LynxPOWER passive Mini-Line cordsets and receptacles

LynxPOWER™ Mini-Line cordsets and receptacles are designed for modular use in abusive applications where cable assemblies are exposed to constant flexing and/or dirty, oily or harsh environments.

Applications:

- Specifically designed for industrial automation applications in which power or signal connections are exposed to long-term physical stresses and subjected to liquids or oils
- Ideal for industrial manufacturing, production line equipment, packaging equipment, conveyors and assembly lines, plus food and beverage processing equipment
- Mini-Line connection points mean less downtime, easier maintenance and increased safety by replacing traditional hard wiring with a plug-and-run modular pre-wired system
- These products have excellent resistance to welding flash, hot chips and other severe conditions found in demanding manufacturing settings
- The molded-to-cable construction of the one-piece cordset ends creates a bond that is impervious to penetration from external contaminants

Features:

1 Indicating arrow for easy identification and proper alignment of keyway

2 Vibration-resistant ratchet coupler design prevents loosening in severe and high vibration applications

Style I cordset Ø=1.00"

3 Couplers pass 1,000-hour salt spray test for exceptional corrosion resistance

Style II cordset Ø=1.12"

4 Shroud and cork design rated for 1,200 psi hose down spray, exceeding IEC IP68 and NEMA 6P ratings

Style III cordset Ø=1.25"

5 Gold over nickel female contact plating provides superior conductivity and corrosion resistance

6 Superior bonding receptacle to pigtail epoxy potting ensures excellent reliability by preventing pigtail pull-out

Mini-Line receptacle

9 Multiple cable options available to suit nearly every industrial application

8 Internal contact support maintains pin location both pin-to-pin and pin-to-face dimensions

7 Mini-Line cordsets available in 2-pole through 12-pole 16 AWG cable for 6A, 7A, 8A, 10A and 13A applications

LynxPOWER passive Mini-Line cordsets

Male and female cordsets

Features:

- Factory molded-to-cable cordsets provide quick connect capability
- Modular components allow for easy expansion and reconfiguration without the need for re-wiring; eliminates the need for multiple cable assemblies, reduces installation time, reduces design time and lessens the need for special tools
- Environmentally sealed ends rated at IP68 to prevent the ingress of dust, water and other contaminants to reduce maintenance and downtime
- Vibration-resistant ratchet couplers assure cordsets stay connected under load
- Superior female contact design with stainless steel sleeve for minimal degradation
- End-to-cable molded junction securely bonds for excellent reliability
- Internal contact support maintains pin location and proper keyway alignment
- Shroud and cork design exceeds IP68 and NEMA 6P rating (rated 1,200 psi hose down spray)
- Easy stripping jacketed cable design allows fast stripping with simple hand tools; high flex copper stranding delivers improved flexibility; multiple cable options
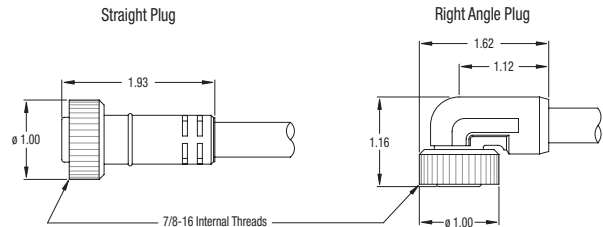
ML3A4WC030F
Style I
male plug

MLWA4WC030F
Style II
male plug

ML9A4WC030F
Style III
male plug

ML3C4WC030F
Style I
female plug

MLWC4WC030F
Style II
female plug

ML9C4WC030F
Style III
female plug

Certifications and compliances:

- NEMA 1, 3, 4, 6P, 13
- IEC IP68
- UL Listed 2238, File No. E468986
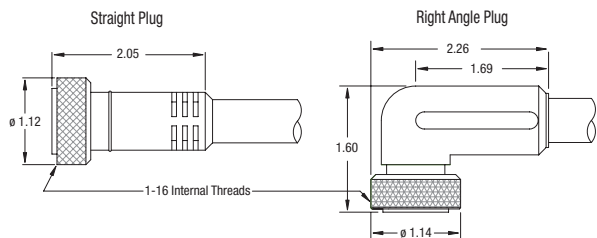- CSA certified, File No. LR13963

Style I male and female plugs

- Cable options – STOOW, SOOW or SEOW (up to 5-pole)
- Straight and right angle body designs
- Vibrationproof ratchet coupler design
- Zinc, nylon and stainless steel coupler options
- Meets current SAE #H1738-2 specifications

Straight Plug — Right Angle Plug

2-pole: 13A; 3-pole: 13A; 4-pole: 10A; 5-pole: 8A; 6-pole: 6A
2, 3, 4, 5, 6 conductor 16 AWG standard color code

Style II male and female plugs

- Cable options – STOOW
- Straight and right angle body designs
- Vibrationproof ratchet coupler design
- Aluminum coupler
- Meets current SAE #H1738-2 specifications

Straight Plug — Right Angle Plug

6-pole: 8A; 7-pole: 7A; 8-pole: 7A
6, 7, 8 conductor 16 AWG standard color code
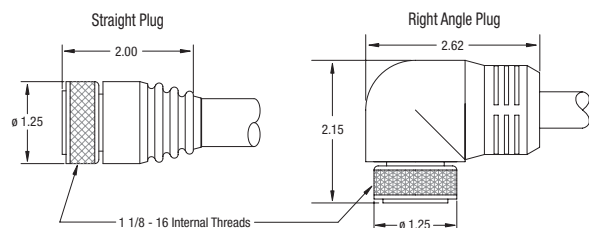
Style III male and female plugs

- Cable options – STOOW
- Straight and right angle body designs
- Vibrationproof ratchet coupler design
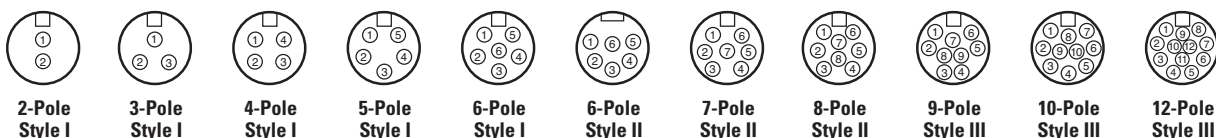- Aluminum coupler
- Meets current SAE #H1738-2 specifications

Straight Plug — Right Angle Plug

9-pole: 7A; 10-pole: 7A; 12-pole: 7A
9, 10, 12 conductor 16 AWG standard color code

E·A·T·N **CROUSE-HINDS** SERIES

Pin configurations and color coding:

Female faces

2-Pole Style I	3-Pole Style I	4-Pole Style I	5-Pole Style I	6-Pole Style I	6-Pole Style II	7-Pole Style II	8-Pole Style II	9-Pole Style III	10-Pole Style III	12-Pole Style III

Male faces

2-Pole Style I	3-Pole Style I	4-Pole Style I	5-Pole Style I	6-Pole Style I	6-Pole Style II	7-Pole Style II	8-Pole Style II	9-Pole Style III	10-Pole Style III	12-Pole Style III

Conductor color coding

Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
1. WHT	1. GRN	1. BLK	1. WHT	1. WHT	1. ORG	1. WHT/BLK	1. ORG	1. ORG	1. ORG	1. ORG
2. BLK	2. BLK	2. WHT	2. RED	2. RED	2. BLU	2. BLK	2. BLU	2. BLU	2. BLU	2. BLU
	3. WHT	3. RED	3. GRN	3. GRN	3. BLK	3. WHT	3. WHT/BLK	3. RED/BLK	3. WHT/BLK	3. WHT/BLK
		4. GRN	4. ORG	4. ORG	4. WHT	4. BLK	4. GRN/BLK	4. BLK	4. RED/BLK	4. RED/BLK
			5. BLK	5. BLK	5. RED	5. ORG	5. WHT	5. WHT	5. GRN/BLK	5. GRN/BLK
				6. BLU	6. GRN	6. BLU	6. RED	6. RED	6. ORG/BLK	6. ORG/BLK
						7. GRN	7. GRN	7. GRN	7. RED	7. BLU/BLK
							8. RED/BLK	8. WHT/BLK	8. GRN	8. BLK/WHT
								9. BLK	9. BLK	9. GRN
									10. WHT	10. RED
										11. WHT
										12. BLK

