



TANNER, INC. — WIRE & CABLE SPECIALISTS
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M9 SERIES

2–8 Pin Circular Connector

WATERPROOF CONNECTOR SPECIFICATION SHEET



DWG NO. TAN-M9-001	SERIES M9	STANDARD Binder 712-compatible circular	REV A	DATE 2026-09-05
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GENERAL SPECIFICATIONS

Shell Material	Brass / zinc alloy, nickel-plated
Molding Material	PA66
Insulator Material	PA66
Contact Material	Phosphorus copper, gold-plated
Sealing Material	Epoxy resin / rubber
Waterproof Grade	IP65 / IP67
Operating Temp.	-25°C to +85°C
Insulation Resistance	≥100 MΩ
Contact Resistance	≤ typ. 5 mΩ
Wiring Range	3.0 – 5.0 mm

PIN CONFIGURATIONS

3-Pin	5-Pin	8-Pin
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Pin counts available: 2, 3, 4, 5, 6, 7, 8

Coupling: M9 threaded coupling; front mount, back mount, or PCB

ELECTRICAL PARAMETERS

Pins	Rated Voltage	Rated Current	Conductor Size
2 / 3	125V	4A	24 AWG / 0.25 mm ²
4 / 5	125V	3A	24 AWG / 0.25 mm ²
6 / 7 / 8	125V	1A	26 AWG / 0.14 mm ²

ORDERING CODE REFERENCE

TW-M9-04M-OMS

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

TYPICAL APPLICATIONS

Compact sensor and signal connections, encoder feedback, instrumentation panels, automation controllers.