

SENSOR

SERIES

M5/M8/M12 Connectors

Connector standards have been in market for many years, M8/M12 connectors are adopted and considered the sensor standard throughout the industrial and automation market place. M5 connectors are the most compact type and suitable for miniature -space applications.

Available in different pole configurations, ODS M5/M8/M12 Connectors are IEC compliant products that are designed to withstand harsh-industrial and weather environments with superior quality that assures very reliable connections for control elements in automated equipment.

As the number of applications grew, so did the variations of the M5/M8/M12. IEC61076-2 spelled out different types of "coding" needed to ensure proper connection within specific applications.

M8 CODINGS

A-Code	General sensor/actuator connections, DeviceNet, CANOpen
B-Code	Sensor connections (including AC sensors) for PROFIBUS Fieldbus protocols
F-Key	Variety of other uses

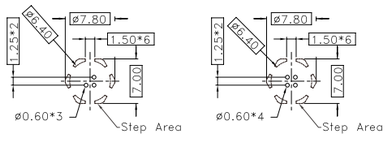
M12 CODINGS

A-Code	A-Code General sensor/ actuator connections, DeviceNet, CANOpen
B-Code	Sensor connections (including AC sensors) for PROFIBUS Fieldbus protocols
D-Code	Industrial Ethernet, Profinet, Ethernet I/O and EtherCat
X-Code	Cat6A, high-speed 10Gbit rugged industrial Ethernet applications IEC 61076-2-109
L-Code	Used for DC power supply in accordance Profinet; Up to 16 A / 63 V DC in accordance with IEC 61076-2-111
K-Code	Used for AC applications such as connecting the power cable on a three-phase motor; Up to 12 A / 630 V AC in accordance with IEC 61076-2-111
S-Code	Designed for AC power supplies with up to 12A / 630 V AC, making it the ideal solution as a power connection for AC motors and drives; in accordance with IEC 61076-2-111
T-Code	Designed for DC power supplies with 12 A / 63 V DC, which works well for low-voltage applications, such as power supplies for fieldbus Ethernet components; in accordance with IEC 61076-2-111

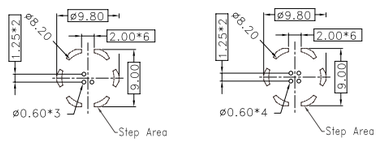
PCB LAYOUT

M5

Male Pin



Female Pin



WIRE COLOR PIN ASSIGNMENT

M5

Male



Female





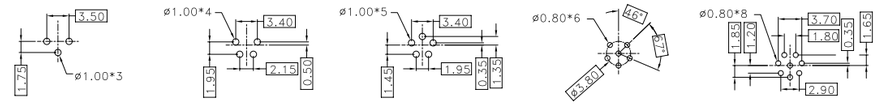
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M8/M12 Connectors