Ordering information:

Part number example

ML4A4WC120F

ML	4	A	4WC	120F

Product type

ML	Mini-Line cordset

Number of poles

2 Ⓐ	2, Style I
3	3, Style I
4	4, Style I
5	5, Style I
6	6, Style I
7	7, Style II
8	8, Style II
9	9, Style III
A	10, Style III
C	12, Style III

Plug gender and configuration

A	Male, straight plug, internal thread, pigtail
C	Female, straight plug, internal thread, pigtail
D	Male, 90° plug, internal thread, pigtail
F	Female, 90° plug, internal thread, pigtail
G	Male, 90° plug to female, straight plug
J	Male, 90° plug to female, 90° plug
P	Male, straight plug to female, straight plug
S	Male, straight plug to female, 90° plug

Cable specifications

4WC	16 AWG STOOW – U.S. std. color code
4AC Ⓐ Ⓑ	16 AWG SEOW – U.S. std. color code
4SC Ⓐ Ⓑ	16 AWG SOOW – U.S. std. color code

Length

030F	3 ft.
060F	6 ft.
120F	12 ft.
300F	30 ft.

Special features

BLANK	Standard zinc alloy or aluminum coupler
X Ⓒ	Stainless steel coupler
Y Ⓒ	Nylon coupler

Ⓐ This option is not part of the standard product offering and is considered to be made to order. Please contact Customer Service for ordering information and lead time.

Ⓑ Available in 3-pole to 5-pole, Style I configuration as a standard product offering.

Ⓒ Style I only.

LynxPOWER passive
Mini-Line receptacles

Male and female receptacles

Features:

- Modular components allow for easy expansion and reconfiguration without the need for re-wiring; eliminates the need for multiple cable assemblies, reduces installation time, reduces design time and lessens the need for special tools
- Environmentally sealed ends rated at IP68 to prevent the ingress of dust, water and other contaminants to reduce maintenance and downtime
- Compact space saving receptacle bodies
- Superior female contact design with stainless steel sleeve for minimal degradation
- Receptacle-to-pigtail potting bonds securely for excellent reliability
- Internal contact support maintains pin location and proper keyway alignment
- Shroud and cork design exceeds IP68 and NEMA 6P rating (rated 1,200 psi hose down spray)
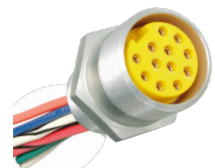
Certifications and compliances:

- NEMA 1, 3, 4, 6P, 13
- IEC IP68
- UL Listed 2238, File No. E468986
- CSA certified, File No. LR13963

MR3F4BC100A
Style I
female receptacle

MRWF4BC100A
Style II
female receptacle

MR9F4BC100A
Style III
female receptacle
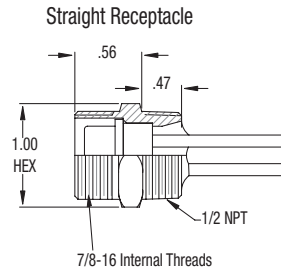
MR3E4BC100A
Style I
male receptacle

MRWE4BC100A
Style II
male receptacle

MR9E4BC100A
Style III
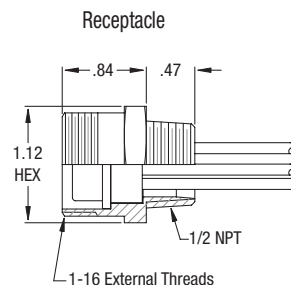**male receptacle**

Style I male and female receptacles

- Cable options – PVC single conductor flying leads
- $1/2$"-14 NPT mounting threads
- Zinc, nylon and stainless steel shell options
- Meets current SAE #H1738-2 specifications

Straight Receptacle

.56
.47
1.00 HEX
1/2 NPT
7/8-16 Internal Threads

2-pole: 13A; 3-pole: 13A; 4-pole: 10A; 5-pole: 8A; 6-pole: 6A
2, 3, 4, 5, 6 conductor 16 AWG U.S. standard color code

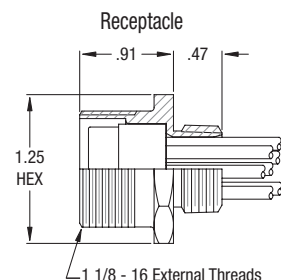## Style II male and female receptacles

- Cable options – PVC single conductor flying leads
- $1/2$"-14 NPT mounting threads
- Aluminum shell
- Meets current SAE #H1738-2 specifications

Receptacle

.84
.47
1.12 HEX
1/2 NPT
1-16 External Threads

6-pole: 8A; 7-pole: 7A; 8-pole: 7A
6, 7, 8 conductor 16 AWG U.S. standard color code

Style III male and female receptacles

- Cable options – PVC single conductor flying leads
- $1/2$"-14 NPT mounting threads
- Aluminum shell
- Meets current SAE #H1738-2 specifications

Receptacle

.91
.47
1.25 HEX
1 1/8 - 16 External Threads

9-pole: 7A; 10-pole: 7A; 12-pole: 7A
9, 10, 12 conductor 16 AWG U.S. standard color code

E·T·N   **CROUSE-HINDS** SERIES

Pin configurations and color coding:

Female faces

| 2-Pole Style I | 3-Pole Style I | 4-Pole Style I | 5-Pole Style I | 6-Pole Style I | 6-Pole Style II | 7-Pole Style II | 8-Pole Style II | 9-Pole Style III | 10-Pole Style III | 12-Pole Style III |

Male faces

| 2-Pole Style I | 3-Pole Style I | 4-Pole Style I | 5-Pole Style I | 6-Pole Style I | 6-Pole Style II | 7-Pole Style II | 8-Pole Style II | 9-Pole Style III | 10-Pole Style III | 12-Pole Style III |

Conductor color coding

Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
1. WHT	1. GRN	1. BLK	1. WHT	1. WHT	1. ORG	1. WHT/BLK	1. ORG	1. ORG	1. ORG	1. ORG
2. BLK	2. BLK	2. WHT	2. RED	2. RED	2. BLU	2. BLK	2. BLU	2. BLU	2. BLU	2. BLU
	3. WHT	3. RED	3. GRN	3. GRN	3. BLK	3. WHT	3. WHT/BLK	3. RED/BLK	3. WHT/BLK	3. WHT/BLK
		4. GRN	4. ORG	4. WHT	4. WHT	4. RED	4. GRN/BLK	4. BLK	4. RED/BLK	4. RED/BLK
			5. BLK	5. BLK	5. RED	5. ORG	5. WHT	5. WHT	5. GRN/BLK	5. GRN/BLK
				6. BLU	6. GRN	6. BLU	6. RED	6. RED	6. ORG/BLK	6. ORG/BLK
						7. GRN	7. GRN	7. GRN	7. RED	7. BLU/BLK
							8. RED/BLK	8. WHT/BLK	8. GRN	8. BLK/WHT
								9. BLK	9. BLK	9. GRN
									10. WHT	10. RED
										11. WHT
										12. BLK

Ordering information:

Part number example

MR4F4BC100A

| MR | 4 | F | 4BC | 100A | |

Product type

| MR | Mini-Line receptacle |

Number of poles

2[A]	2, Style I
3	3, Style I
4	4, Style I
5	5, Style I
6	6, Style I
W	6, Style II
7	7, Style II
8	8, Style II
9	9, Style III
A	10, Style III
C	12, Style III

Receptacle gender and configuration

E	Male receptacle, external thread, ½"-14 NPT	M
F	Female receptacle, external thread, ½"-14 NPT	F
H	Male 90° receptacle, external thread, ½"-14 NPT	M

Cable specifications

| 4BC | 16 AWG single conductor PVC – U.S. std. color code |

Length

| 100A | 10 inches |

Special features

BLANK	Standard zinc alloy or aluminum shell
X[B]	Stainless steel shell
Y[B]	Nylon shell

[A] This option is not part of the standard product offering and is considered to be made to order. Please contact Customer Service for ordering information and lead time.
[B] Style I only.

