

SPECIFICATIONS MICRO-MINI DC DIN ROBOTIC PLUGS (3-4 POLE)

- Female and Male-In-Line Plug
- 18 AWG High-Flex Stranding
- 300V 90°C Robotic Cable
- Straight and Right Angle Versions
- Epoxy Coated Zinc Diecast Hardware
- Meets Current SAE #H1738-2 Specifications
- Vibration Resistant Ratchet Design (Diecast Coupler)



TECHNICAL DATA

Agency Approvals

UL Recognition:

File #E169897

CSA Certification:

File #LR13963

Electrical Data

Contact Resistance:

≤ 5mΩ

Current Rating:

See chart with part number detail

Voltage Rating:

300 VDC

Dielectric Withstand Voltage:

1600 VAC

Environmental Data

Protection:

NEMA 1, 3, 4, 6P and 13; IEC IP 68

Temperature Range:

-30°C to +90°C

Corrosion Resistance:

1000 hr. salt spray per MIL-STD-202F

High Pressure Water Test:

1200 PSI spray

Material Data

Body:

Yellow, 90A durometer, flame resistant PVC

Insert:

Yellow, PUR

Cable:

Yellow, oil resistant PVC jacket

Contacts:

Machined Brass

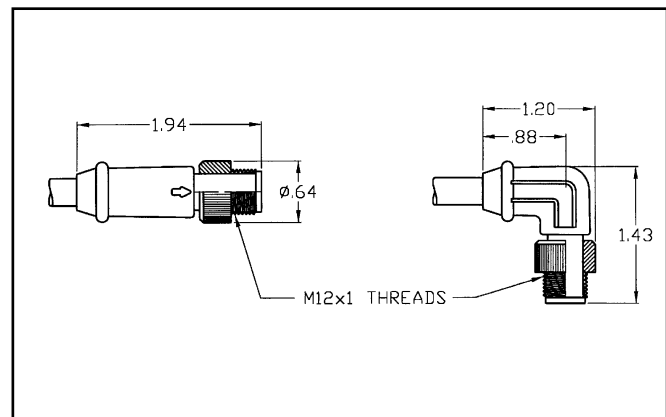
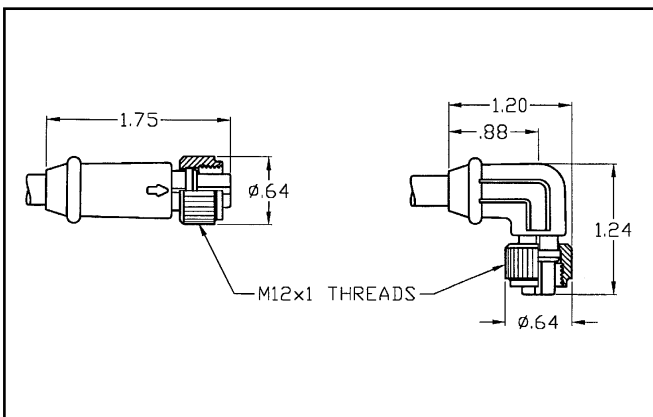
Contact Plating:

30 micro-inches of 24 karat Gold over 50 micro-inches of Nickel



Coupling Nut:

Diecast Zamak 5 with black epoxy coat

DIMENSIONS





MICRO-MINI DC DIN ROBOTIC FEMALE PLUG WITH EPOXY COATED ZINC DIECAST COUPLING NUT

POLES	FACE VIEW FEMALE	COLOR CODE	RATING	AWG	CABLE LENGTH (METERS)	STRAIGHT	RIGHT ANGLE
3		1. Black #1	300V, 5A	18	1	5000117-2R	5000117-7R
		2. Not Used			2	5000117-3R	5000117-8R
		3. Black #2			3	5000117-4R	5000117-9R
		4. Green/Yellow			4	5000117-5R	5000117-10R
		5. Not Used			5	5000117-6R	5000117-11R
4		1. Black #1	300V, 5A	18	1	5000118-2R	5000118-7R
		2. Black #2			2	5000118-3R	5000118-8R
		3. Black #3			3	5000118-4R	5000118-9R
		4. Green/Yellow			4	5000118-5R	5000118-10R
		5. Not Used			5	5000118-6R	5000118-11R

MICRO-MINI DC DIN ROBOTIC MALE-IN-LINE PLUG

WITH EPOXY COATED ZINC DIECAST COUPLING NUT

POLES	FACE VIEW MALE	COLOR CODE	RATING	AWG	CABLE LENGTH (METERS)	STRAIGHT	RIGHT ANGLE
3		1. Black #1	300V, 5A	18	1	5000117-13R	5000117-18R
		2. Not Used			2	5000117-14R	5000117-19R
		3. Black #2			3	5000117-15R	5000117-20R
		4. Green/Yellow			4	5000117-16R	5000117-21R
		5. Not Used			5	5000117-17R	5000117-22R
4		1. Black #1	300V, 5A	18	1	5000118-13R	5000118-18R
		2. Black #2			2	5000118-14R	5000118-19R
		3. Black #3			3	5000118-15R	5000118-20R
		4. Green/Yellow			4	5000118-16R	5000118-21R
		5. Not Used			5	5000118-17R	5000118-22R

Note: Special lead lengths available upon request — consult factory.
Stainless steel coupling nut available — consult factory.