



Series IPT SE-NG

CLASS 1E

Series IPT SE-NG Bayonet-Lock Connectors

For Westinghouse, CANDU and GE Nuclear MIL-DTL-26482-based installations



Glenair Nuclear-Grade IPT SE Bayonet-Lock Signal Connectors are ideally suited for general and Class 1E harsh environment nuclear applications where reliable mating and quick connection and disconnection of safety zone connectors is required.

The nuclear-grade concept of the VG95328 bayonet mechanism provides fast and easy coupling, especially when the connector is situated in an awkward or hard to reach location.

Supplied crimp contacts are gold-plated copper alloy. Inserts are made from high-insulation synthetic rubber, high-temperature and radiation resistant from -40°C to +125°C.

Intermateability

Nuclear-Grade Series IPT SE connectors are interchangeable and intermateable with the wide range of industry-standard bayonet connectors designed around MIL-DTL-26482 Series I and/or qualified to VG 95328.

Glenair can also accommodate custom changes and modifications to meet compatibility requirements with previously installed legacy connectors.

MAIN TECHNICAL CHARACTERISTICS

- High-performance crimp version with integral contact retention clips
- Two contact sizes: #20 and #16
- 21 signal contact insert arrangements, 3 to 61 contacts
- Rear-insertion/front release snap-in contacts
- Intermateable with other MIL-DTL-26482 Series I connectors
- Environmentally sealed system
- Audible and visual coupling indicators
- Keyed polarization

NUCLEAR-GRADE QUICK-DISCONNECT CONNECTORS Bayonet-Lock (26482 type) Interconnect for Legacy Containment Area (Class 1E) Applications



Series IPT SE-NG

Service Rating			
Class	Operating Voltage AC	Operating Voltage DC	Test Voltage AC
I	600	700	1500
II	1000	1250	2300

Maximum Voltage Drop		
Contact Size	Test Current	Voltage Drop
20	7.5 A	25 mV
16	13.0 A	21 mV

Materials & Finishes	
Shells, Coupling Nuts	316 Stainless Steel, Passivated
Contacts	Copper alloy, Gold Plated
Contact Retainer	Semicrystalline High-temperature engineering thermoplastic
Wave Spring	Stainless Steel
Grounding Finger	Beryllium Copper, Gold Plated

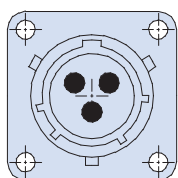
INSERT ARRANGEMENT

Arrangement	Service Rating	Dim. contact size	
		20	16
8 - 2	I	2	
8 - 3A	I	3	
8 - 4	I	4	
8-33	I	3	
10 - 6	I	6	
10 - 7	I	7	
12 - 3	II		3
12 - 10	I	10	
14 - 5	II		5
14 - 12	I	8	4
14 - 15	I	14	1
14 - 19	I	19	
16 - 8	II		8
16 - 23	I	22	1
16 - 26	I	26	
18 - 11	II		11
18 - 32	I	32	
20 - 16	II		16
20 - 39	I	37	2
20 - 41	I	41	
22 - 21	II		21
22 - 55	I	55	
24 - 61	I	61	

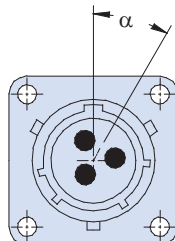
INSERT ROTATION ALTERNATE POSITIONS

Arrangement	Degrees			
	W	X	Y	Z
8 - 2	58	122		
8 - 3A	60			
8 - 4	45			
8-33	90			
10 - 6	90			
10 - 7	90			
12 - 3			180	
12 - 10	60	155	270	295
14 - 5	40	92	184	273
14 - 12	43	90		
14 - 15	17	110	155	234
14 - 19	30	165	315	
16 - 8	54	152	180	331
16 - 23	158			
16 - 26	60		275	338
18 - 11	62	119	241	340
18 - 32	85	138	222	265
20 - 16	238	318	333	347
20 - 39	63	144	252	333
20 - 41	45	126	225	
22 - 21	16	135	175	349
22 - 55	30	142	226	314
24 - 61	90	180	270	324

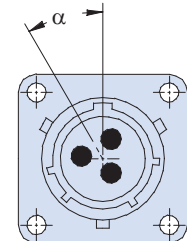
Insert Rotation (front view)



Normal Position



Alternate Position with Pin Contacts

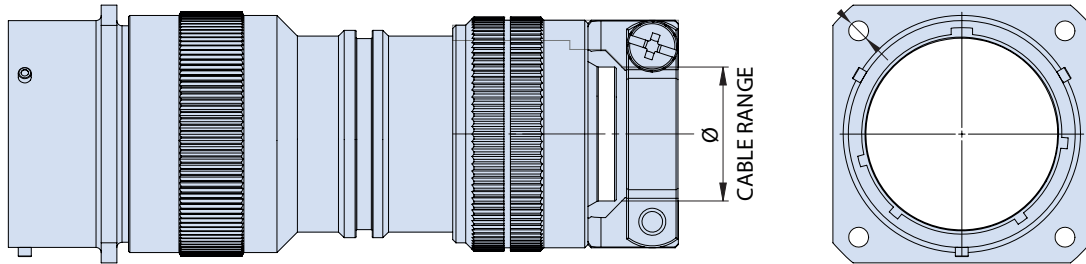


Alternate Position with Socket Contacts

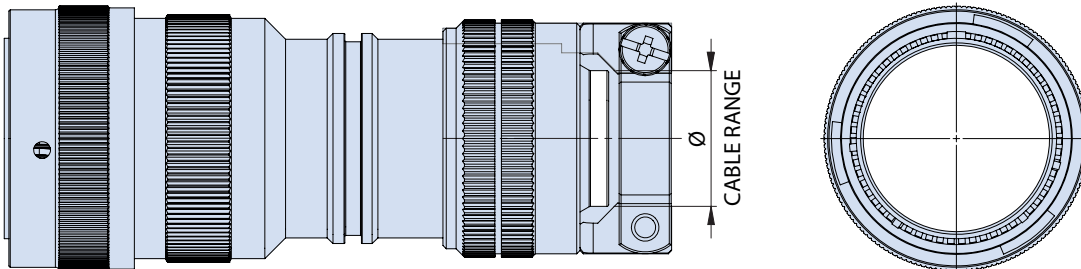


NUCLEAR-GRADE QUICK-DISCONNECT CONNECTORS
Bayonet-Lock (26482 type) Interconnect for
Legacy Containment Area (Class 1E) Applications
Series IPT SE-NG connector configurations

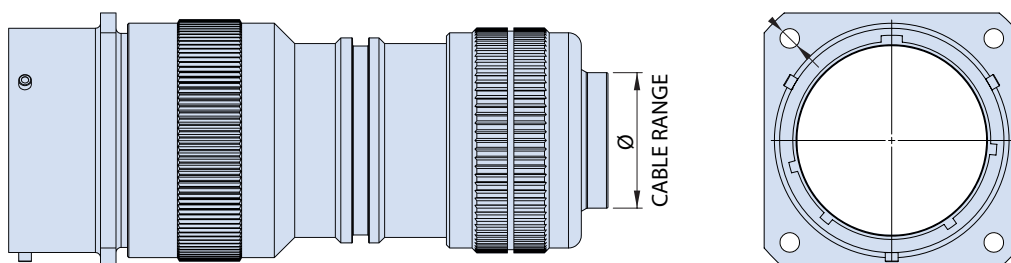
SQUARE-FLANGE RECEPTACLE WITH ENVIRONMENTAL CABLE CLAMP



PLUG WITH ENVIRONMENTAL CABLE CLAMP



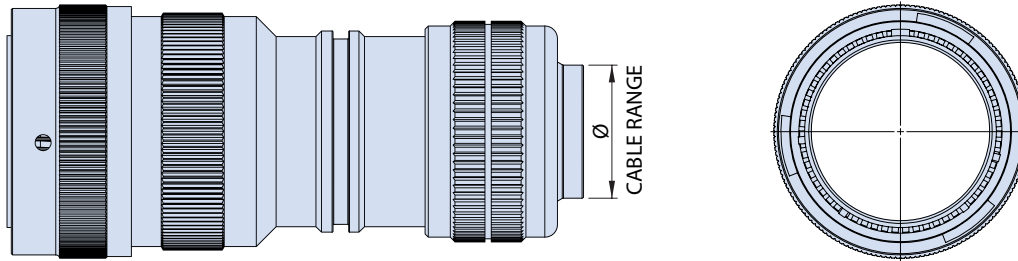
SQUARE-FLANGE RECEPTACLE WITH ENVIRONMENTAL CABLE GLAND



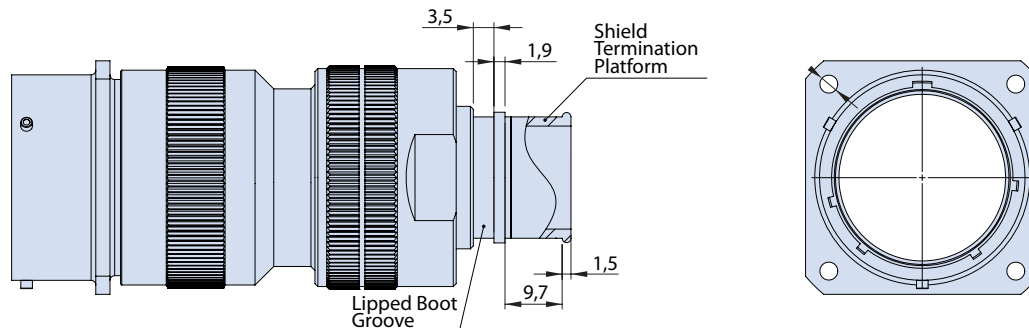
NUCLEAR-GRADE QUICK-DISCONNECT CONNECTORS
Bayonet-Lock (26482 type) Interconnect for Legacy Containment Area (Class 1E) Applications
 Series IPT SE-NG connector configurations



PLUG WITH ENVIRONMENTAL CABLE GLAND



PANEL-MOUNT SQUARE-FLANGE RECEPTACLE WITH ENV SHIELD TERMINATION BACKSHELL



PLUG WITH ENVIRONMENTAL SHIELD TERMINATION BACKSHELL

