

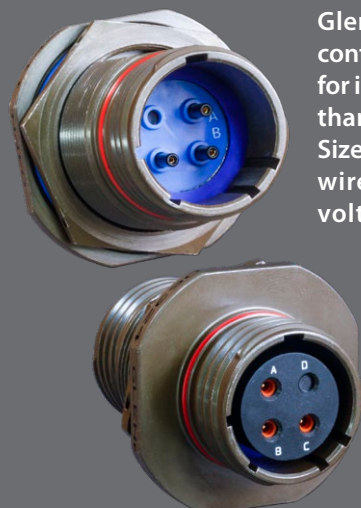
HIGH-VOLTAGE
KV SEAL™
CONTACTS FOR
DC UTILITY
APPLICATIONS



15 kVDC – 33 kVDC high-voltage, low amperage insertable / removable contacts for high-voltage DC circuit applications



Glenair kV Seal™ contact assemblies (contact plus factory-terminated flying lead) are used in applications such as traveling-wave tube RF amplifier devices, directional radar, missile seekers, fire control systems, and other electronic devices that utilize extremely high voltage circuits in their operation—such as to energize the electron gun in a traveling wave tube. High-voltage DC is used for the excitation and activation of certain electronic elements within these systems.



Glenair high-voltage kV Seal contacts are pre-wired contact assemblies (single- or double-ended) designed for immediate, drop-in use in Glenair's signature "better than QPL" SuperNine (D38999 type) connector series. Size #12 kV Seal contacts may be paired with #24 AWG wire for applications requiring 15 kVDC operating voltage. Size #8 kV Seal high-voltage contacts are supplied in five different assembly configurations incorporating size #24, #22, #20, #16, and #12 AWG wire for operating voltages ranging from 12 kVDC to 33 kVDC at 70,000 ft. These insertable / removable high-voltage contact assemblies are made for the complete range of mil-standard 1560 contact arrangements incorporating non-keyed size #12 and/or size #8 contacts.

KV SEAL™ CONTACT PERFORMANCE ADVANTAGES

- Seals interface air gap
- Increased breakdown strength at higher altitudes
- Obstructs interface creep path, increasing breakdown strength against surface tracking
- Easily-integrated universal design
- Scalable for various operating voltages

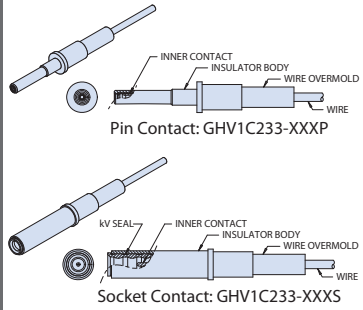


HIGH-VOLTAGE kV Seal Contacts



For high-voltage DC circuit applications
How to order

CONTACT DETAIL



How To Order kV Seal High-Voltage Contact Assemblies					
Sample Part Number	GHV1C233	-12A	PP	-36	T
Series	GHV1C233 = kV Seal High-Voltage Contact Assembly				
Contact Envelope / Wire Gauge	See Table II				
Contact Gender and Assembly Type	P = Pin (AS39029/58 type), with flying lead S = Socket (AS39029/56 type), with flying lead PP = Double-ended Pin assembly SS = Double-Ended Socket assembly PS = Double-ended Pin and Socket assembly				
Total Length	in inches (e.g. -36 = 36 inches)				
Wire Finish	See Table I				

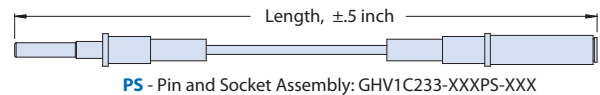
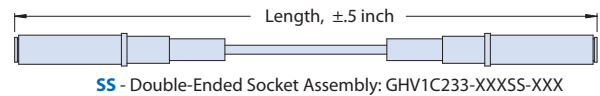
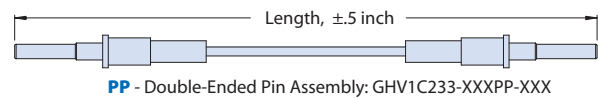
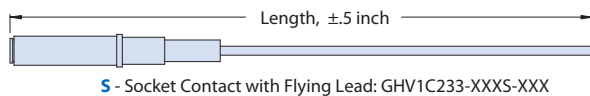
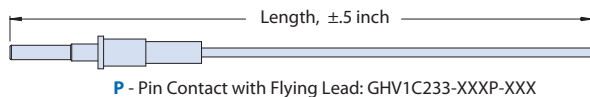
Sym	Finish
E	Epoxy
F	N.A.
S	Silicone
T	Etched

Sym	Contact Envelope		Wire Gauge	Current Rating	Voltage, 70K ft.		MIL-STD-1560 Arrangements
	Pin	Socket			OP*	DWV*	
12A	AS39029/58-365	AS39029/56-353	24	3	15 kVDC	22.5 kVDC	15-21, 17-11, 17-6, 17-6, 21-11, 21-29, 25-19, 25-20, 25-21, 25-24
08A	AS39029/60-367	AS39029/59-366	24	3	33 kVDC	49.5 kVDC	17-2, 19-18, 21-75, 25-07, 25-08, 25-20, 25-46, 25-90 (consult factory for additional options)
08B			22	5	32 kVDC	48 kVDC	
08C			20	7.5	29 kVDC	43.5 kVDC	
08D			16	13	22 kVDC	33 kVDC	
08E			12	23	12 kVDC	18 kVDC	

Voltage ratings are based on qualification performed in Glenair SuperNine® connectors. Operating voltages in standard D38999 or other connectors may vary

*Provided as an estimate only until full qualification is complete. Consult factory for latest information.

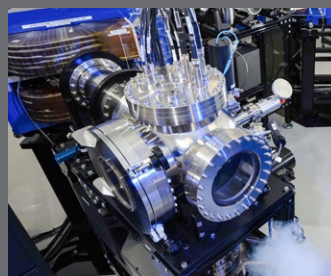
CONTACT GENDER FORMATS AND ASSEMBLY TYPE



kV SEAL CONTACT APPLICATIONS



Directional Radar



Mass Spectrometers



Ring Laser Gyroscopes



Electric Propulsion