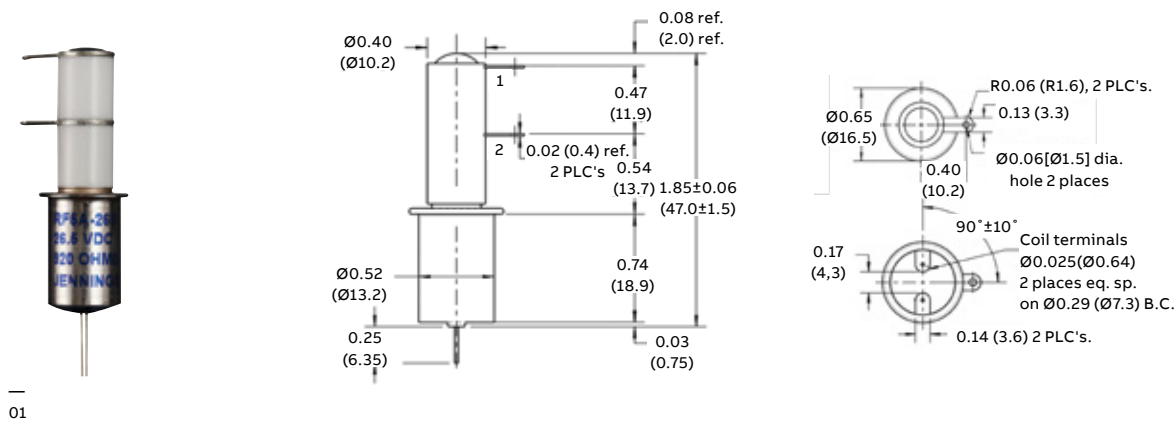
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Vacuum relays – SPST

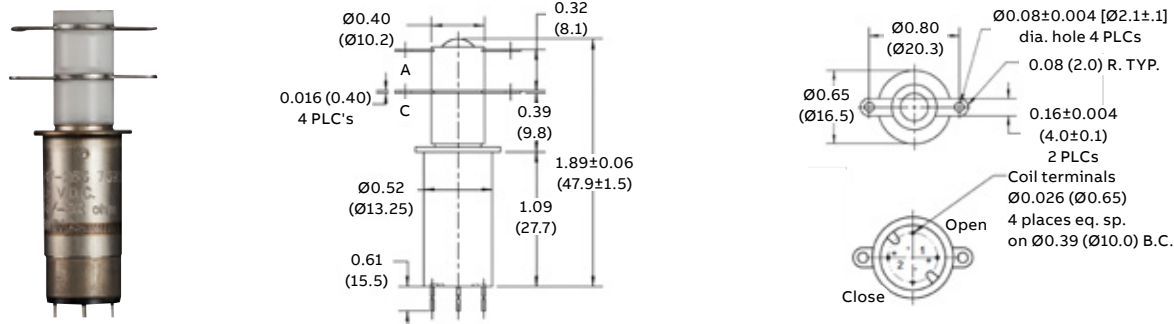
RF5A, RF6A and RF47 series

Cat. no	Test voltage (kV peak)		Rated operating voltages (kV)			Continuous current carry (A, RMS)			Operate time msec	Release time msec	Contact capacity – open to ground (pF)	Max. contact resistance M Ω	Pull-in voltage at 25 °C V DC	Drop-out voltage at 25 °C V DC	Coil resistance Ω	Shock at 11 ms-1/2 sine G's	Vibration peak G's	Mechanical life (Million)	Weight oz. (g)	
	60 Hz	DC or 60 Hz	2.5 MHz	16 MHz	32 MHz	DC or 60 Hz	2.5 MHz	16 MHz												32 MHz
RF5A-26SA	8	7.5	7.5	7	5	12	10	5	5	8	8	1.6	0.02	16	1–10	920	30	10 at 55–2000 Hz	1	1 (28)
RF6A-26SA	8	7.5	7.5	7	5	12	10	5	2	8	8	1.6	0.02	16	1–10	920	30	10 at 55–2000 Hz	1	1 (28)
RF47-26SA	6	6	5	3.6	2.5	35	21	12	9	4	4	1.6	0.01	16	16	80	50	30 at 55–1000 Hz	1	1 (28)

—
01 RF5A-26SA
Form: N/C
RF6A-26SA
Form: N/O
Flange version available:
RF6AD-26SA
—
02 RF47-26SA
Form: latching
Flange version available:
RF47D-26SA



01



02

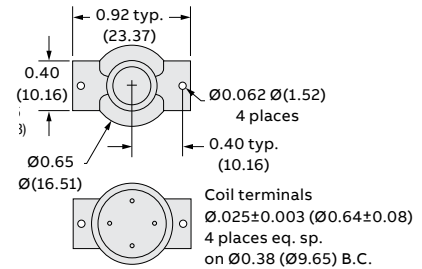
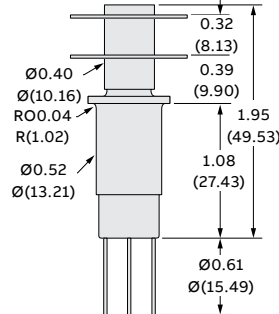
Dimensions shown are in inches (mm).