LynxPOWER passive Mini-Line tees and accessories

Tees and field attachables

Features:

- Modular components allow for easy expansion and reconfiguration without the need for re-wiring; reduces installation time and lessens the need for special tools
- Factory molded tees offer quick and easy circuit branching options
- Field attachable connectors allow users to create custom cable lengths using their own cable

Certifications and compliances:

- NEMA 1, 3, 4, 6P, 13
- IEC IP68
- UL recognized, cURus File No. E169897
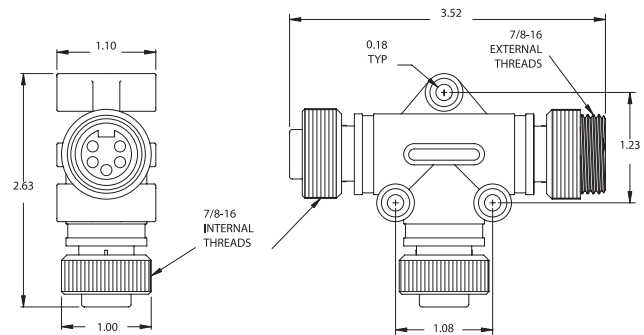- CSA certified, File No. LR13963

MT4RC4R
Style I
male-female-female tee

MF4B1
Style I
male in-line field attachable

Style I tees

- Male and female plug connectivity
- Available with molded drop cable
- Black and gray molded body options
- Zinc coupler
- IP68

3-pole: 13A; 4-pole: 10A
3 and 4 conductor 16 AWG tees available

Style I field attachables

- Field attachables feature an impact-resistant PVC body
- Provide IP67 environmental protection
- Nickel-plated brass coupler provides easy to use, durable connection
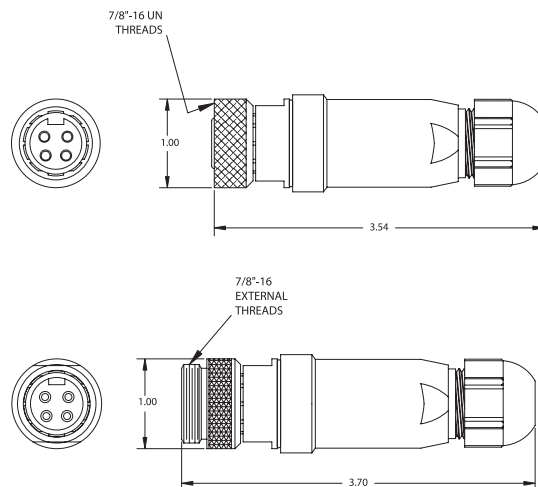
3-pole: 13A; 4-pole: 10A
3 and 4 conductor available to support 16 AWG cable

www.crouse-hinds.com   US: 1-866-764-5454   CAN: 1-800-265-0502   Copyright© 2020 Eaton

E·A·T·N **CROUSE-HINDS** SERIES

Ordering information – tees:

Part number example
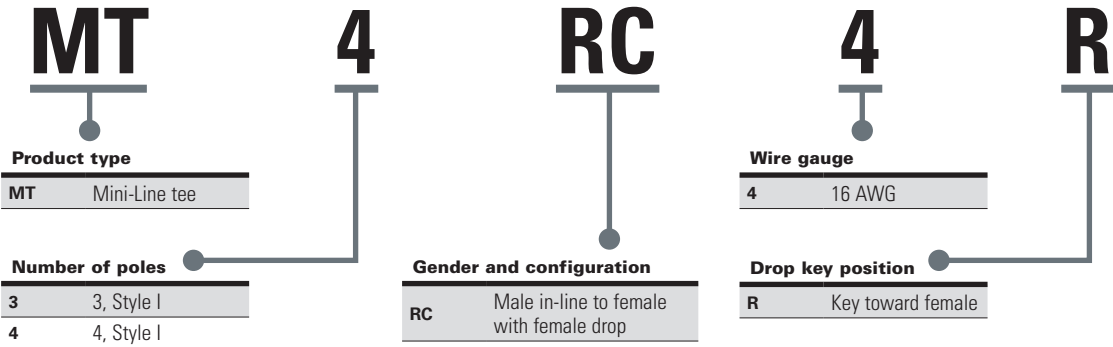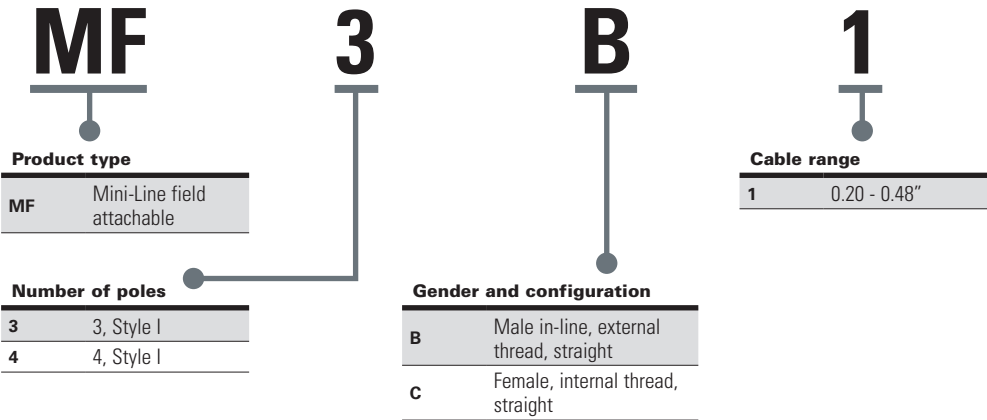**MT4RC4R**

MT	**4**	**RC**	**4**	**R**

Product type

MT	Mini-Line tee

Number of poles

3	3, Style I
4	4, Style I

Gender and configuration

RC	Male in-line to female with female drop

Wire gauge

4	16 AWG

Drop key position

R	Key toward female

Ordering information – field attachables:

Part number example
MF3B1

MF	**3**	**B**	**1**

Product type

MF	Mini-Line field attachable

Number of poles

3	3, Style I
4	4, Style I

Gender and configuration

B	Male in-line, external thread, straight
C	Female, internal thread, straight

Cable range

1	0.20 - 0.48"

Ordering information – passive accessories:

Cap with external threads

Cat. #	Description
M1MC	ML1 cap for Style I plugs

Cap with internal threads

Cat. #	Description
M1FC	ML1 cap for Style II receptacles

LynxPOWER passive Mini-Line 4-port plex boxes

Features:

- Allow for consolidation of signal into one cable, reducing the number of cables needed
- PNP wiring configuration with LED indicator lights
- 4-port and 8-port output options standard

Certifications and compliances:

- NEMA 1, 3, 4, 6P, 13
- IEC IP68
- UL recognized, cURus File No. E169897
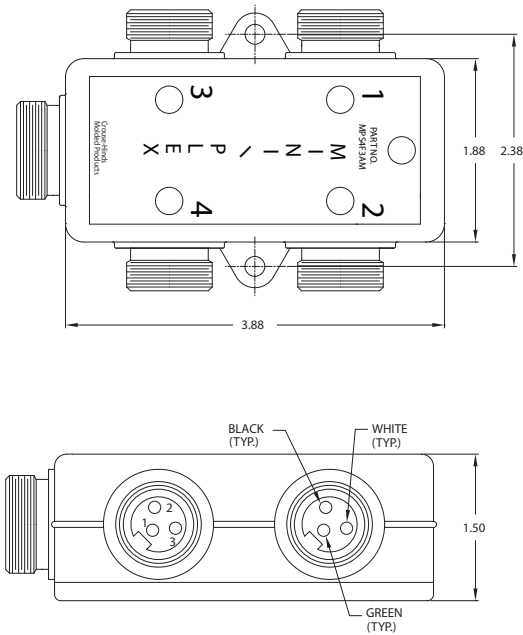- CSA certified, File No. LR13963

MPS4F3AM
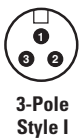**single key 4-port plex box**

Ordering information:

Cat. #	No. of ports	Output port gender	Output port no. of holes	Wiring configuration	Input port gender	Input port no. of holes	Voltage
MP4FA000	4	Female	3	Parallel	Male	6	600 VAC
MP4FC000	4	Female	3	PNP	Male	6	120 VAC

Dimensions:

BLACK (TYP.)   WHITE (TYP.)

GREEN (TYP.)

DC single key pin configurations and color coding:

Female faces

3-Pole Style I

Male faces

3-Pole Style I

Conductor color coding

Standard
1. GRN
2. BLK
3. WHT

www.crouse-hinds.com   US: 1-866-764-5454   CAN: 1-800-265-0502   Copyright© 2020 Eaton

E·T·N   **CROUSE-HINDS** SERIES
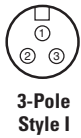
LynxPOWER passive Mini-Line 8-port plex boxes

NEMA 1, 3, 4, 6P, 13
IP68

Features:

- Allow for consolidation of signal into one cable, reducing the number of cables needed
- PNP wiring configuration with LED indicator lights
- 4-port and 8-port output options standard

Certifications and compliances:

- NEMA 1, 3, 4, 6P, 13
- IEC IP68
- UL recognized, cURus File No. E169897
- CSA certified, File No. LR13963

MPS4F3AM
single key 8-port plex box

Ordering information:

Cat. #	No. of ports	Output port gender	Output port no. of holes	Wiring configuration	Input port gender	Input port no. of holes	Voltage
MP8FA000	8	Female	3	Parallel	Male	10	600 VAC
MP8FC000	8	Female	3	PNP	Male	10	120 VAC

Dimensions:

1.88 2.38

3.50

7.37

BLACK (TYP.)   WHITE (TYP.)
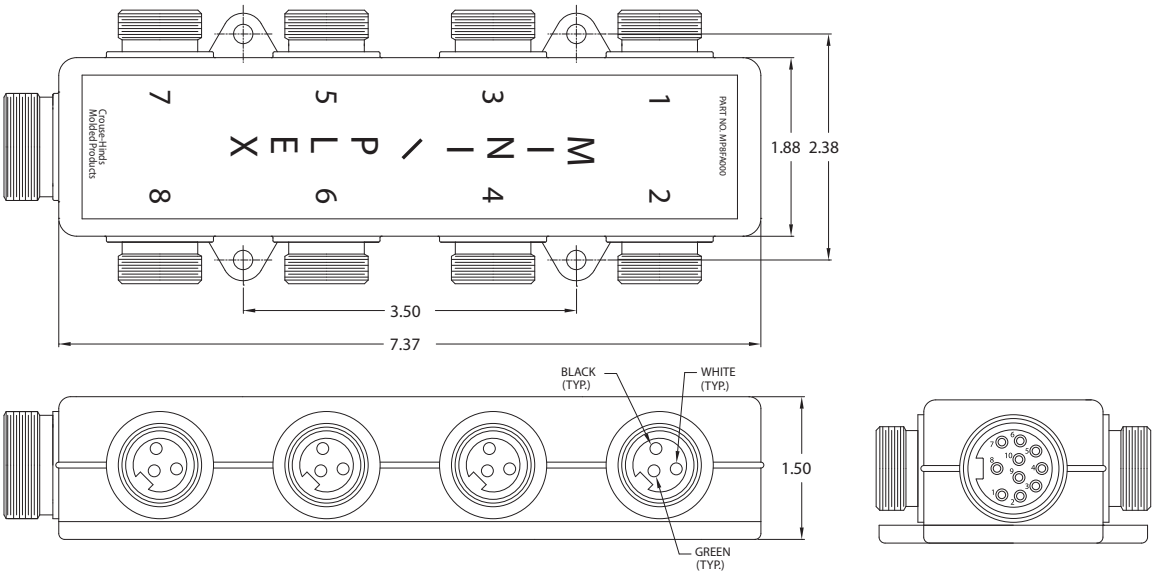
1.50

GREEN (TYP.)

DC single key pin configurations and color coding:

Female faces

3-Pole
Style I

Male faces

3-Pole
Style I

Conductor color coding

Standard
1. GRN
2. BLK
3. WHT

E·T·N CROUSE-HINDS SERIES

www.crouse-hinds.com   US: 1-866-764-5454   CAN: 1-800-265-0502

Applications:

- Specifically designed for industrial automation applications that expose signal connections to constant flexing and vibration, plus contaminants, hot chips or welding flash

- Ideal for industrial manufacturing, production line equipment, pick-n-place machines and robotic equipment and processing sensors

- Designed specifically for low amperage AC or DC control systems, compatible with pin configurations used by major sensor manufacturers in the U.S. and Europe, and meet current SAE H1738-2 and IEC 60176-2-101 specifications

- The molded-to-cable construction of the one-piece cordset ends creates a bond that is impervious to penetration from external contaminants

- Receptacle shells are made from materials chosen to mate with Micro-Mini cordsets and provide a cable assembly with far superior service

Features:

1 Indicating arrow for easy identification and proper alignment of keyway

2 Vibration-resistant ratchet coupler design prevents loosening in severe and high vibration applications

Micro-Mini dual key AC cordset Ø=0.64″

3 Couplers pass 1,000-hour salt spray test for exceptional corrosion resistance

4 Heavy duty contact insert provides superior strength for even the most abusive applications

5 Gold over nickel female contact plating provides superior conductivity and corrosion resistance

Micro-Mini DC DIN cordset Ø=0.64″

6 Superior bonding receptacle-to-pigtail epoxy potting ensures excellent reliability by preventing pigtail pull-out

7 Multiple cable options available to suit nearly every industrial application

8 Micro-Mini cordsets available in 3-pole through 6-pole 18 or 22 AWG cable for 3A, 4A and 5A applications

Micro-Mini receptacle

E·T·N CROUSE-HINDS SERIES

Male and female cordsets

Features:

- Designed for low amperage control systems in abusive manufacturing environments
- Factory molded-to-cable ends provide quick connect capability
- Modular components allow for easy expansion and reconfiguration withouth the need for re-wiring; eliminates the need for multiple cable assemblies, reduces installation time, reduces design time and lessens the need for special tools
- Environmentally sealed ends rated at IP68 to prevent the ingress of dust, water and other contaminants to reduce maintenance and downtime; internal gasket assures watertightness
- Vibration-resistant ratchet couplers assure cordsets stay coupled under load
- Contact inserts securely bonded in place with a proprietary process; superior side load strength is in excess of 100 lbs., five times industry standards
- End-to-cable molded junction securely bonds for excellent reliability
- Gold plated contacts provide superior conductivity and corrosion resistance
- Easy stripping jacketed cable with "fillerless" design allows fast stripping with simple hand tools; high flex copper stranding delivers improved flexibility; multiple cable type options
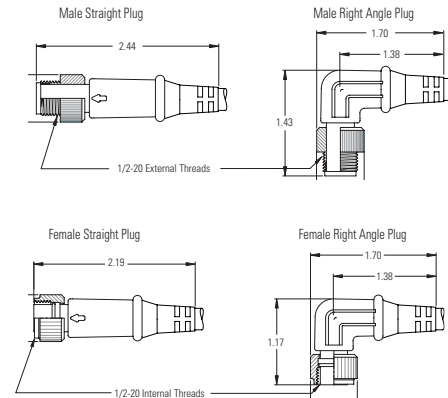
AM3B2MG010M
AC dual key male plug

