

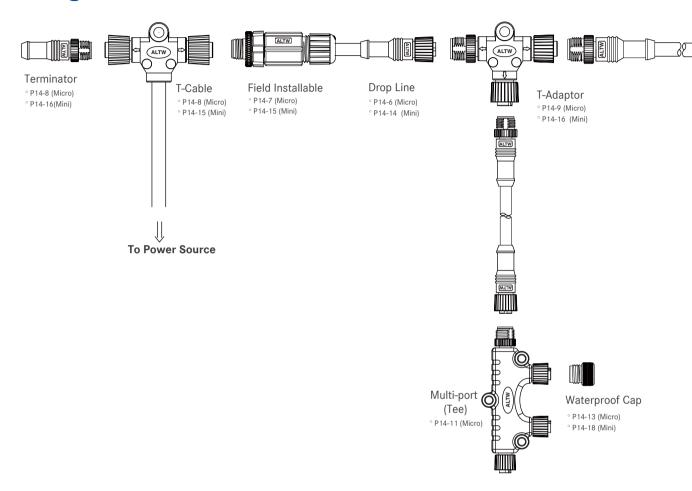
Amphenol LTW Innovation in Waterproof Solution



CATALOGUE

NMEA 2000 Connector

Range Overview

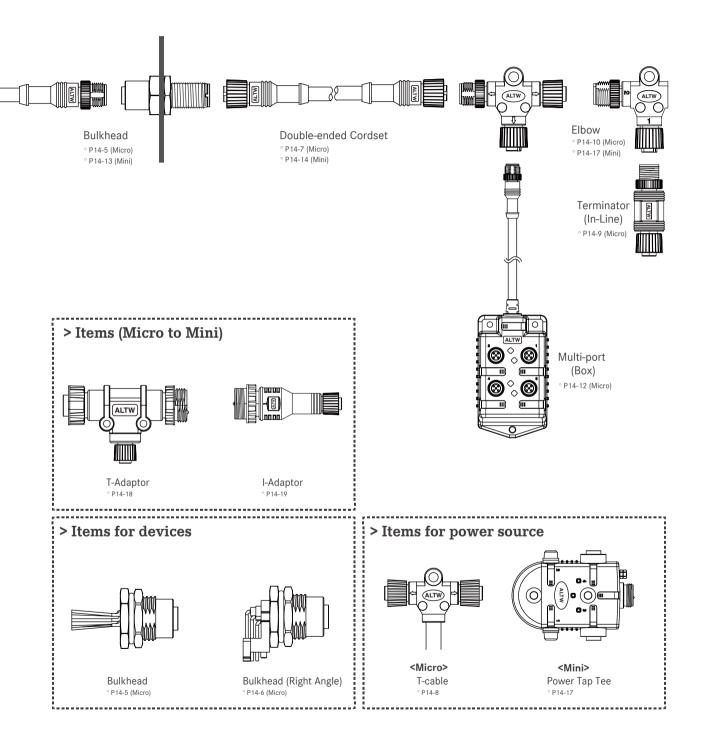


About NMEA 2000

Amphenol LTW Technology expands its coverage targeting the marine industry that features the NMEA 2000 standard.

The NMEA 2000 standard contains the requirements of a serial data communications network to inter-connect marine electronic equipment on vessels. It is multi-master and self-configuring, and there is no central network controller. Equipment designed to this standard will have the ability to

share data, including commands and status with other compatible equipment over a status with other compatible equipment over a single channel.



^{*} Design and specification are subject to change without notice.

Specification

Identifications	Micro(AWG: 22 AWG, 24 AWG) Mini(AWG: 18 AWG, 15 AWG)
Description	Micro: Bulkhead (With Wire / Double-ended / Right Angle) Cable (Drop Line / Double-ended Cordset / Field Installable / T-Cable) Network Terminator (Single-ended / In-line) Adaptor (T-Adaptor / Elbow) Multi-port Waterproof Cap Mini: Bulkhead (Double-ended) Cable (Drop Line / Double-ended Cordset / Field Installable / T-Cable) Network Terminator (Single-ended) Adaptor (T-Adaptor / Elbow) Power Tap Tee Waterproof Cap Mini to Micro: Adaptor (T-Adaptor / I-Adaptor)
Current Rating / Data	4A, 8A
Material	Contacts: Copper Alloy, Gold Plated Contacts Holder: PA
Waterproof Rating	IP67~68
Temperature Range	Receptacle: -40°C~85°C Overmolded with Cable: -20°C~80°C Field Installable: Nylon+GF: -40°C~105°C PU: -20°C~85°C * Higer working temperature upon request.