PCB LAYOUT

M8

Male Pin
Female Pin



WIRE COLOR PIN ASSIGNMENT

M8

Male

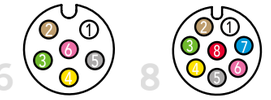


Female

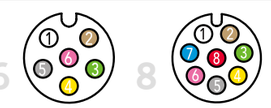


1 = Brown 2 = White 3 = Blue 4 = Black 5 = Green

Male



Female

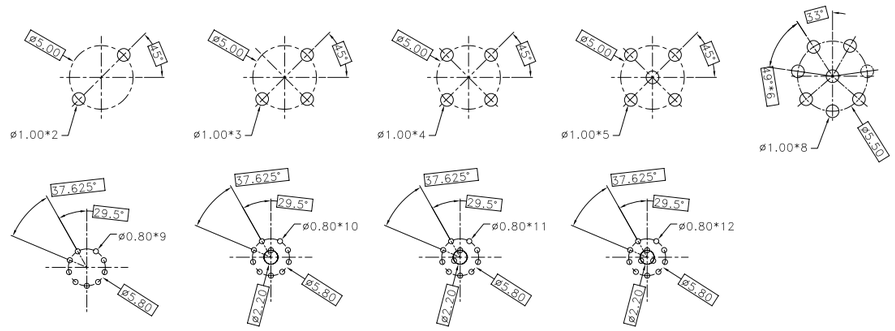


1 = White 2 = Brown 3 = Green 4 = Yellow
5 = Grey 6 = Pink 7 = Blue 8 = Red

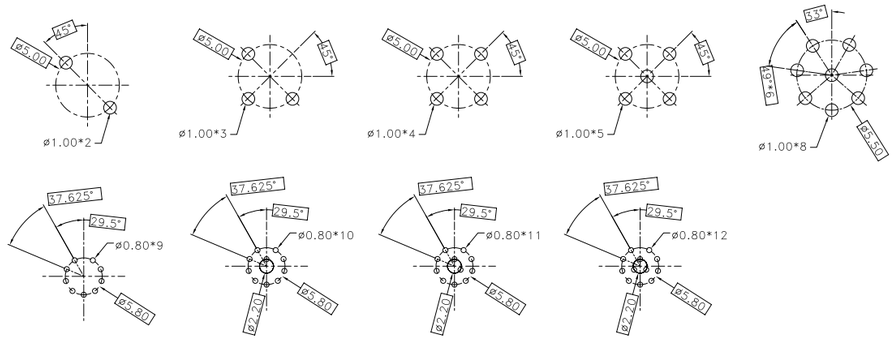
PCB LAYOUT

M12
A,B,D CODE

Male Pin



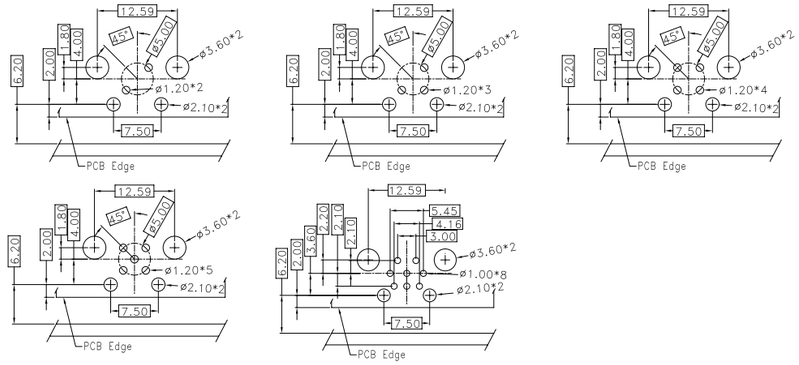
Female Pin



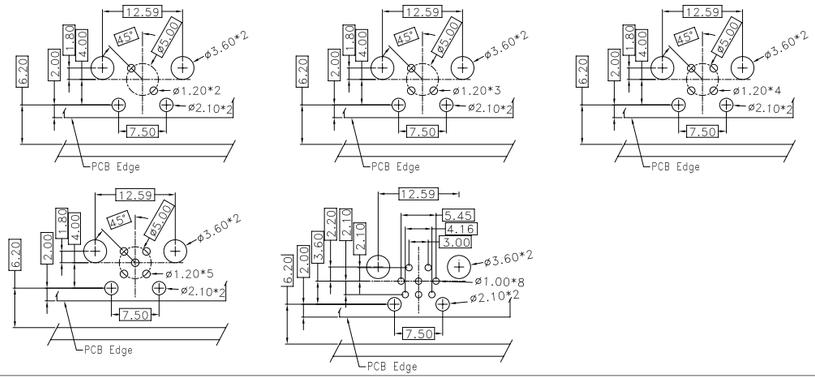
PCB LAYOUT

M12
A,B,D CODE
Plastic Right Angle

Male Pin

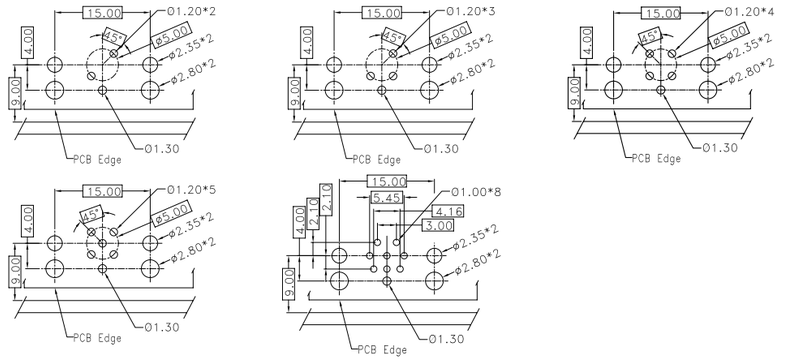


Female Pin

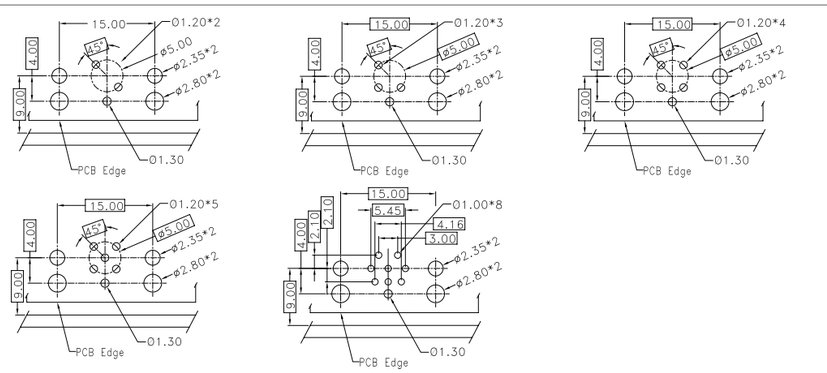


M12
A,B,D CODE
Metal Right Angle

Male Pin



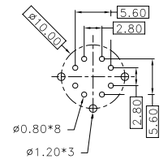
Female Pin



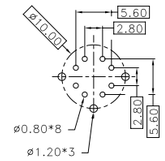
PCB LAYOUT

M12
X CODE

Male Pin

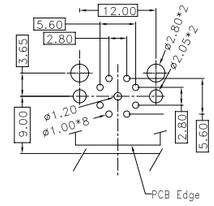


Female Pin



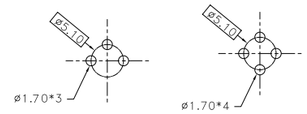
M12
X CODE
Right Angle
Female Pin

Female Pin

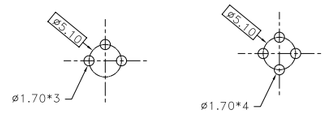


M12
S,T CODE

Male Pin

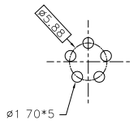


Female Pin

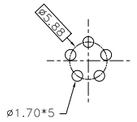


M12
L CODE

Male Pin



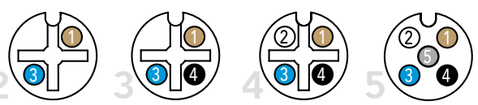
Female Pin



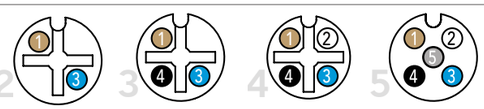
