

# HIGH-VOLTAGE kV Seal™ Contact Assemblies



## GHV-002 kV Seal Plus Size #12 15 kV contacts for Glenair SuperNine and D38999 Series I, III, and IV

kV SEAL™ CONTACT ASSEMBLIES



### KV SEAL CONTACT FEATURES

- kV Seal Plus with molded-in socket and longer-nose pin for 15 kVDC operation
- Drop-in performance in Glenair Signature SuperNine and MIL-DTL-38999 Series I, III, and IV connectors

### PERFORMANCE SPECIFICATIONS

- IR: 5000 Megohms at 500 VDC
- DWV: 22 kVDC, 10uA max leakage current at sea level / ambient conditions
- Temperature: -55° to +125°
- Add Mod Code **1223\*\*** to part number to include high-altitude DWV testing in final inspection

### MATERIAL / FINISH

- Inner Contact, Pin/Socket - copper alloy / gold over nickel
- Contact Insulator Body - high-grade rigid dielectric
- kV Seal - fluorosilicone blend
- Wire Overmold - silicone blend
- Wire - fluoropolymer primary insulation (standard). Silicone-coated fluoropolymer available.
- Assemblies using option **T** etched wire packaged in UV-resistant bags

HOW TO ORDER						
<b>Sample Part Number</b>	<b>GHV-002</b>	<b>-A</b>	<b>PP</b>	<b>T</b>	<b>0</b>	<b>-36</b>
<b>Series</b>	GHV-002 = kV Seal Plus 15 kVDC High-Voltage Contact Assembly, Size #12					
<b>Contact Envelope / Wire Gauge</b>	A = #24 AWG wire (See Table II)					
<b>Contact Gender and Assembly Type</b>	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					
<b>Wire Finish</b>	S = Silicone-Coated Fluoropolymer T = Continuously-Etched Fluoropolymer					
<b>Wire Color Code</b>	0 = Black (per MIL-STD-681)					
<b>Total Length</b>	in inches (e.g. -36 = 36 inches) 12" minimum needed for testing					

TABLE II - CONTACT ENVELOPE / WIRE GAUGE PERFORMANCE					
Sym	Contact Envelope		Wire Gauge	Current Rating	OP Voltage Through 70K ft.
	Pin	Socket			
<b>A</b>	AS39029/58-365	AS39029/56-353	24	3	15 kVDC

OUTGASSING PROPERTIES – GLENAIR SIZE 12 KV SEAL HV CONTACT						
Material	Manufacturer	TML%	CVCM%	VWR	Data Ref.	
3145 Clear Silicone RTV	Dow Corning	0.15	<0.01	0.09	w/o 59566-6	
CF2-135 Primer	Nusil	4.22	<0.01	2.36	wo 79884	
FEP Wire insulation	Glenair	0.01	0	0	GSF31882	
Duraelectric Wire Coating 961-066-S-26-X	NuSil	0.16	0.06	0.03	GT-14-109	
Duraelectric K 50 duro silicone GPS146-M2-5	Glenair	0.25	0.07	0.08	wo TR73288	