Vacuum relays – SPST

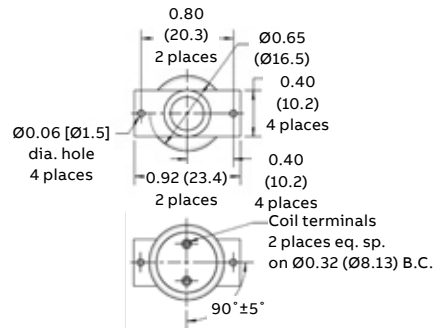
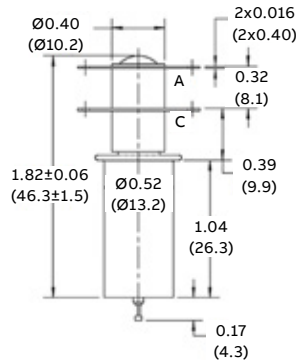
RF72, RF80 and RF88 series

Cat. no	Test voltage (kV peak)		Rated operating voltages (kV)			Continuous current carry (A, RMS)			Operate time msec	Release time msec	Contact capacity – open to ground (pF)	Max. contact resistance MΩ	Pull-in voltage at 25 °C V DC	Drop-out voltage at 25 °C V DC	Coil resistance Ω	Shock at 11 ms-½ sine G's	Vibration peak G's	Mechanical life (Million)	Weight oz. (g)	
	60 Hz	DC or 60 Hz	2.5 MHz	16 MHz	32 MHz	DC or 60 Hz	2.5 MHz	16 MHz												32 MHz
RF72-26SA	6	6	5	3.6	2.5	30	18	11	8	2.5	2.5	1.6	0.02	1–10	16	80	50	30 at 55–1000 Hz	1	1 (28)
RF72-N1105A	6	6	5	3.6	2.5	30	18	11	8	1.5	1.5	1.6	0.008	4–12	6–17	80	50	30 at 55–1000 Hz	1	1 (28)
RF72-N1107A	6	6	5	3.6	2.5	30	18	11	8	2.5	2.5	1.6	0.004	5–16	6–20	80	50	30 at 55–1000 Hz	1	1 (28)
RF80-26SA	6	6	5	3.6	2.5	30	18	11	8	8	3	1.6	0.008	16	1–10	290	30	10 at 55–2000 Hz	1	1 (28)
RF88-26SA	6	6	5	3.6	2.5	10	10	6	5	4	4	1.6	0.02	16	16	80	50	10 at 55–2000 Hz	1	1 (28)

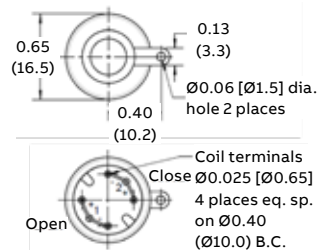
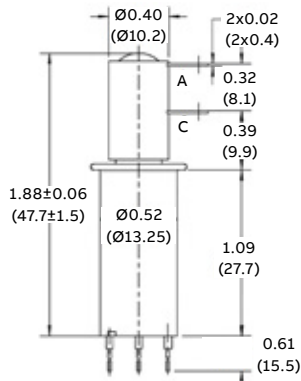
—
01 RF72-26SA, RF72-N1105A and RF72-N1107A
All three models –
Form: Latching
—
02 RF80-26SA
Form: N/O
—
03 RF88-26SA
Form: N/C



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01



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02



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03

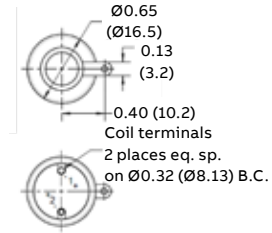
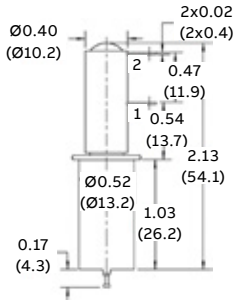
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Vacuum relays – SPST

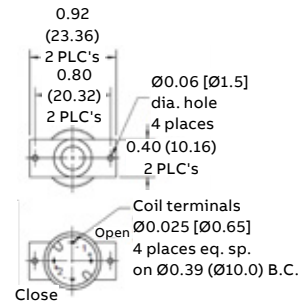
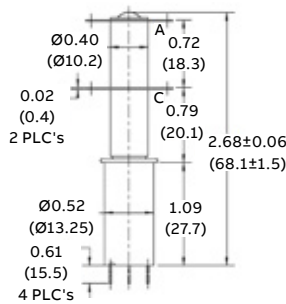
RF50, RF51, RF52, RF53 and RF73 series