WIRE COLOR PIN ASSIGNMENT

M12

Male



Female



1 = Brown 2 = White 3 = Blue 4 = Black 5 = Grey

Male



Female



1 = White 2 = Brown 3 = Green 4 = Yellow
5 = Grey 6 = Pink 7 = Blue 8 = Red

Male



Female



1 = Brown 2 = Blue 3 = White 4 = Green 5 = Pink 6 = Yellow 7 = Black 8 = Grey 9 = Red
10 = Purple 11 = Grey/Pink 12 = Red/Blue

ODS Electronics Sensor
Quality Products Innovative Solution

M12 Connectors

WIRE COLOR PIN ASSIGNMENT

M12

Male









Female









1 = Brown 2 = White 3 = Blue 4 = Black 5 = Grey

1 = Yellow 2 = White 3 = Orange 4 = Blue

1 = Orange/White 2 = Orange
3 = Green/White 4 = Green 5 = Brown/White
6 = Brown 7 = Blue/White 8 = Blue

Male









Female









1 = Brown 2 = White 3 = Blue 4 = Black

1 = Brown 2 = White 3 = Blue 4 = Black

Male













Female













1 = Brown 2 = White 3 = Blue 4 = Black 5(FE) = Pink

M12 High Speed X-Code Receptacle

Product Specifications

General Data

Number of Positions	8P
Coding	X-Coding
Contact Housing	Nylon +GF
Shell / Screw Nut	Zinc Alloy, Nickel Plated
Terminal	Copper Alloy, Gold Plated

Electrical Data

Current Rating	0.5A
Voltage Rating	AC 50V / DC 60V
Contact Resistance	≦ 15mΩ
Insulation Resistance	≧ 100MΩ at DC 500V
Withstanding Voltage	AC 500V/1 Minute
Standard	IEC61076-2-109

