



TANNER, INC. — WIRE & CABLE SPECIALISTS
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PUSH-PULL SERIES

S-Series / W-Series Circular Connector

WATERPROOF CONNECTOR SPECIFICATION SHEET



DWG NO.	SERIES	STANDARD	REV	DATE
TAN-PP-001	Push-Pull	Push-pull self-locking, LEMO-style	A	2026-09-05

GENERAL SPECIFICATIONS

Locking System	Safe plug-in, self-locking push-pull
Shielding	360° EMC shielding
Waterproof Grade	IP54 – IP69K (by variant)
Termination	Solder, crimp, or PCB (straight or angled)
Contact Count	2 – 30 contacts (multipole)
Max Current (single-core)	230A
Max Contacts (multi-core)	106 cores
Keying	Multiple key options prevent cross-mating

PIN CONFIGURATIONS

7-Pin

12-Pin

19-Pin

Pin counts available: 2 – 30 contacts, multipole configurations
Coupling: Push-pull self-locking, no rotation required

ELECTRICAL PARAMETERS

Series	Waterproof Grade	Max Current	Notes
S-Series	IP54–IP69K	230A (single-core)	Stepped half-moon insert, polarized
W-Series	IP54–IP69K	Per contact rating	2–30 contacts, G-key standard

ORDERING CODE REFERENCE

TW-PP-12P-G

Tanner, Inc. internal reference number. Contact sales@tannerwire.com for cross-manufacturer equivalents.

TYPICAL APPLICATIONS

Broadcast and pro-audio equipment, medical devices, test & measurement instrumentation, robotics quick-disconnects.

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TAN-PP-001 · Specifications for reference — confirm critical dimensions prior to design-in.