Cat. no	Test voltage (kV peak) 60 Hz	Rated operating voltages (kV)			Continuous current carry (A, RMS)			Operate time msec	Release time msec	Contact capacity – open to ground (pF)	Max. contact resistance MΩ	Pull-in voltage at 25 °C V DC	Drop-out voltage at 25 °C V DC	Coil resistance Ω	Shock at 11 ms-½ sine G's	Vibration peak G's	Mechanical life (Million)	Weight oz. (g)		
		DC or 60 Hz	2.5 MHz	16 MHz	32 MHz	DC or 60 Hz	2.5 MHz												16 MHz	32 MHz
RF50-26SA	12	10	7	6	4	12	10	6	5	15	15	1.5	0.02	16	1–10	290	30	10 at 55– 2000 Hz	0.5	1 (28)
RF51-26SA	12	10	7	6	4	12	10	6	5	15	15	1.5	0.02	16	1.5– 10	290	30	10 at 55– 2000 Hz	1	1 (28)
RF73-26SA	12	10	10	9	7	30	18	11	8	4	4	1.2	0.008	8–13	8–13	47	30	10 at 55– 2000 Hz	1	1 (28)
RF52-26SA	15	12	12	9	7	15	12	6	4	15	15	1.5	0.02	16	1–10	290	30	10 at 55– 2000 Hz	1	1 (28)
RF53-26SA	15	12	12	9	7	12	9.5	5	3	15	15	1.5	0.02	16	1–10	290	30	10 at 55– 2000 Hz	1	1 (28)

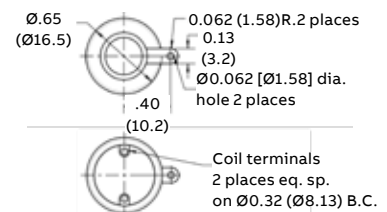
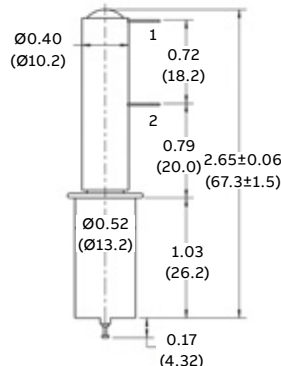
—
01 RF50-26SA
Form: N/C
Flange version available:
RF50D-26SA
RF51-26SA
Form: N/O
Flange version available:
RF51D-26SA



—
02 RF73-26SA
Form: latching
Flange version available:
Yes, please call to order



—
03 RF52-26SA
Form: N/C
Flange version available:
RF52D-26SA
RF53-26SA
Form: N/O



03

Dimensions shown are in inches (mm).

Vacuum relays – SPST

RF69 and RJ8A series

Cat. no	Test voltage (kV peak)					Rated operating voltages (kV)				Continuous current carry (A, RMS)				Operate time msec	Release time msec	Contact capacity – open to ground (pF)	Max. contact resistance MΩ	Pull-in voltage at 25 °C V DC	Drop-out voltage at 25 °C V DC	Coil resistance Ω	Shock at 11 ms-½ sine G's	Vibration peak G's	Mechanical life (Million)	Weight oz. (g)
	60 Hz	DC or 60 Hz	2.5 MHz	16 MHz	32 MHz	DC or 60 Hz	2.5 MHz	16 MHz	32 MHz															
RF69-26SA	16	12	-	-	-	15	-	-	-	15	15	2.5	0.02	16	1-10	290	30	10 at 55-2000 Hz	1	3 (85)				
RJ8A-26SA	30	28	25	12	10	110	60	40	30	18	8	2.5	0.003	16	1-12	120	30	10 at 55-450 Hz	2	12 (340)				

