

MW CONNECTOR

MIL-C-55181 Style



개요 (Overview)

Designed for intermediate power requirements, these rugged connectors are completely waterproof. Plug and receptacle connectors are available with 4, 9 or 18 molded-in contacts(size 12 and size 20) and are engineered with double lead jackscrews to facilitate mating and unmating.

Materials & Finish

Shells	Plugs	Aluminum alloy, cadmium plate with olive drab chromate per MIL-F-14072C
	Receptacles	Brass, cadmium plate with olive drab chromate per MIL-F-14072C
	Nosepieces	Alloy steel, cadmium plate with olive drab chromate per MIL-F-14072C
Contacts	Socket	High conductivity copper alloy with beryllium copper spring element, gold plated per MIL-G-45204
	Pin	Copper alloys, gold plated per MIL-G-45204
Insulators		Neoprene and/or glass filled dially l phthalate, Type SDG-F per MIL-M-14F
Drawscrews		Stainless steel, passivated

Specifications

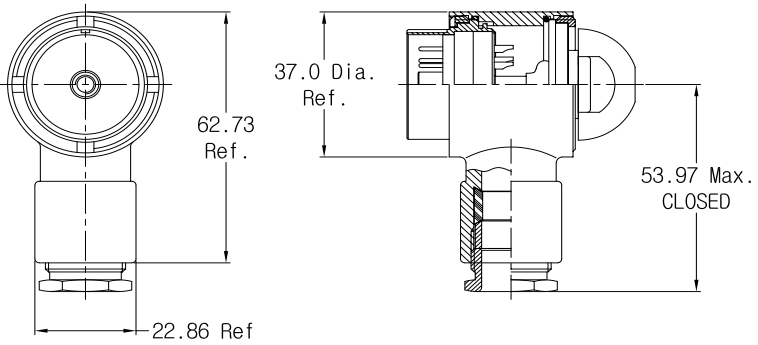
Electrical	Dielectric Strength	4 contact	2000V RMS.
		9, 18 contact	1500 V RMS.
	Insulation Resistance	1000 Megohms min. at 500 V DC.	
	Contact Resistance	4 contact	20 mV at 35A.
		9,18 contact	25 mV at 7.5A.
Mechanical	Air Pressure	-	2.5 psi.
	Water Immersion	-	6ft., 48 hours.
	Durability	-	500 cycles with a coupling torque of 12 in.-lbs
	Contact Retention	-	10 lbs.
	Insert Strength	-	400 lbs.(Axial force)

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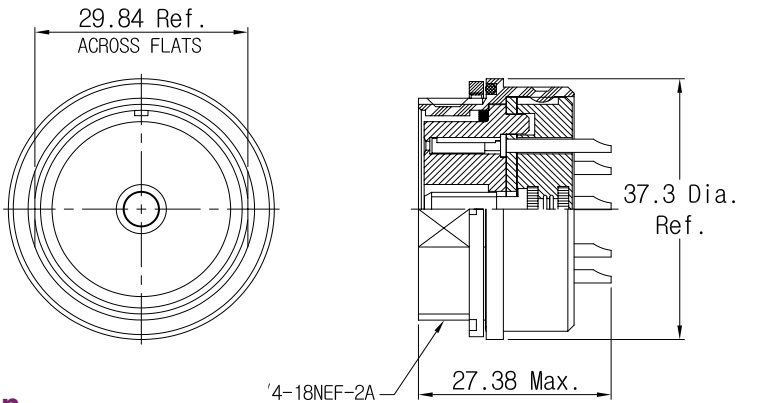
Substitute cable clamp code for“XX”as required.

Cable Diameter(inches)	Cable Clamp Code	MIL-C-55181 Designation	Manufacturer's Designation
.292 to .343	11	M55181/1-01	MW10F(M)A11
.323 to .406	13	M55181/1-02	MW10F(M)A13
.386 to .458	15	M55181/1-03	MW10F(M)A17
.448 to .531	17	M55181/1-04	MW10F(M)A19
.511 to .593	19	M55181/1-05	MW10F(M)A15
		M55181/2-01	MW20M(M)A00
		M55181/3-01	MW10M(M)A11
		M55181/3-02	MW10M(M)A13
		M55181/3-03	MW10M(M)A17
		M55181/3-04	MW10M(M)A19
		M55181/3-05	MW10M(M)A15
		M55181/4-01	MW20F(M)A00
		M55181/5-01	MW10M(M)B11
		M55181/5-02	MW10M(M)B13
		M55181/5-03	MW10M(M)B17
		M55181/5-04	MW10M(M)B19
		M55181/6-01	MW20F(M)B00
		M55181/7-01	MW10M(M)D11
		M55181/7-02	MW10M(M)D13
		M55181/7-03	MW10M(M)D17
		M55181/7-04	MW10M(M)D19
		M55181/7-05	MW10M(M)D15
		M55181/8-01	MW20F(M)D00

MW 10 Plug



MW 20 Receptacle



Ordering Info: Green World Technologies Corporation
www.gworldtech.com sales@gworldtech.com
Ph. 1 (310) 774-0919 Fax: 1 (310) 217-0091