Contact Configuration

	Micro-C	Mini-C
	4A	8A
	FF or MM	FF or MM
4Pin		
5Pin	$\begin{pmatrix} \Delta & \Delta \\ \Delta & \Delta \\ \Delta & \Delta \end{pmatrix}$	

	△ 4A ○ 8A	
	Number of Contacts:	7
	Ex.2 contacts (02)	
		:
1	Connector (Housing) Gender:	į
	Male(M) or Female(F)	
	Contact Gender:	1
	0011401	
	Male (M) or Female (F)	į



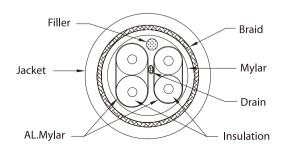
Cabling Information

NMEA Approved

(A): (24#*1P+AL) + (22#*1P+AL) + Drain + Mylar + Braid

(A): (24#*1P+AL) + (22#*1P+AL) + Drain + AL + Braid

(B): (22#*1P+AL) + (18#*1P+AL) + Drain + AL + Braid



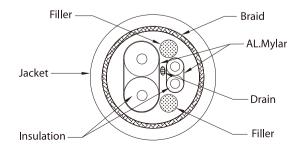
→ Mini

NMEA Approved

(C): (18#*1P+AL) + (15#*1P+AL) + Drain + Braid

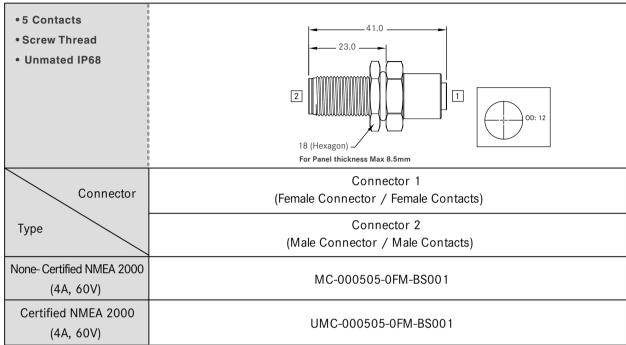
Conforming

(C): (18#*1P+AL) + (16#*1P+AL) + Drain + AL+Braid

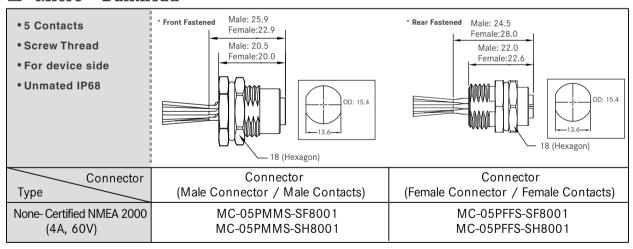


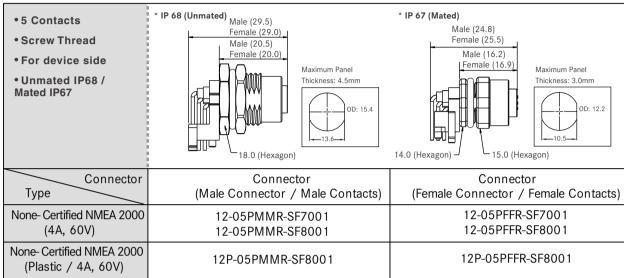
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Find Our Standard Products