Environmental Data

Mating Style	Screw Thread
Max Panel Thickness	4.5mm (Without Cap Chain)
Temperature Range	-40℃ ~ +90℃
Salt Spray	48 hr.
Protection Class	IPX8
Durability	100 Times
Transmission Category	EtherNet CAT6A to TIA-568

How to Order

MDKPX 08 XKK – SHX8XXX

Coding
K – X Code

Connector Gender
F – Female
M – Male

Number of Contacts
08

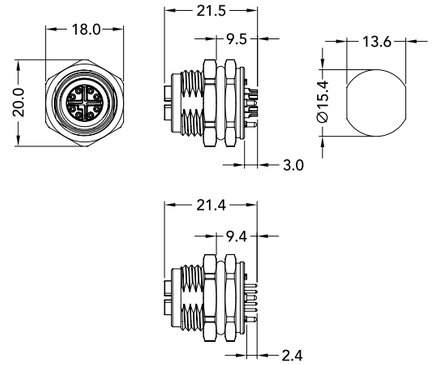
Contact Type
F – Female
M – Male

Assembly Style
S – Solder Type
P – PCB Straight Type
R – PCB Right Angle Type

Serial Number

M12 X-Code Receptacle Front Fastened, IPX8





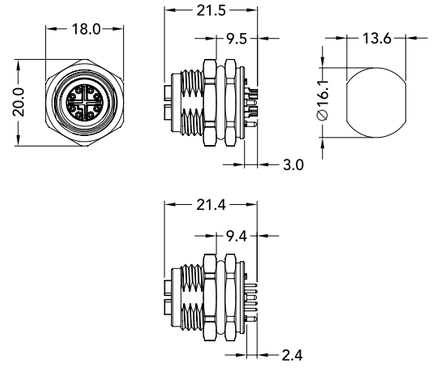
Features and Benefits

- **Female Connector, Female Pin**
- IEC compliant M12 X-coded panel mount receptacles in PG9 Thread
- Available in dip solder or thru-hole (THT) contacts
- 4 twin data transmission up to 10 Gbit/s
- Fully shielded for high noise immunity

Part Number	Contact	Current	Voltage	Ass'y Type	Mounting
MDKPF08FKK-SHP8001	8Pin	0.5A	AC 50V / DC 60V	PCB Straight	PG9
MDKPF08FKK-SHS8001	8Pin	0.5A	AC 50V / DC 60V	Solder	PG9

M12 X-Code Receptacle Front Fastened, IPX8





Features and Benefits

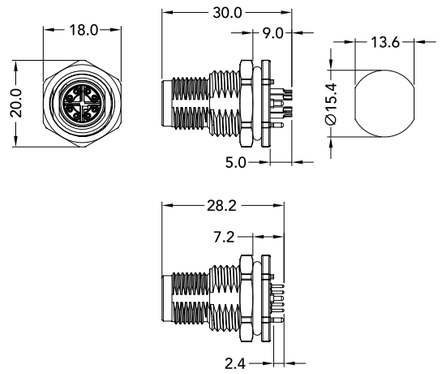
- **Female Connector, Female Pin**
- IEC compliant M12 X-coded panel mount receptacles in M16 Thread
- Available in dip solder or thru-hole (THT) contacts
- 4 twin data transmission up to 10 Gbit/s
- Fully shielded for high noise immunity

Part Number	Contact	Current	Voltage	Ass'y Type	Mounting
MDKPF08FKK-SHP8002	8Pin	0.5A	AC 50V / DC 60V	PCB Straight	M16
MDKPF08FKK-SHS8002	8Pin	0.5A	AC 50V / DC 60V	Solder	M16

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M12 X-Code Receptacle Front Fastened, IPX8





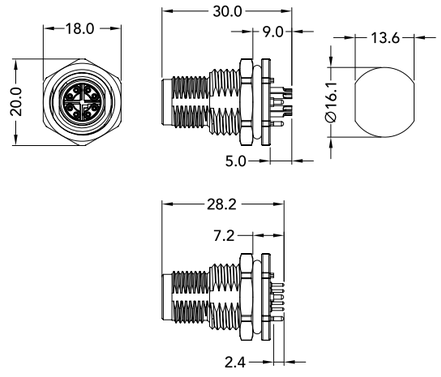
Features and Benefits

- **Male Connector, Male Pin**
- IEC compliant M12 X-coded panel mount receptacles in PG9 Thread
- Available in dip solder or thru-hole (THT) contacts
- 4 twin data transmission up to 10 Gbit/s
- Fully shielded for high noise immunity