AM5C3AG010M
AC dual key female plug

Certifications and compliances:

- NEMA 1, 3, 4, 6P, 13
- IEC IP68
- UL Listed 2238, File No. E468986
- CSA certified, File No. LR13963

AC dual key male and female plugs

- Cable options – PVC (UR AWM Style 2661)
- Straight and right angle body designs
- Vibrationproof ratchet coupler design
- Zinc coupler
- Meets current SAE #H1738-2 specifications

Male Straight Plug

2.44

1/2-20 External Threads

Male Right Angle Plug

1.70
1.38
1.43

Female Straight Plug

2.19

1/2-20 Internal Threads

Female Right Angle Plug

1.70
1.38
1.17

3-pole: 4A; 4-pole: 4A; 5-pole: 4A; 6-pole: 3A, 300 VAC
3, 4, 5, 6 conductor 18 & 22 AWG U.S. AC color code

AC dual key pin configurations and color coding:

Female faces

3-Pole Dual Key AC	4-Pole Dual Key AC	5-Pole Dual Key AC	6-Pole Dual Key AC

Conductor color coding

Standard	Standard	Standard	Standard
1. GRN	1. RED/BLK	1. RED/WHT	1. RED/WHT
2. RED/BLK	2. RED/WHT	2. RED	2. RED
3. RED/WHT	3. RED	3. GRN	3. GRN
	4. GRN	4. RED/YEL	4. RED/YEL
		5. RED/BLK	5. RED/BLK
			6. RED/BLU

Male faces

3-Pole Dual Key AC	4-Pole Dual Key AC	5-Pole Dual Key AC	6-Pole Dual Key AC

Conductor color coding

Standard	Standard	Standard	Standard
1. GRN	1. RED/BLK	1. RED/WHT	1. RED/WHT
2. RED/BLK	2. RED/WHT	2. RED	2. RED
3. RED/WHT	3. RED	3. GRN	3. GRN
	4. GRN	4. RED/YEL	4. RED/YEL
		5. RED/BLK	5. RED/BLK
			6. RED/BLU

LynxPOWER passive Micro-Mini cordsets

DC single key

Male and female cordsets

Features:

- Designed for low amperage control systems in abusive manufacturing environments

- Factory molded-to-cable ends provide quick connect capability

- Modular components allow for easy expansion and reconfiguration without the need for re-wiring; eliminates the need for multiple cable assemblies, reduces installation time, reduces design time and lessens the need for special tools

- Environmentally sealed ends rated at IP68 to prevent the ingress of dust, water and other contaminants to reduce maintenance and downtime; internal gasket assures watertightness

- Vibration-resistant ratchet couplers assure cordsets stay coupled under load

- Contact inserts securely bonded in place with a proprietary process; superior side load strength is in excess of 100 lbs., five times industry standards

- End-to-cable molded junction securely bonds for excellent reliability

- Gold plated contacts provide superior conductivity and corrosion resistance

- Easy stripping jacketed cable design allows fast stripping with simple hand tools; high flex copper stranding delivers improved flexibility; multiple cable type options
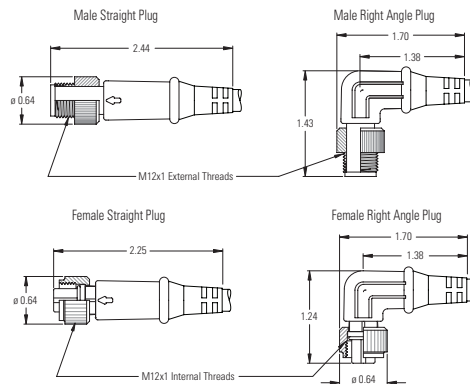

DM3B2ME010M
DC single key male plug

DM3C2ME010M
DC single key female plug

Certifications and compliances:

- NEMA 1, 3, 4, 6P, 13
- IEC IP68
- UL Listed 2238, File No. E468986

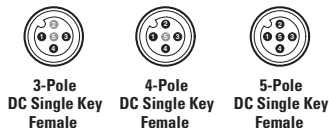## DC single key (M12) male and female plugs

- Cable options – PVC (UR AWM Style 2661)
- Straight and right angle body designs
- Vibrationproof ratchet coupler design
- Zinc coupler
- Meets current IEC 61076-2-101 specifications

Male Straight Plug — 2.44 — ø 0.64 — M12x1 External Threads

Male Right Angle Plug — 1.70 — 1.38 — 1.43

Female Straight Plug — 2.25 — ø 0.64 — M12x1 Internal Threads

Female Right Angle Plug — 1.70 — 1.38 — 1.24 — ø 0.64

3-pole: 4A; 4-pole: 4A; 5-pole: 4A / 3-pole: 5A; 4-pole: 5A, 300 VDC
2, 3, 4, 5 conductor 18 & 22 AWG Euro DC color code

Micro DIN pin configurations and color coding:

Female faces				Male faces			
	3-Pole DC Single Key Female	4-Pole DC Single Key Female	5-Pole DC Single Key Female		3-Pole DC Single Key Male	4-Pole DC Single Key Male	5-Pole DC Single Key Male
Conductor color coding	**Euro DC** 1. BRN 2. N/C 3. BLU 4. BLK 5. N/C	**Euro DC** 1. BRN 2. WHT 3. BLU 4. BLK 5. N/C	**Euro DC** 1. BRN 2. WHT 3. BLU 4. BLK 5. GRY	**Conductor color coding**	**Euro DC** 1. BRN 2. N/C 3. BLU 4. BLK 5. N/C	**Euro DC** 1. BRN 2. WHT 3. BLU 4. BLK 5. N/C	**Euro DC** 1. BRN 2. WHT 3. BLU 4. BLK 5. GRY

EAT•N CROUSE-HINDS SERIES

Ordering information – AC dual key cordsets:

Part number example
AM4B2MG010M

AM	4	B	2MG	010M

Product type

AM	Micro-Mini AC cordset

Number of poles

3	3-pole
4	4-pole
5	5-pole
6	6-pole

Plug gender and configuration

B	Male, straight plug, external thread, pigtail	
C	Female, straight plug, internal thread, pigtail	
E	Male, 90° plug, external thread, pigtail	
F	Female, 90° plug, internal thread, pigtail	
H	Male, 90° plug to female, straight plug	
K	Male, 90° plug to female, 90° plug	
R	Male, straight plug to female, straight plug	
T	Male, straight plug to female, 90° plug	

Cable specifications

2MG	22 AWG PVC – U.S. AC color code
3MG Ⓐ	18 AWG PVC – U.S. AC color code

Length

010M	1 meter
020M	2 meters
030M	3 meters
050M	5 meters
100M	10 meters

Ordering information – DC single key cordsets:

Part number example
DM4B2ME010M

DM	4	B	2ME	010M

Product type

DM	Micro-Mini DC cordset

Number of poles

3	3-pole
4	4-pole
5	5-pole

Plug gender and configuration

B	Male, straight plug, external thread, pigtail	
C	Female, straight plug, internal thread, pigtail	
E	Male, 90° plug, external thread, pigtail	
F	Female, 90° plug, internal thread, pigtail	
H	Male, 90° plug to female, straight plug	
K	Male, 90° plug to female, 90° plug	
R	Male, straight plug to female, straight plug	
T	Male, straight plug to female, 90° plug	

Cable specifications

2ME	22 AWG PVC – Euro DC color code
3ME Ⓐ	18 AWG PVC – Euro DC color code

Length

010M	1 meter
020M	2 meters
030M	3 meters
050M	5 meters
100M	10 meters

Ⓐ This option is not part of the standard product offering and is considered to be made to order. Please contact Customer Service for ordering information and lead time.

LynxPOWER passive Micro-Mini receptacles

AC dual key

Male and female receptacles

Features:

- Designed for low amperage AC control systems in abusive manufacturing environments

- Available in straight designs with standard color coding in AWM/MTW Style 1430/1569 leads

- Modular components allow for easy expansion and reconfiguration without the need for re-wiring; eliminates the need for multiple cable assemblies, reduces installation time, reduces design time and lessens the need for special tools

- Environmentally sealed connectors rated at IP68 to prevent the ingress of dust, water and other contaminants to reduce maintenance and downtime; internal gasket assures watertightness

- Contact inserts securely bonded in place with a proprietary process

- Receptacle-to-pigtail potting bonds securely for excellent reliability

- Gold over nickel-plated contacts provide superior conductivity and corrosion resistance

- Internal contact support maintains pin location and proper keyway alignment

- Internal gasket assures watertight performance to IP68 and NEMA 6P ratings
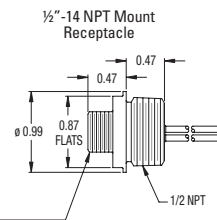

AR3E2CG003M male receptacle

AR3D2CG003M female receptacle

Certifications and compliances:

- UL recognized, cURus, File No. E169897

AC dual key male and female receptacles

- Cable options – PVC single conductor flying leads
- ¹/₂"-14 NPT mounting threads
- Aluminum shell
- Meets current SAE #H1738-2 specifications

½"-14 NPT Mount Receptacle

3-pole: 4A; 4-pole: 4A; 5-pole: 4A; 6-pole: 3A, 300 VAC
3, 4, 5, 6 conductor 18 & 22 AWG U.S. AC color code

AC dual key pin configurations and color coding:

Female faces

3-Pole Dual Key AC	**4-Pole Dual Key AC**	**5-Pole Dual Key AC**	**6-Pole Dual Key AC**

Conductor color coding

Standard	**Standard**	**Standard**	**Standard**
1. GRN	1. RED/BLK	1. RED/WHT	1. RED/WHT
2. RED/BLK	2. RED/WHT	2. RED	2. RED
3. RED/WHT	3. RED	3. GRN	3. GRN
	4. GRN	4. RED/YEL	4. RED/YEL
		5. RED/BLK	5. RED/BLK
			6. RED/BLU

Male faces

3-Pole Dual Key AC	**4-Pole Dual Key AC**	**5-Pole Dual Key AC**	**6-Pole Dual Key AC**

Conductor color coding

Standard	**Standard**	**Standard**	**Standard**
1. GRN	1. RED/BLK	1. RED/WHT	1. RED/WHT
2. RED/BLK	2. RED/WHT	2. RED	2. RED
3. RED/WHT	3. RED	3. GRN	3. GRN
	4. GRN	4. RED/YEL	4. RED/YEL
		5. RED/BLK	5. RED/BLK
			6. RED/BLU

FAT•N CROUSE-HINDS SERIES

Male and female receptacles

Features:

- Designed for low amperage AC control systems in abusive manufacturing environments
- Available in straight designs with standard color coding in AWM/MTW Style 1430/1569 leads
- Modular components allow for easy expansion and reconfiguration without the need for re-wiring; eliminates the need for multiple cable assemblies, reduces installation time, reduces design time and lessens the need for special tools
- Environmentally sealed connectors rated at IP68 to prevent the ingress of dust, water and other contaminants to reduce maintenance and downtime; internal gasket assures watertightness
- Contact inserts securely bonded in place with a proprietary process
- Receptacle-to-pigtail potting bonds securely for excellent reliability
- Gold over nickel-plated contacts provide superior conductivity and corrosion resistance
- Internal contact support maintains pin location and proper keyway alignment
- Internal gasket assures watertight performance to IP68 and NEMA 6P ratings

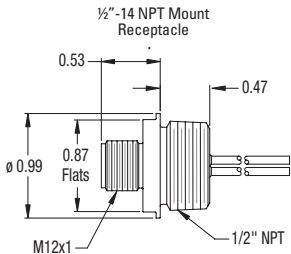**DR4E2CE003M**
male receptacle

DR4D2CE003M
female receptacle

Certifications and compliances:

- UL recognized, cURus, File No. E169897

DC DIN male and female receptacles

- Cable options – PVC single conductor flying leads
- ½"-14 NPT mounting threads available
- Aluminum shell
- Meets current IEC 61076-2-101 specifications

3-pole: 4A; 4-pole: 4A; 5-pole: 4A, 300 VDC
2, 3, 4, 5, 6 conductor 18 & 22 AWG U.S. AC color code

DC DIN pin configurations and color coding:

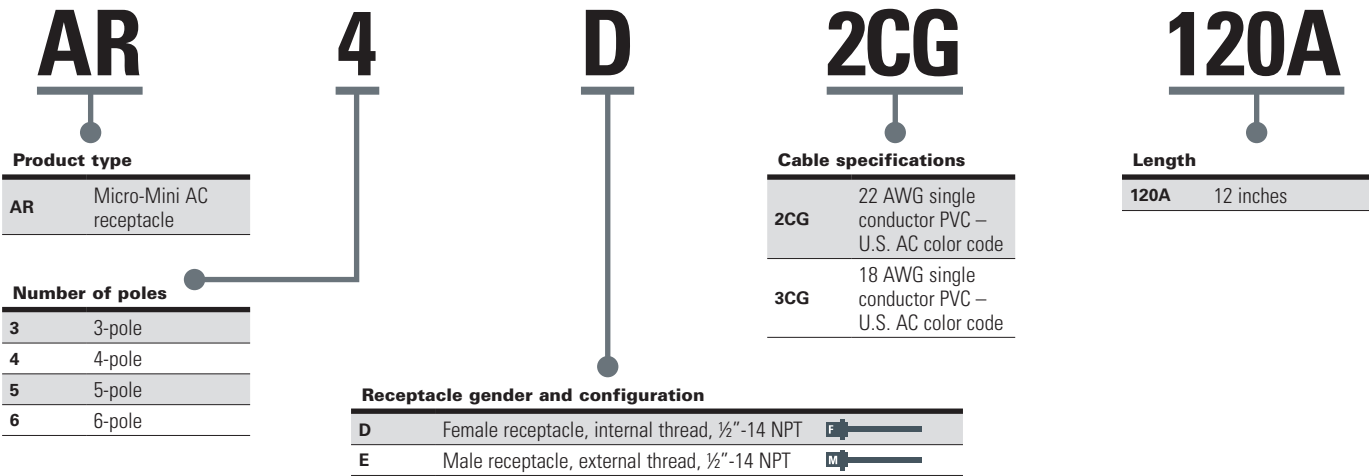| Female faces			
	3-Pole DC Single Key Female	**4-Pole DC Single Key Female**	**5-Pole DC Single Key Female**
Conductor color coding	**Euro DC** 1. BRN 2. N/C 3. BLU 4. BLK 5. N/C	**Euro DC** 1. BRN 2. WHT 3. BLU 4. BLK 5. N/C	**Euro DC** 1. BRN 2. WHT 3. BLU 4. BLK 5. GRY
Male faces			
	3-Pole DC Single Key Male	**4-Pole DC Single Key Male**	**5-Pole DC Single Key Male**
Conductor color coding	**Euro DC** 1. BRN 2. N/C 3. BLU 4. BLK 5. N/C	**Euro DC** 1. BRN 2. WHT 3. BLU 4. BLK 5. N/C	**Euro DC** 1. BRN 2. WHT 3. BLU 4. BLK 5. GRY