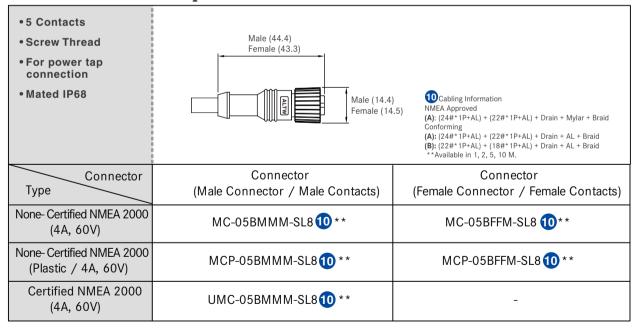


✓ Micro > Bulkhead

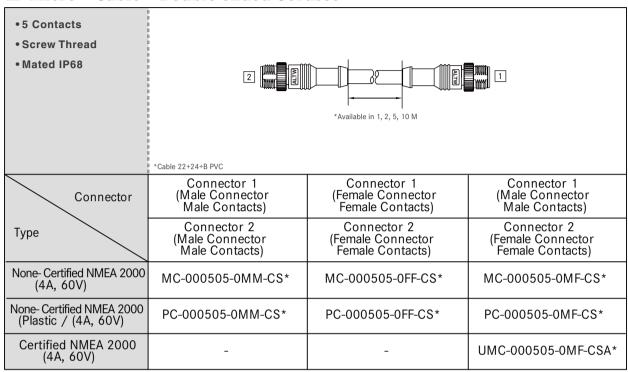


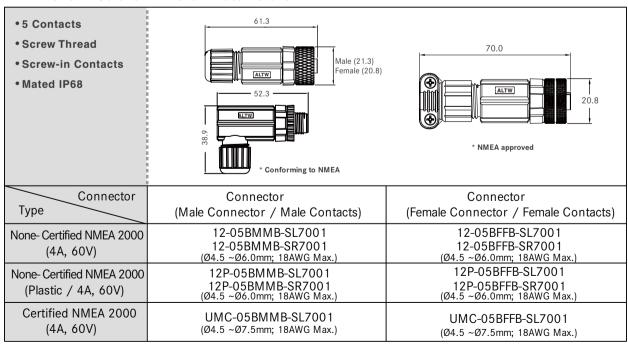


\triangle Micro > Cable > Drop Line

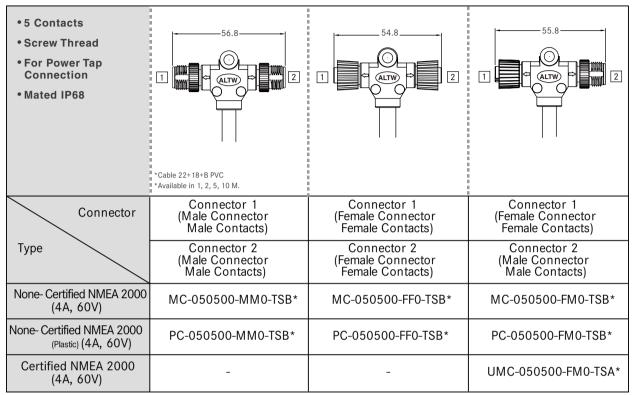


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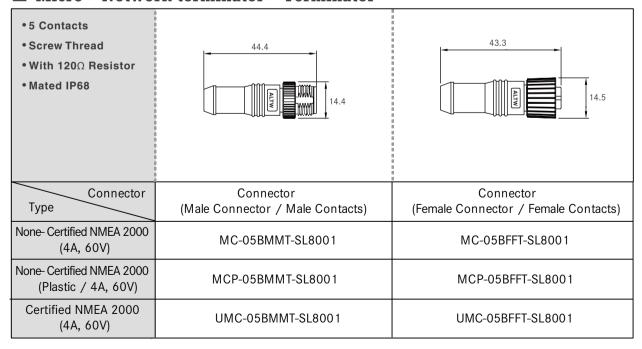