—
01 RF69-26SA
Form: N/C
Equipped with
integral flange

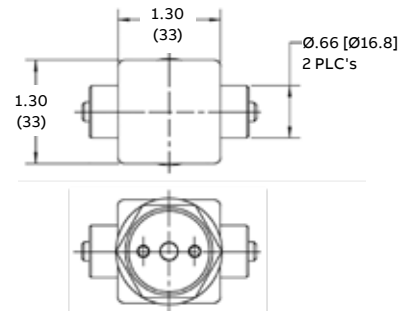
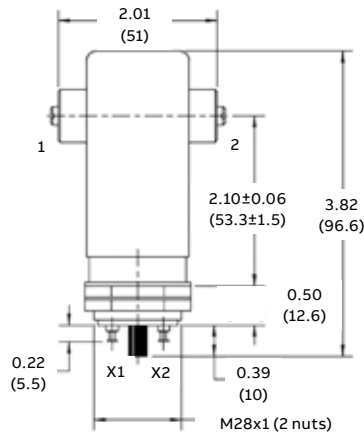
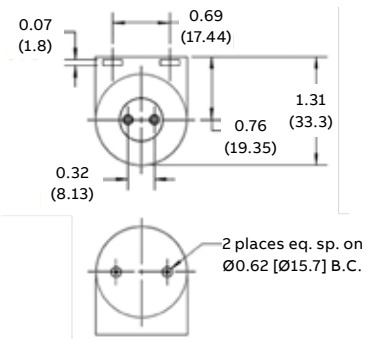
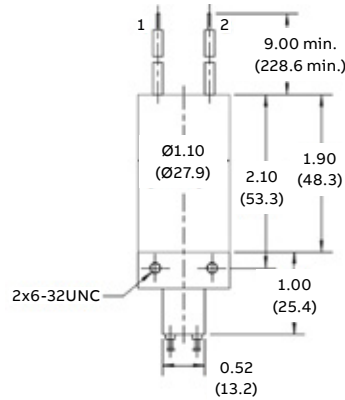


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01

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02 RJ8A-26SA
Form: N/O



—
02



Dimensions shown are in inches (mm).

Vacuum relays – SPDT

RF1E, RF60 and RF61 series

Cat. no	Test voltage (kV peak)		Rated operating voltages (kV)			Continuous current carry (A, RMS)			Operate time msec	Release time msec	Contact capacity – open to ground (pF)	Max. contact resistance MΩ	Pull-in voltage at 25 °C VDC	Drop-out voltage at 25 °C VDC	Coil resistance Ω	Shock at 11 ms-½ sine G's	Vibration peak G's	Mechanical life (Million)	Weight oz. (g)	
	60 Hz	DC or 60 Hz	2.5 MHz	16 MHz	32 MHz	DC or 60 Hz	2.5 MHz	16 MHz												32 MHz
RF1E-26SA	4	2	2	2	2	8	6	4	2	10	10	2	0.03	16	1-10	920	30	10 at 55-2000 Hz	1	1 (28)
RF60-26SA	4	3.6	3.6	3.2	2.5	12	10	6	5	10	10	1.6	0.02	5-13	7-16	47	50	10 at 55-1000 Hz	1	1 (28)
RF61-26SA	4	3.6	3.6	3.2	2.5	10	10	6	5	10	10	1.6	0.02	16	1-10	290	50	10 at 55-2000 Hz	0.5	1 (28)

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01 RF1E-26SA
Form: SPDT
Flange version available: RF1D-26SA

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02 RF60-26SA
Form: latching
Flange version available: RF60D-26SA

—
03 RF61-26SA
Form: SPDT
Flange version available: RF61D-26SA



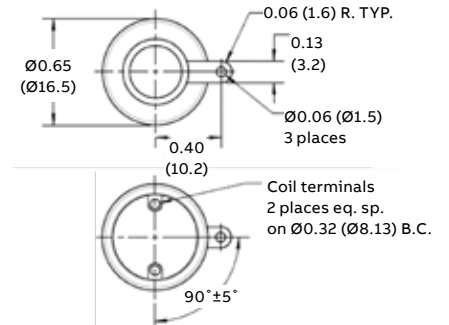
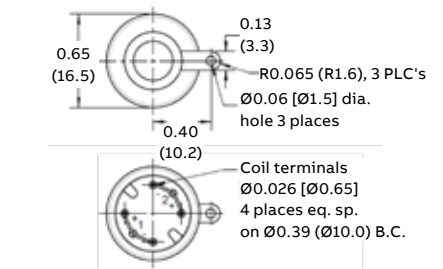
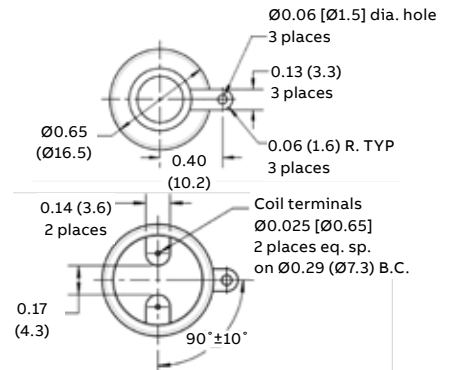
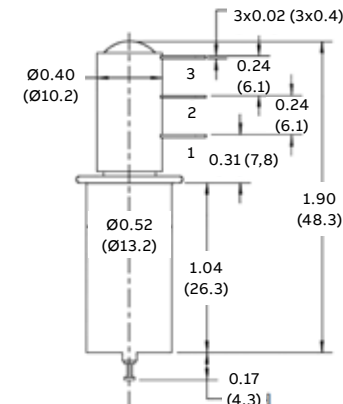
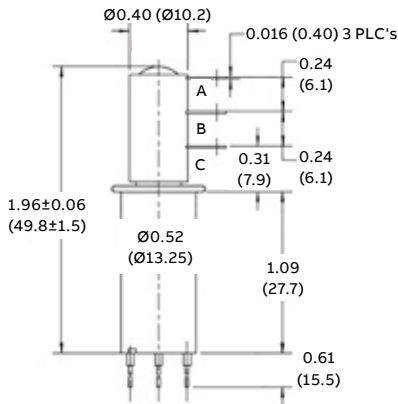
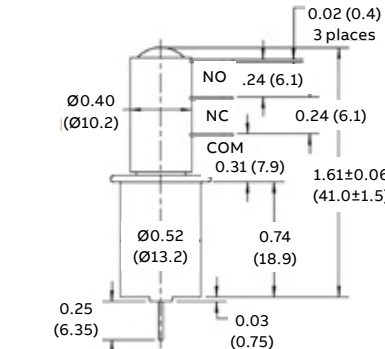
01



02



03



Dimensions shown are in inches (mm).

Vacuum relays – SPDT

RJ1A, RJ1H, RJ1C and RJ1D series

Cat. no	Test voltage (kV peak)		Rated operating voltages (kV)			Continuous current carry (A, RMS)			Operate time msec	Release time msec	Contact capacity – open to ground (pF)	Max. contact resistance MΩ	Pull-in voltage at 25 °C V DC	Drop-out voltage at 25 °C V DC	Coil resistance Ω	Shock at 11 ms-½ sine G's	Vibration peak G's	Mechanical life (Million)	Weight oz. (g)
	60 Hz	DC or 60 Hz	2.5 MHz	16 MHz	32 MHz	DC or 60 Hz	2.5 MHz	16 MHz											
RJ1A-26SA	5	3.5	2.5	2	1.5	18	14	9	7	8	8	2.5	0.01	16	1–10	335	30	10 at 10–2000 Hz	1 1 (28)
RJ1H-26SA	5	2.5	Hot Break	–	–	3	Hot Break	–	–	6	6	2.5	0.03	16	1–10	335	30	10 at 10–2000 Hz	1 1 (28)
RJ1C-26SA	6	6	Hot Break	–	–	18	Hot Break	–	–	6	6	2.5	0.02	16	1–10	335	30	10 at 10–2000 Hz	1 1 (28)
RJ1D-15SA	6	6	Hot Break	–	–	18	Hot Break	–	–	6	6	2.5	0.02	10	0.7–7	80	30	10 at 10–2000 Hz	1 1 (28)

- 01 RJ1A-26SA
Form: SPDT
- 02 RJ1H-26SA
Form: SPDT
- 03 RJ1C-26SA
Form: SPDT
- 04 RJ1D-15SA
Form: SPDT



01



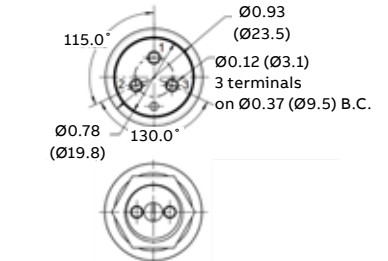
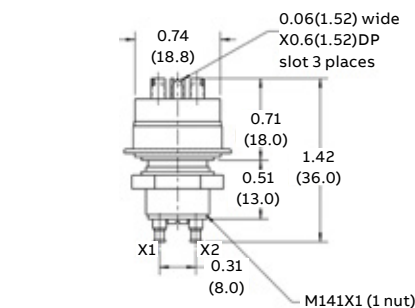
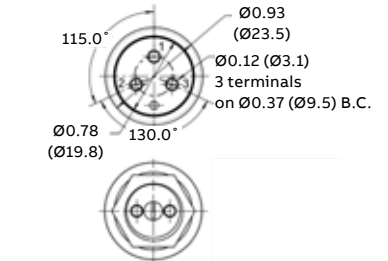
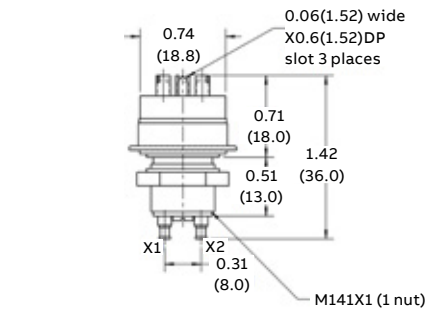
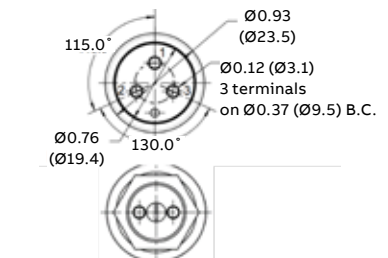
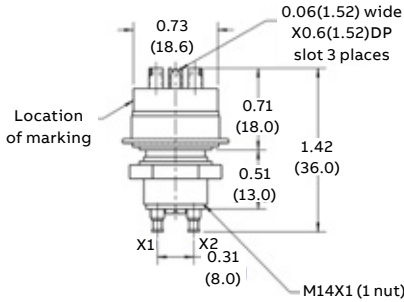
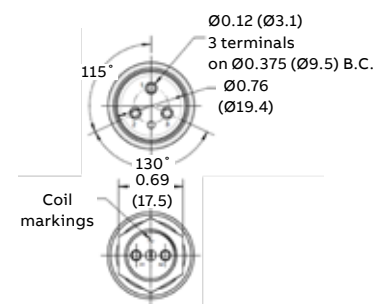
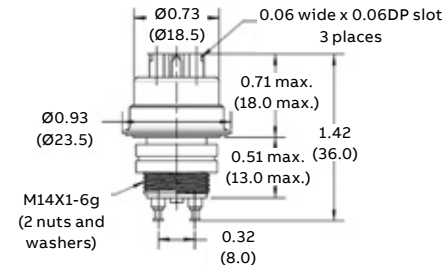
02



03



04



Dimensions shown are in inches (mm).

Vacuum relays – SPDT

RF62 and RF63 series

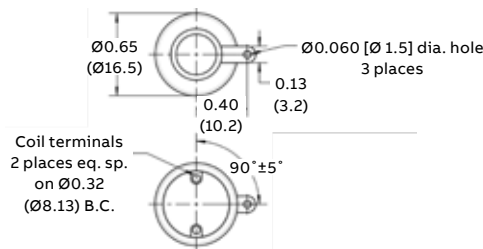
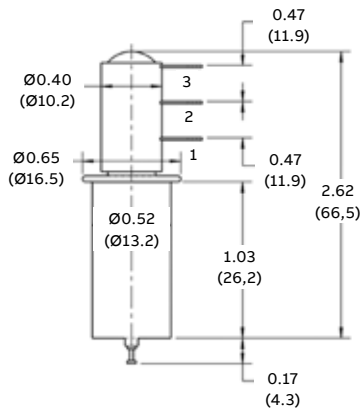
Cat. no	Test voltage (kV peak)		Rated operating voltages (kV)			Continuous current carry (A, RMS)			Operate time msec	Release time msec	Contact capacity – open to ground (pF)	Max. contact resistance MΩ	Pull-in voltage at 25 °C V DC	Drop-out voltage at 25 °C V DC	Coil resistance Ω	Shock at 11 ms-½ sine G's	Vibration peak G's	Mechanical life (Million)	Weight oz. (g)	
	60 Hz	DC or 60 Hz	2.5 MHz	16 MHz	32 MHz	DC or 60 Hz	2.5 MHz	16 MHz												32 MHz
RF62-26SA	9	7	7	6	4	10	10	6	5	10	10	1.6	0.02	16	1-10	290	50	10 at 55-2000 Hz	1	1 (28)
RF63-26SA	9	7	7	6	4	10	10	6	5	10	10	1.6	0.02	16	16	47	50	10 at 55-2000 Hz	1	1 (28)

01 RF62-26SA
Form: SPDT
Flange version available:
RF62D-26SA

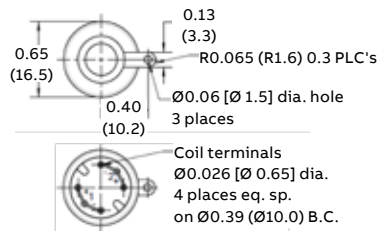
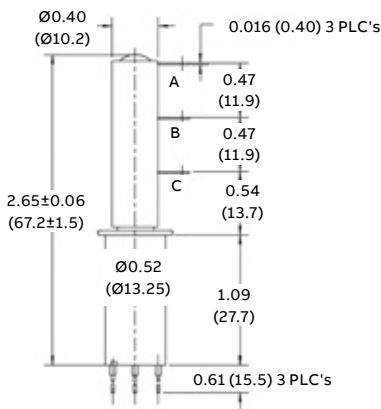
02 RF63-26SA
Form: latching
Flange version available:
RF63D-26SA



01



02



Dimensions shown are in inches (mm).

Vacuum relays – SPDT

RJ2B and RJ6B series

Cat. no	Test voltage (kV peak) 60 Hz	Rated operating voltages (kV)			Continuous current carry (A, RMS)			Operate time msec	Release time msec	Contact capacity – open to ground (pF)	Max. contact resistance MΩ	Pull-in voltage at 25 °C V DC	Drop-out voltage at 25 °C V DC	Coil resistance Ω	Shock at 11 ms-½ sine G's	Vibration peak G's	Mechanical life (Million)	Weight oz. (g)		
		DC or 60 Hz	2.5 MHz	16 MHz	32 MHz	DC or 60 Hz	2.5 MHz												16 MHz	32 MHz
RJ2B-26SA	15	12	10	8	6	50	30	17	10	18	9	1	0.012	16	1-10	270	30	10 at 55- 500 Hz	1	3 (85)
RJ6B-26SA	15	12	10	8	6	30	18	10	6	18	9	1	0.025	16	1-10	270	30	10 at 55- 500 Hz	1	3 (85)
RJ6B- 26D3136A	15	12	10	8	6	30	18	10	6	18	9	1.5	0.025	16	1-10	270	30	10 at 55- 500 Hz	1	3 (85)

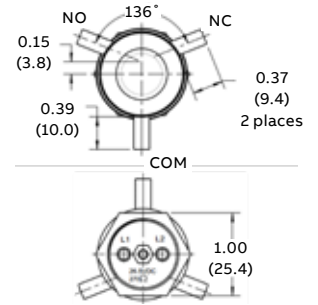
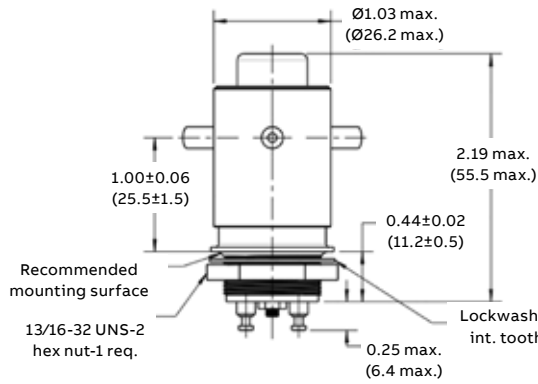
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01 RJ2B-26SA
Form: SPDT
Flange version
available: RJ2C-26SA

RJ6B-26SA
Form: SPDT
Flange version
available: RJ6C-26SA

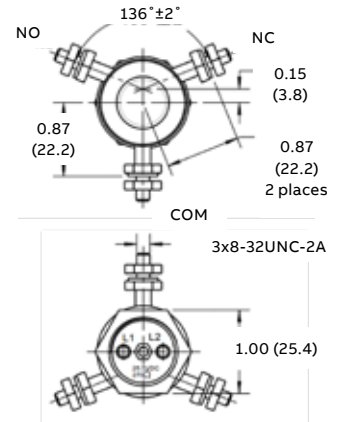
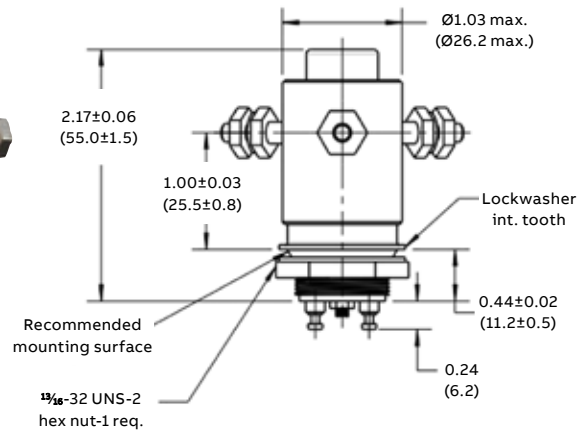
—
02 RJ6B-26D3136A
Form: SPDT
Flange version available:
RJ6C-26D3136A



01



02



Dimensions shown are in inches (mm).

Vacuum relays – SPDT

RJ4C and RF10B series

Cat. no	Test voltage (kV peak)	Rated operating voltages (kV)			Continuous current carry (A, RMS)			Operate time msec	Release time msec	Contact capacity – open to ground (pF)	Max. contact resistance MΩ	Pull-in voltage at 25 °C V DC	Drop-out voltage at 25 °C V DC	Coil resistance Ω	Shock at 11 ms-½ sine G's	Vibration peak G's	Mechanical life (Million)	Weight oz. (g)		
	60 Hz	DC or 60 Hz	2.5 MHz	16 MHz	32 MHz	DC or 60 Hz	2.5 MHz												16 MHz	32 MHz
RJ4C-26SA	18	15	12	10	7	30	18	10	6	18	9	1	0.025	14	1-10	270	30	10 at 55-500 Hz	1	3 (85)
RF10B-26SA	20	15	13	10	8	75	22	15	12	30	10	3.5	0.012	16	1-10	225	30	5 at 55-500 Hz	0.1	1 (28)

—
01 RJ4C-26SA
Form: SPDT
Equipped with
integral flange

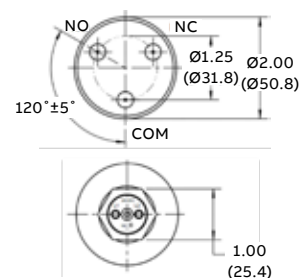
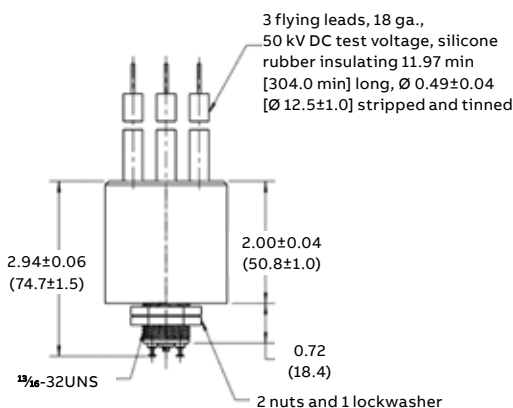
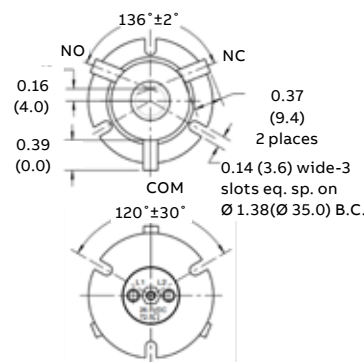
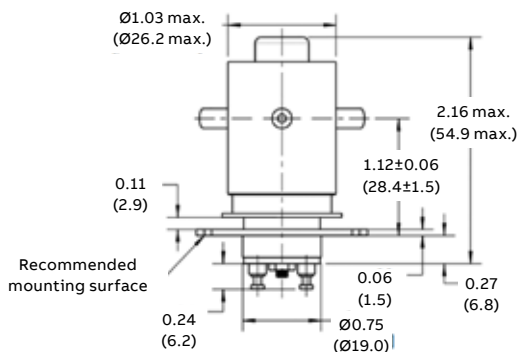


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01

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02 RF10B-26SA
Form: SPDT
Equipped with
integral flange



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02



Dimensions shown are in inches (mm).

Vacuum relays – SPDT and gas-filled relays

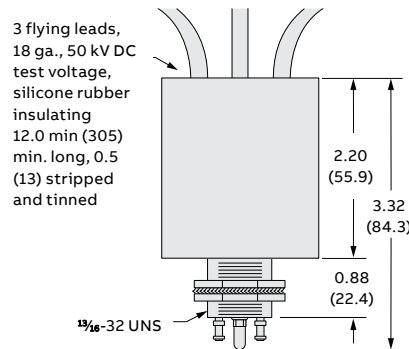
RJ5B (vacuum) and RGH5 (gas-filled) series

Cat. no	Test voltage (kV peak)	Rated operating voltages (kV)			Continuous current carry (A, RMS)			Operate time msec	Release time msec	Contact capacity – open to ground (pF)	Max. contact resistance MΩ	Pull-in voltage at 25 °C V DC	Drop-out voltage at 25 °C V DC	Coil resistance Ω	Shock at 11 ms-½ sine G's	Vibration peak G's	Mechanical life (Million)	Weight oz. (g)		
	60 Hz	DC or 60 Hz	2.5 MHz	16 MHz	32 MHz	DC or 60 Hz	2.5 MHz												16 MHz	32 MHz
RJ5B-26SA	30	25	-	-	-	10	-	-	-	20	15	6	1	18	1-10	167	20	10 at 55-500	1	12 (340)
RGH5-26SA	50	40	-	-	-	10	-	-	-	20	15	6	1	18	1-10	167	20	10 at 55-500	1	12 (340)

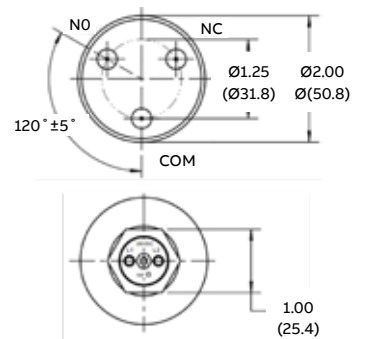
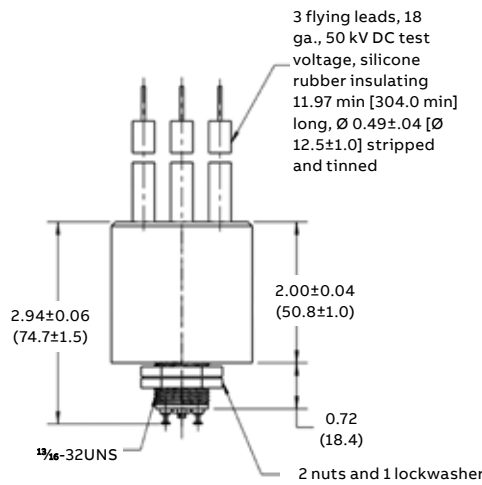
—
01 RJ5B-26SA
Form: SPDT
—
02 RGH5-26SA
Form: SPDT



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01



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02



Dimensions shown are in inches (mm).