Part Number	Contact	Current	Voltage	Ass'y Type	Mounting
MDKPM08MKK-SHP8001	8Pin	0.5A	AC 50V / DC 60V	PCB Straight	PG9
MDKPM08MKK-SHS8001	8Pin	0.5A	AC 50V / DC 60V	Solder	PG9

M12 X-Code Receptacle Front Fastened, IPX8





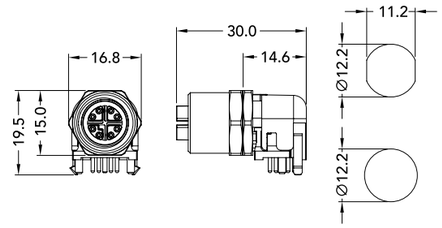
Features and Benefits

- **Male Connector, Male Pin**
- IEC compliant M12 X-coded panel mount receptacles in M16 Thread
- Available in dip solder or thru-hole (THT) contacts
- 4 twin data transmission up to 10 Gbit/s
- Fully shielded for high noise immunity

Part Number	Contact	Current	Voltage	Ass'y Type	Mounting
MDKPM08MKK-SHP8003	8Pin	0.5A	AC 50V / DC 60V	PCB Straight	M16
MDKPM08MKK-SHS8003	8Pin	0.5A	AC 50V / DC 60V	Solder	M16

M12 X-Code Receptacle Front Fastened, IPX8 (Mated)





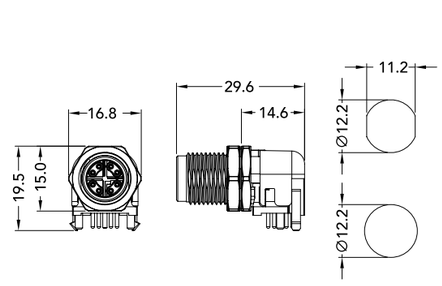
Features and Benefits

- **Female Connector, Female Pin**
- IEC compliant M12 X-coded panel mount receptacles in M12 Thread
- Available in dip solder or thru-hole (THT) contacts
- 4 twin data transmission up to 10 Gbit/s
- Fully shielded for high noise immunity

Part Number	Contact	Current	Voltage	Ass'y Type	Mounting
MDKPF08FKK-SHR801A	8Pin	0.5A	AC 50V / DC 60V	PCB Right Angle	M12 Thk 1.5mm Max.
MDKPF08FKK-SHR802A	8Pin	0.5A	AC 50V / DC 60V	PCB Right Angle	M12 Thk 1.5~3.0mm+Cover

M12 X-Code Receptacle Front Fastened, IPX8 (Mated)





Features and Benefits

- **Male Connector, Male Pin**
- IEC compliant M12 X-coded panel mount receptacles in M12 Thread
- Available in dip solder or thru-hole (THT) contacts
- 4 twin data transmission up to 10 Gbit/s
- Fully shielded for high noise immunity

Part Number	Contact	Current	Voltage	Ass'y Type	Mounting
MDKPM08MKK-SHR801A	8Pin	0.5A	AC 50V / DC 60V	PCB Right Angle	M12+Cover

M12 High Speed X-Code Receptacle (with Cable)

Product Specifications

General Data

Number of Positions	8P
Coding	X-Coding
Contact Housing	Nylon +GF
Shell / Screw Nut	Zinc Alloy, Nickel Plated
Terminal	Copper Alloy, Gold Plated

Electrical Data

Current Rating	0.5A
Voltage Rating	AC 50V / DC 60V
Contact Resistance	≦ 15mΩ With Plug ≦ 20mΩ
Withstanding Voltage	AC 500V/1 Minute
Standard	IEC61076-2-109

Environmental Data

Mating Style	Screw Thread
Max Panel Thickness	4.5mm (Without Cap Chain)
Temperature Range	-20℃ ~ +80℃
Salt Spray	48 hr.
Protection Class	IPX8 (Mated)
Durability	100 Times
Transmission Category	EtherNet CAT6A to TIA-568

How to Order

MDKPX 08 XKK – SHX8XXX

Coding
K – X Code

Connector Gender
F – Female
M – Male

Number of Contacts
08

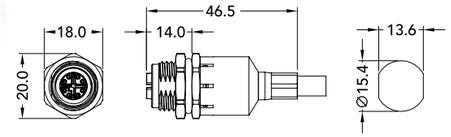
Contact Type
F – Female
M – Male

Panel Mounting Style
C – PG9
M – M16

Cable Type / Length (M)
F01~F99
G01~G99
H01~H99
K01~K99

M12 X-Code Receptacle Front Fastened, IPX8 (Mated)





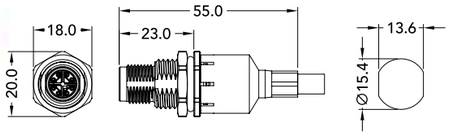
Features and Benefits

- **Female Connector, Female Pin**
- IEC compliant M12 X-coded panel mount receptacles in PG9 Thread
- 4 twin data transmission up to 10 Gbit/s
- Fully shielded for high noise immunity

Part Number	Contact	Current	Voltage	Ass'y Type	Mounting
MDKPF08FKK-SHC8FXX	8Pin	0.5A	AC 50V / DC 60V	Cable End Cut	PG9
MDKPF08FKK-SHC8GXX	8Pin	0.5A	AC 50V / DC 60V	Cable End Cut	PG9
MDKPF08FKK-SHC8HXX	8Pin	0.5A	AC 50V / DC 60V	Cable End Plug	PG9
MDKPF08FKK-SHC8KXX	8Pin	0.5A	AC 50V / DC 60V	Cable End Plug	PG9

M12 X-Code Receptacle Front Fastened, IPX8 (Mated)





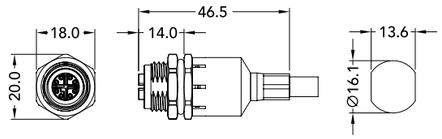
Features and Benefits

- **Male Connector, Male Pin**
- IEC compliant M12 X-coded panel mount receptacles in PG9 Thread
- 4 twin data transmission up to 10 Gbit/s
- Fully shielded for high noise immunity

Part Number	Contact	Current	Voltage	Ass'y Type	Mounting
MDKPM08MKK-SHC8FXX	8Pin	0.5A	AC 50V / DC 60V	Cable End Cut	PG9
MDKPM08MKK-SHC8GXX	8Pin	0.5A	AC 50V / DC 60V	Cable End Cut	PG9
MDKPM08MKK-SHC8HXX	8Pin	0.5A	AC 50V / DC 60V	Cable End Plug	PG9
MDKPM08MKK-SHC8KXX	8Pin	0.5A	AC 50V / DC 60V	Cable End Plug	PG9

M12 X-Code Receptacle Front Fastened, IPX8 (Mated)





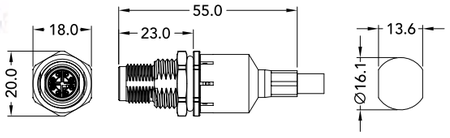
Features and Benefits

- **Female Connector, Female Pin**
- IEC compliant M12 X-coded panel mount receptacles in M16 Thread
- 4 twin data transmission up to 10 Gbit/s
- Fully shielded for high noise immunity

Part Number	Contact	Current	Voltage	Ass'y Type	Mounting
MDKPF08FKK-SHM8FXX	8Pin	0.5A	AC 50V / DC 60V	Cable End Cut	M16
MDKPF08FKK-SHM8GXX	8Pin	0.5A	AC 50V / DC 60V	Cable End Cut	M16
MDKPF08FKK-SHM8HXX	8Pin	0.5A	AC 50V / DC 60V	Cable End Plug	M16
MDKPF08FKK-SHM8KXX	8Pin	0.5A	AC 50V / DC 60V	Cable End Plug	M16

M12 X-Code Receptacle Front Fastened, IPX8 (Mated)





Features and Benefits

- **Male Connector, Male Pin**
- IEC compliant M12 X-coded panel mount receptacles in M16 Thread
- 4 twin data transmission up to 10 Gbit/s
- Fully shielded for high noise immunity