Micro > Cable > T-Cable

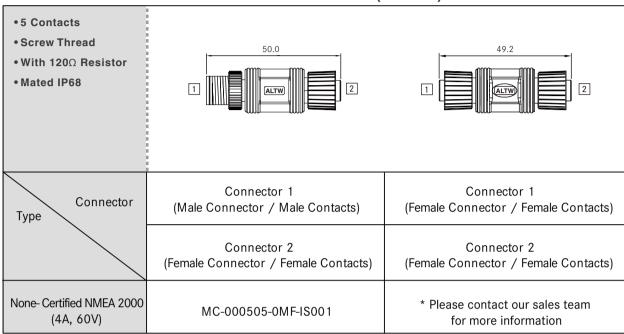


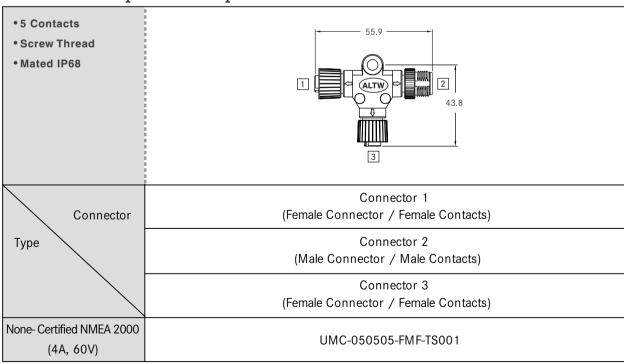
Micro > Network terminator > Terminator

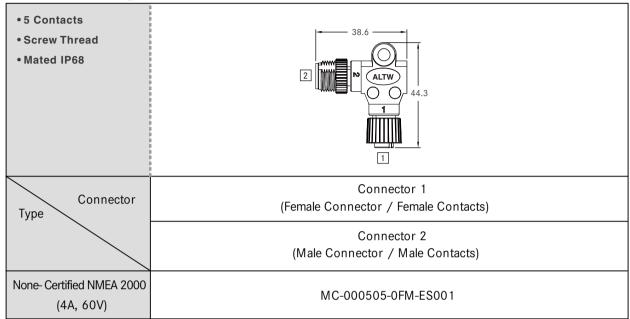


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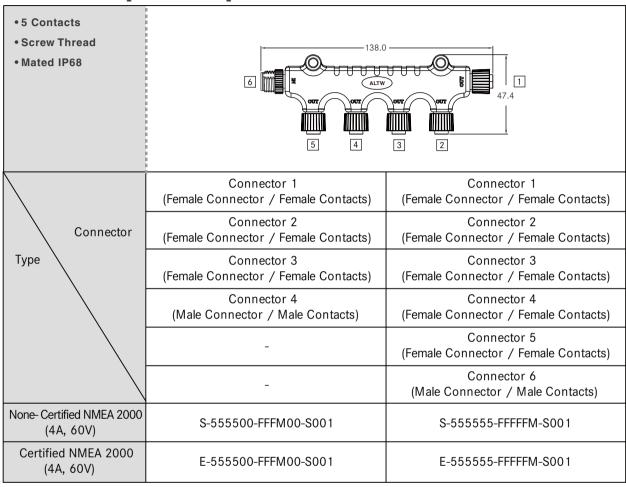
→ Micro > Network Terminator > Terminator (In-Line)

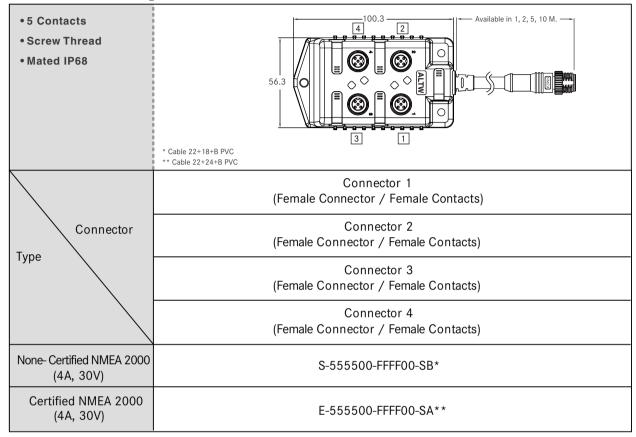




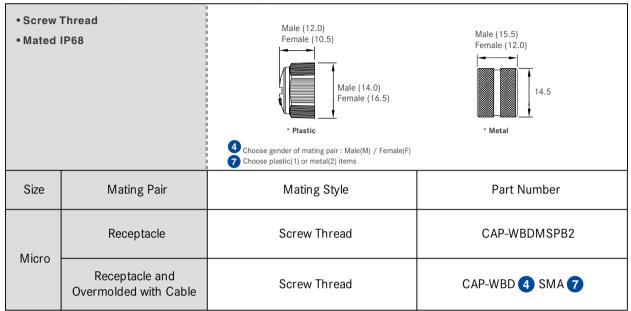


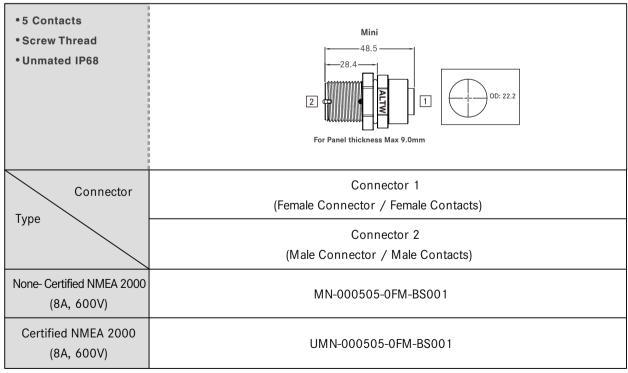
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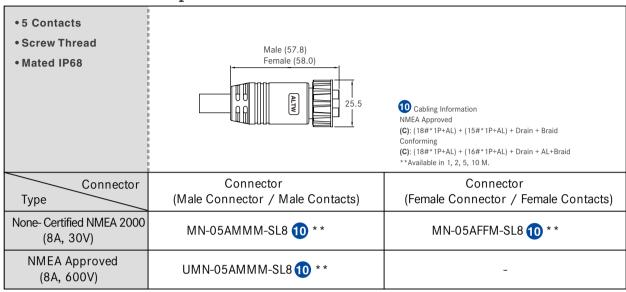


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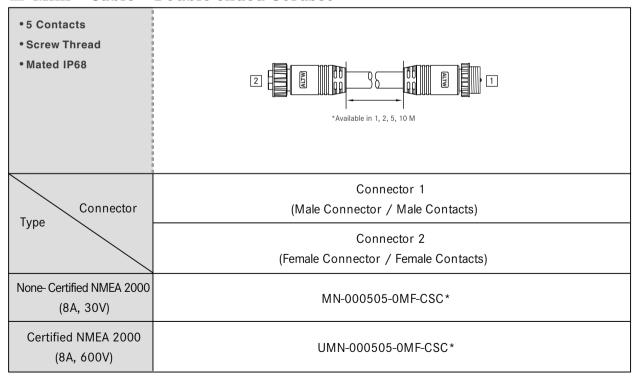




→ Mini > Cable > Drop Line



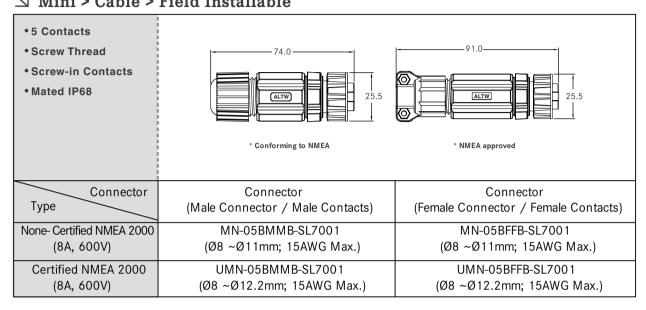
Mini > Cable > Double-ended Cordset



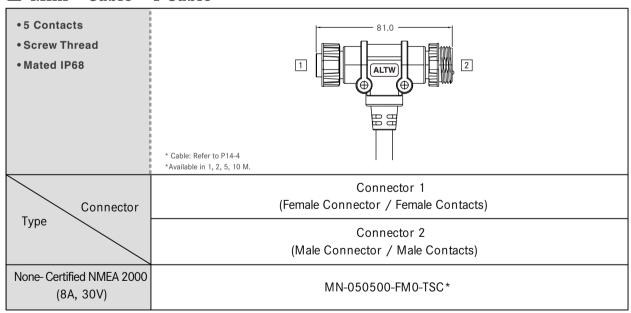
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Mini > Cable > Field Installable

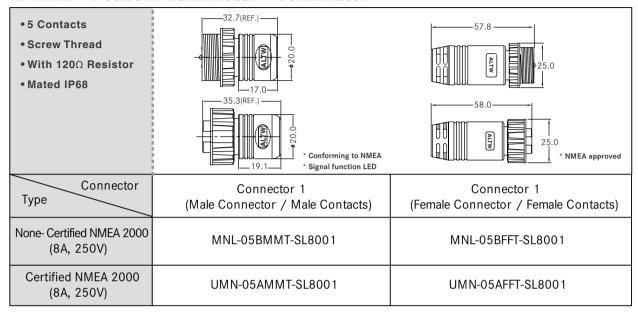
Field Installable I T-Cable

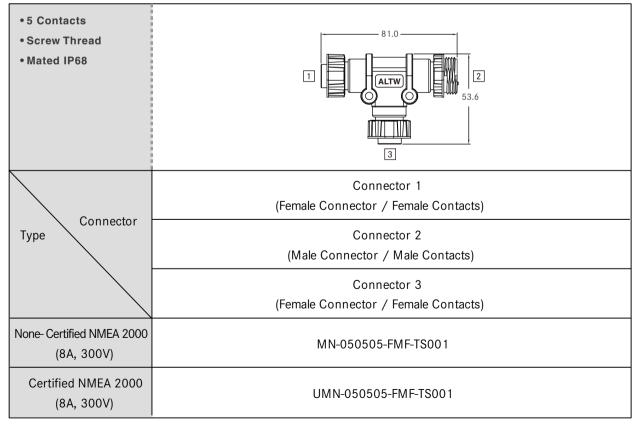


Mini > Cable > T-Cable



→ Mini > Network Terminator > Terminator





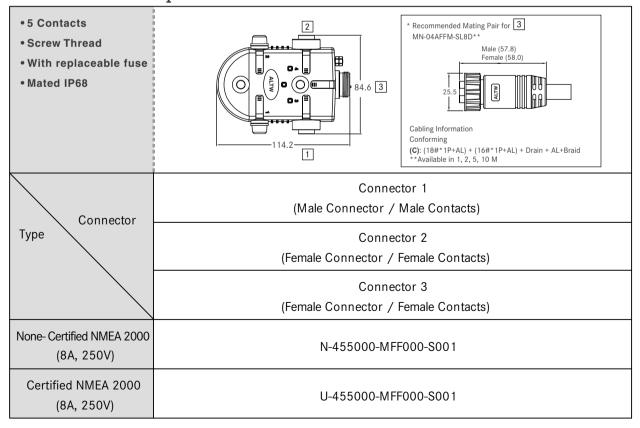
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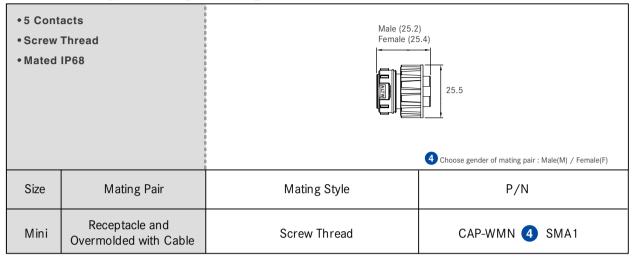
Elbow I Power Tap Tee

→ Mini > Adaptor > Elbow

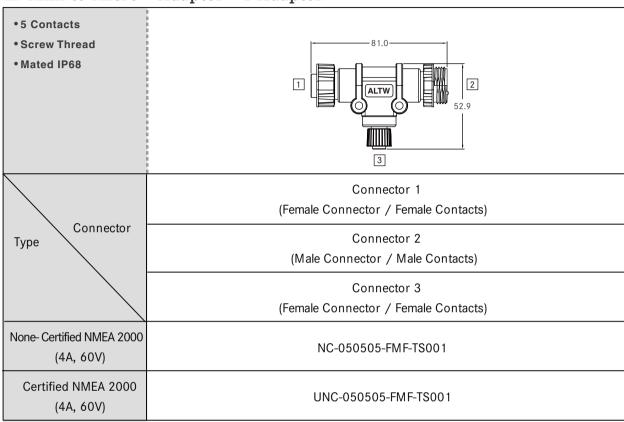
• 5 Contacts • Screw Thread • Mated IP68	2 ALTW 55.0
Connector	Connector 1 (Female Connector / Female Contacts)
Туре	Connector 2 (Male Connector / Male Contacts)
None- Certified NMEA 2000 (8A, 300V)	MN-000505-0FM-ES001

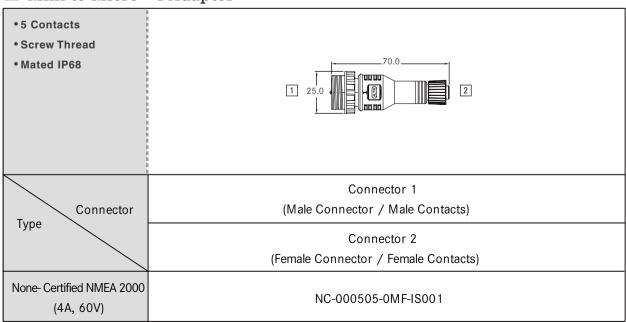
→ Mini > Power Tap Tee





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