Ordering information – AC dual key receptacles:

Part number example
AR4D2CG120A

AR	4	D	2CG	120A

Product type

AR	Micro-Mini AC receptacle

Number of poles

3	3-pole
4	4-pole
5	5-pole
6	6-pole

Cable specifications

2CG	22 AWG single conductor PVC – U.S. AC color code
3CG	18 AWG single conductor PVC – U.S. AC color code

Length

120A	12 inches

Receptacle gender and configuration

D	Female receptacle, internal thread, ½"-14 NPT	F
E	Male receptacle, external thread, ½"-14 NPT	M

Ordering information – DC single key receptacles:

Part number example
DR4D2CE003M

DR	4	D	2CE	003M

Product type

DR	Micro-Mini DC receptacle

Number of poles

3	3-pole
4	4-pole
5	5-pole

Cable specifications

2CE	22 AWG single conductor PVC – Euro DC color code
3CE	18 AWG single conductor PVC – Euro DC color code

Length

003M	0.3 meters

Receptacle gender and configuration

D	Female receptacle, internal thread, ½"-14 NPT	F
E	Male receptacle, external thread, ½"-14 NPT	M

F·A·T·N CROUSE-HINDS SERIES

AC dual key and DC single key tees

Features:

- Factory molded tees offer quick and easy circuit branching options, eliminating the need for hard wired boxes
- Tees are available with molded-to-cable drops as well as molded wiring harnesses with multiple drops
- Compact body reduces the overall connectivity footprint
- Flexible gender configurations allow the user to customize the product to fit their application

Certifications and compliances:

- NEMA 1, 3, 4, 6P, 13
- IEC IP68
- UL recognized, cURus File No. E169897
- CSA certified, File No. LR13963

AT3RC3R
AC dual key
male-female-female tee

DT4RC3R
DC single key
male-female-female tee

AC dual key tapping tees

- Standard and low profile configurations
- 300V 105°C
- Epoxy coated zinc die cast hardware
- Meets current SAE #H1738-2 specifications
- Vibration-resistant ratchet design (die cast coupler)

3.76
1.75
1/2-20 THREADS
0.70
1.91
1/2-20 THREADS
1/2-20 THREADS
1/2-20 THREADS
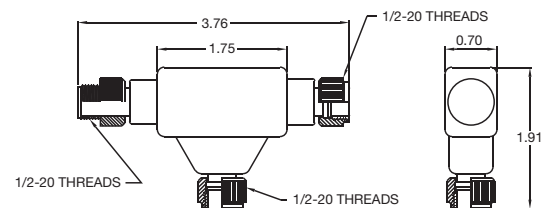
3-pole: 5A, 300V
3 conductor 18 AWG

DC single key tapping tees

- 300V 105°C
- Black epoxy coated hardware
- Meets current SAE #H1738-2 specifications
- Vibration-resistant ratchet design (die cast coupler)

3.76
1.75
M12x1 THREADS
0.70
0.64
0.64
2.00
M12x1 THREADS
M12x1 THREADS
0.64
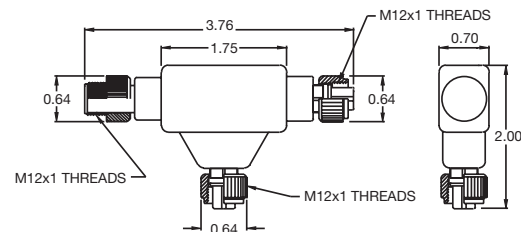
3-pole: 5A, 300V
3 conductor 18 AWG

AC dual key pin configurations and color coding:

Female faces	Male faces	Conductor color coding
3-Pole Dual Key AC Female	3-Pole Dual Key AC Male	**Standard** 1. GRN 2. RED/BLK 3. RED/WHT

DC single key pin configurations and color coding:

Female faces	Male faces	Conductor color coding
3-Pole DC Single Key Female	3-Pole DC Single Key Male	**Euro DC** 1. BRN 2. N/C 3. BLU 4. BLK 5. N/C

DC single key field attachables

Features:

- Field attachable connectors allow users to quickly repair damaged molded cordsets
- Allow users to create custom cordset lengths using their own cable
- Optional 316 stainless steel couplers support food and beverage applications
- Easy to use set screw terminals provide secure conductor to contact termination

**DF4C1
female DC
field attachable**

Certifications and compliances:

- NEMA 1, 3, 4, 6P, 13
- IEC IP68
- UL recognized, cURus File No. E169897

DC single key field attachable

- PG7 and PG9 thread (grommet) sizes
- Female and male in-line versions
- Straight configuration
- Terminal screw attachments
- Meets current SAE #H1738-2 specifications

2.41 APPROX.
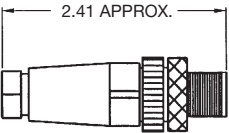
4-pole: 4A, 300V; 5-pole: 3A, 300V
4, 5 conductor

DC single key pin configurations and color coding:

Female faces

4-Pole DC Single Key Female
5-Pole DC Single Key Female

Male faces

4-Pole DC Single Key Male
5-Pole DC Single Key Male

Conductor color foding	Euro DC	Euro DC
	1. BRN	1. BRN
	2. WHT	2. WHT
	3. BLU	3. BLU
	4. BLK	4. BLK
	5. N/C	5. GRY

Ordering information – field attachables:

Part number example

DF4B1

DF 4 B 1

Product type

DF	Micro-Mini DC field attachable

Cable range

1	4-6mm (PG7)
2	6-8mm (PG9)

Number of poles

4	4-pole
5	5-pole

Gender and configuration

B	Male in-line, external thread, straight
C	Female, internal thread, straight

Ordering information – accessories:

DC single key caps

Cat. #	Description
DMC	Cap for Micro-Mini AC single key, male, internal thread
DFC	Cap for Micro-Mini AC single key, female, external thread

EATON CROUSE-HINDS SERIES

LynxPOWER passive Micro-Mini 4-port plex boxes
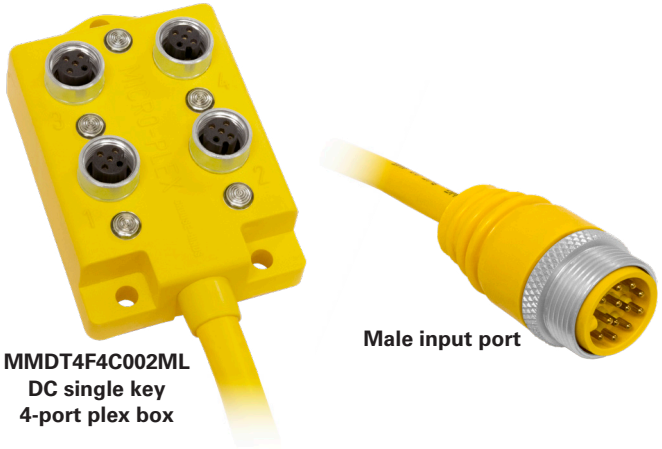
Features:

- Allow for consolidation of signal into one cable, reducing the number of cables needed
- PNP wiring configuration with LED indicator lights
- 4-port and 8-port output options standard

Certifications and compliances:

- NEMA 1, 3, 4, 6P, 13
- IEC IP68
- UL recognized, cURus File No. E169897
- CSA certified, File No. LR13963

**MMDT4F4C002ML
DC single key
4-port plex box**

Male input port

Ordering information:

Cat. #	No. of ports	Output port gender	Output port no. of holes	Wiring configuration	Input port gender	Input port no. of holes	Voltage
MMDT4F4A002ML	4	Female	4	Parallel	Male	12	300 VDC
MMDT4F4C002ML	4	Female	4	PNP	Male	12	10-30 VDC

Dimensions:

3.25

2.87

INPUT CABLE LENGTH
0.2 METERS

4 2

MICRO-PLEX Crouse-Hinds

2.00

Ø1.25

1.30

GREEN POWER ON LED

3 1

YELLOW PORT FUNCTION LED 4 PLACES

3 HOLES FOR
#10 MOUNTING SCREWS

MALE CONNECTOR FACE VIEW

#8 N/C
#9 GREEN YEL. TR.
#1 WHITE
#12 N/C
#2 GREEN
#7 N/C
#10 BROWN
#6 N/C
#3 YELLOW
#11 BLUE
#4 GRAY
#5 N/C

2.13

.78

DC single key pin configurations and color coding:

Female faces

**4-Pole
DC Single Key
Female**

Male faces

**4-Pole
DC Single Key
Male**

Conductor color coding

Euro DC
1. BRN
2. WHT
3. BLU
4. BLK
5. N/C

LynxPOWER passive Micro-Mini 8-port plex boxes

Features:

- Allow for consolidation of signal into one cable, reducing the number of cables needed
- PNP wiring configuration with LED indicator lights
- 4-port and 8-port output options standard

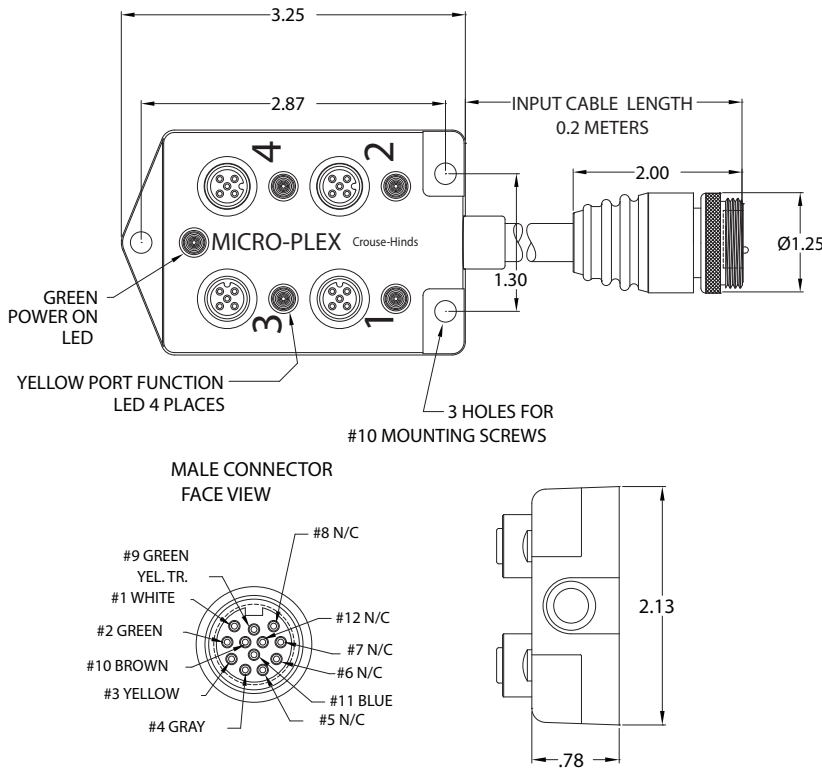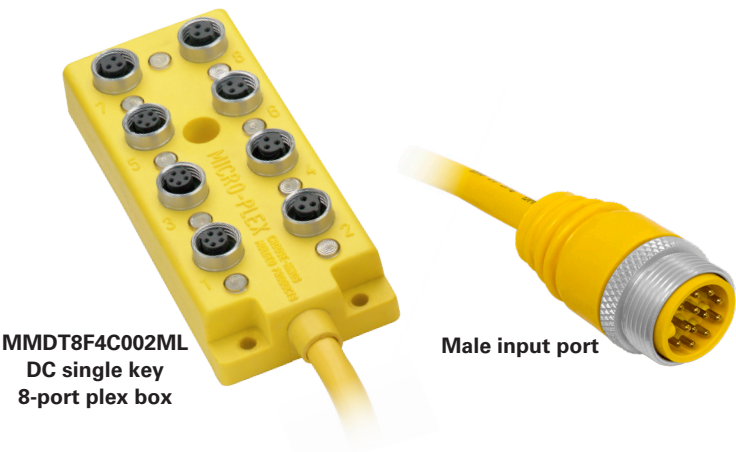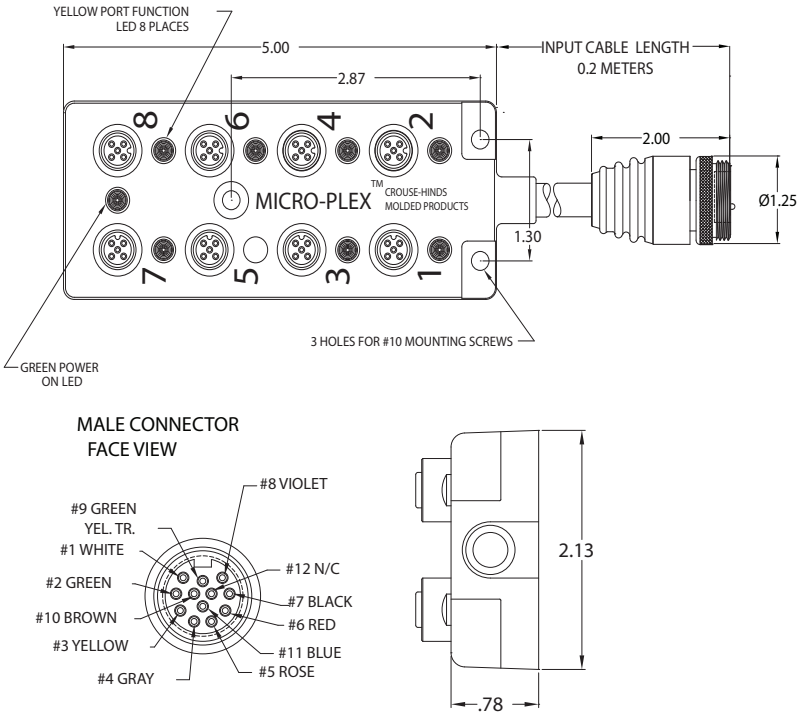## Certifications and compliances:

- NEMA 1, 3, 4, 6P, 13
- IEC IP68
- UL recognized, cURus File No. E169897
- CSA certified, File No. LR13963

MMDT8F4C002ML
DC single key
8-port plex box

Male input port

Ordering information:

Cat. #	No. of ports	Output port gender	Output port no. of holes	Wiring configuration	Input port gender	Input port no. of holes	Voltage
MMDT8F4A002ML	8	Female	4	Parallel	Male	12	300 VDC
MMDT8F4C002ML	8	Female	4	PNP	Male	12	10-30 VDC

Dimensions:

YELLOW PORT FUNCTION
LED 8 PLACES

5.00

2.87

INPUT CABLE LENGTH
0.2 METERS

2.00

8 6 4 2

MICRO-PLEX™ CROUSE-HINDS MOLDED PRODUCTS

Ø1.25

1.30

7 5 3 1

3 HOLES FOR #10 MOUNTING SCREWS

GREEN POWER
ON LED

MALE CONNECTOR FACE VIEW

#9 GREEN YEL. TR.
#1 WHITE
#8 VIOLET
#2 GREEN
#12 N/C
#10 BROWN
#7 BLACK
#3 YELLOW
#6 RED
#4 GRAY
#11 BLUE
#5 ROSE

2.13

.78

DC single key pin configurations and color coding:

Female faces

4-Pole DC Single Key Female

Male faces

4-Pole DC Single Key Male

Conductor color coding

Euro DC
1. BRN
2. WHT
3. BLU
4. BLK
5. N/C

EAT·N CROUSE-HINDS SERIES