Part Number	Contact	Current	Voltage	Ass'y Type	Mounting
MDKPM08MKK-SHM8FXX	8Pin	0.5A	AC 50V / DC 60V	Cable End Cut	M16
MDKPM08MKK-SHM8GXX	8Pin	0.5A	AC 50V / DC 60V	Cable End Cut	M16
MDKPM08MKK-SHM8HXX	8Pin	0.5A	AC 50V / DC 60V	Cable End Plug	M16
MDKPM08MKK-SHM8KXX	8Pin	0.5A	AC 50V / DC 60V	Cable End Plug	M16

M12 High Speed X-Code Cable Assembly

Product Specifications

General Data

Number of Positions	8P
Coding	X-Coding
Contact Housing	Nylon +GF
Screw Nut	Zinc Alloy, Nickel Plated
Terminal	Copper Alloy, Gold Plated

Electrical Data

Current Rating	0.5A
Voltage Rating	AC 50V / DC 60V
Contact Resistance	≦ 15mΩ With Plug ≦ 20mΩ
Withstanding Voltage	AC 500V/1 Minute
Standard	IEC61076-2-109

Environmental Data

Mating Style	Screw Thread
Temperature Range	-20℃ ~ +80℃
Salt Spray	48 hr.
Protection Class	IPX7 (Mated)
Durability	100 Times
Transmission Category	EtherNet CAT6A to TIA-568

How to Order

MSKBX 08 XKK – SLC7XXX

Coding
K – X Code

Connector Gender
F – Female
M – Male

Number of Contacts
08

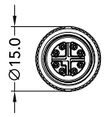
Contact Type
F – Female
M – Male

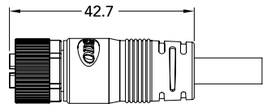
Cable Type / Length (M)
F01~F99
G01~G99
H01~H99
K01~K99

Quality Products Innovative Solution

M12 X-Code Cable Assembly Straight, IPX7 (Mated)







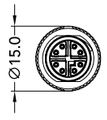
Features and Benefits

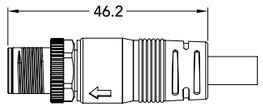
- **Female Connector, Female Pin**
- IEC compliant M12 X-coded cable assemblies with threaded couplers
- 4 twin data transmission up to 10 Gbit/s
- Fully shielded for high noise immunity

Part Number	Contact	Current	Voltage	Ass'y Type
MSKBF08FKK-SLC7FXX	8Pin	0.5A	AC 50V / DC 60V	Cable End Cut
MSKBF08FKK-SLC7GXX	8Pin	0.5A	AC 50V / DC 60V	Cable End Cut
MSKBF08FKK-SLC7HXX	8Pin	0.5A	AC 50V / DC 60V	Cable End Plug
MSKBF08FKK-SLC7KXX	8Pin	0.5A	AC 50V / DC 60V	Cable End Plug

M12 X-Code Cable Assembly Straight, IPX7 (Mated)







Features and Benefits

- **Male Connector, Male Pin**
- IEC compliant M12 X-coded cable assemblies with threaded couplers
- 4 twin data transmission up to 10 Gbit/s
- Fully shielded for high noise immunity

Part Number	Contact	Current	Voltage	Ass'y Type
MSKBM08MKK-SLC7FXX	8Pin	0.5A	AC 50V / DC 60V	Cable End Cut
MSKBM08MKK-SLC7GXX	8Pin	0.5A	AC 50V / DC 60V	Cable End Cut
MSKBM08MKK-SLC7HXX	8Pin	0.5A	AC 50V / DC 60V	Cable End Plug
MSKBM08MKK-SLC7KXX	8Pin	0.5A	AC 50V / DC 60V	Cable End Plug

M12 High Speed X-Code Field Installable IDC

Product Specifications

General Data

Number of Positions	8P
Coding	X-Coding
Contact Housing	Nylon +GF
Screw Nut	Zinc Alloy, Nickel Plated
Terminal	Copper Alloy, Gold Plated

Electrical Data

Current Rating	0.5A
Voltage Rating	AC 50V / DC 60V
Contact Resistance	≦ 15mΩ
Insulation Resistance	≧ 100MΩ at DC 500V
Withstanding Voltage	AC 500V/1 Minute
Standard	IEC61076-2-109

Environmental Data

Mating Style	Screw Thread
Insulation Diameter	Φ0.9~Φ1.13mm
Cable OD	Φ5.5~Φ8.0mm
Temperature Range	-25℃ ~ +85℃
Salt Spray	48 hr.
Protection Class	IPX7 (Mated)
Durability	100 Times
Transmission Category	EtherNet CAT6A to TIA-568
Mode of Connection	Insulation Displacement Connection Technology

How to Order

MSKDX 08 XKK – SLD7XXX

Coding
K – X Code

Connector Gender
F – Female
M – Male

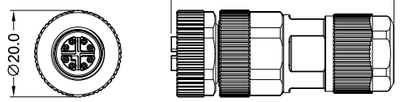
Number of Contacts
08

Contact Type
F – Female
M – Male

Serial Number

M12 X-Code Field Installable IDC Straight, IPX7 (Mated)





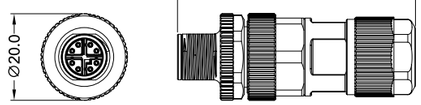
Features and Benefits

- **Female Connector, Female Pin**
- IEC compliant M12 X-coded connector
- IDC connection for fast and reliable installations
- 4 twin data transmission up to 10 Gbit/s
- Fully shielded for high noise immunity

Part Number	Contact	Current	Voltage	Cable Range
MSKDF08FKK-SLD7001	8Pin	0.5A	AC 50V / DC 60V	Φ5.5mm~Φ8.0mm

M12 X-Code Field Installable IDC Straight, IPX7 (Mated)





Features and Benefits

- **Male Connector, Male Pin**
- IEC compliant M12 X-coded connector
- IDC connection for fast and reliable installations
- 4 twin data transmission up to 10 Gbit/s
- Fully shielded for high noise immunity

Part Number	Contact	Current	Voltage	Cable Range
MSKDM08MKK-SLD7001	8Pin	0.5A	AC 50V / DC 60V	Φ5.5mm~Φ8.0mm

M12 Field Installable in IDC

Assembly Instructions



1



Insert the cable through the sealing nut,clip, seal, body.

2



Strip the cable sheath.

3



Insert cable wire and braid hook to housing.

4



Tape the braid.

5



Assemble with semi-finished products

6



Screw the body.

7



Insert the Seal.

8



Insert the Clip.

9



Connect the sealing nut and tighten using hand tool (optional) or your hand while holding ass'y.

M12 Accessory (Adaptor)

Product Specifications

General Data

Number of Positions	4P, 5P, 8P
Coding	A, B, D-Coding, X-Coding
Contact Housing	Nylon +GF
Shell / Screw Nut	Zinc Alloy, Nickel Plated or Nylon+GF
Terminal	Copper Alloy, Gold Plated

Electrical Data

Current Rating	A- B- D- Coding (4/5P): 5A X-Coding (8P): 0.5A
Voltage Rating	4P: 250V 5P: 60V 8P: AC 50V / DC 60V
Contact Resistance	A- B- D- Coding: ≦ 10mΩ X-Coding: ≦ 15mΩ X-Code to RJ45 Adaptor: ≦ 35mΩ
Insulation Resistance	≧ 100MΩ at DC 500V
Withstanding Voltage	4P: AC 1400V/1 Minute 5P: AC 1000V/1 Minute 8P: AC 500V/1 Minute
Standard	A- B- D- Coding: IEC 61076-2-101 X-Coding: IEC61076-2-109

Environmental Data

Mating Style	Screw Thread
Temperature Range	-20℃ ~ +80℃ X-Code to RJ45 Adaptor: -40℃ ~ +90℃ X-Code Inline Adaptor: -40℃ ~ +90℃
Salt Spray	48 hr.
Protection Class	IPX7 (Mated) or IPX8 (Mated)
Durability	100 Times
Max Panel Thickness X-Code to RJ45 Adaptor, X-Code Inline Adaptor	4.5mm (Without Cap Chain)

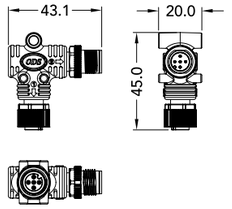
How to Order

MXX - X X X X XXXX XXXX XXX

- MXX — Series
  - MA – Cable Metal Nut
  - MP – Cable Plastic Nut
  - MD – Panel Metal Nut
- Style
  - W – More Way Adaptor
  - L – Inline Adaptor
  - T – Tee Adaptor
  - E – Elbow Adaptor
  - Y - Y Type Adaptor
- Coding
  - A – A Code
  - B – B Code
  - D – D Code
  - K – X Code
  - R – RJ45
- Connector Gender
  - F – