

2.5MM SEALED SIGNAL DOUBLE LOCK CONNECTORS

RELIABLE SEALED SOLUTION WITH IP 67 PERFORMANCE

TE Connectivity (TE)'s latest 2.5mm Sealed Signal Double Lock connectors offer secondary locking safety combined with excellent IP67 rated sealing protection. Designed with a space-saving 2.5mm centerline to address the needs of today's smaller designs, our 2.5mm Sealed Signal Double Lock connectors offer robust seals that can help to enable reliable performance in water related or high humidity environments.

These connectors are available in panel mount and free hanging configurations to provide flexible design options for a broad range of applications. Contacts are on a miniature 2.5mm centerline spacing and accept 26-22 AWG wire. Rated up to 3 amps max. per line, our solution includes features that are designed to help ease manual assembly including a snag-resistant latch, polarized terminals, and an optional terminal position assurance (TPA). Cap and plug housings meet Glow Wire Test (750°C, no flame) and UL 94 V-0 requirements to meet global industry safety standards.

ELECTRICAL

- Max Current: 3A
- Rated Voltage: 250V AC

MECHANICAL

- Centerline (mm): 2.5
- Number of Positions: 2-10

MATERIALS

- Operating Temperature (°C): -30 to +105
- Housing Flammability Ratings: UL 94 V-0 and GWT*
- Wire Size: 22-26AWG

ADDITIONAL INFORMATION

- Product Specification: 108-143069
- Application Specification: 114-143067
- Qualification Test Report: 501-161245
- UL Recognized, File: E28476

KEY FEATURES

- IP67 rated protection against water and dust
- Contacts are on a miniature 2.5mm centerline to provide a compact design solution
- 3 amps max. current rating, and 250 VAC voltage rating
- UL94-V0 and Glow Wire Test (750°C, no flame) to meet global industry safety standards
- Snag-resistant latch provides for ease of assembly
- Optional TPAs help to ensure proper assembly
- Polarized lance-less terminals to help prevent incorrect insertion reducing assembly errors

APPLICATIONS

Major Home Appliances

Small Home Appliances

Industrial Refrigerator

Power Tools

Lighting

Personal Health Care

Lawn and Garden

*GWT refers to glow wire testing.
For more information on glow wire testing please review the white paper Glow Wire Testing for the Appliance Industry or visit the Glow Wire Capable Connectors product page

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PART NUMBERS

Cap And Plug

Positions	Cap Part Number		Plug	
	Free Hanging	Panel Mount	Plug Part Number	Interface Seal
2	2443725-2	2443727-2	2443729-2	2321920-2
3	2443725-3	2443727-3	2443729-3	2321920-3
4	2443725-4	2443727-4	2443729-4	2321920-4
5	2443725-5	2443727-5	2443729-5	2321920-5
6	2443725-6	2443727-6	2443729-6	2321920-6
7	2443725-7	-	2443729-7	2321920-7
8	2443725-8	-	2443729-8	2321920-8
9	2443725-9	-	2443729-9	2321920-9
10	1-2443725-0	-	1-2443729-0	1-2321920-0

Contact

Wire Size(AWG)	Tab Terminal	Receptacle Terminal	Applicator
22-26	2443728-1	2321921-1	2836993-1 / 2836993-2

Rear Gang Seal

Positions	Insulation Range (0.9 - 1.3mm) Color: Yellow	Insulation Range (1.3 - 1.6mm) Color: Blue
2	2443732-2	2321922-2
3	2443732-3	2321922-3
4	2443732-4	2321922-4
5	2443732-5	2321922-5
6	2443732-6	2321922-6
7	2443732-7	2321922-7
8	2443732-8	2321922-8
9	2443732-9	2321922-9
10	1-2443732-0	1-2321922-0

Terminal Position Assurance

Positions	TPA
2	2321919-2
3	2321919-3
4	2321919-4
5	2321919-5
6	2321919-6
7	2321919-7
8	2321919-8
9	2321919-9
10	1-2321919-0

TPA is optional and is only for plug.

Connect With Us

We make it easy to connect with our experts and are ready to provide all the support you need.
Visit **te.com/support** to chat with a Product Information Specialist.

te.com/signal-double-lock-connectors

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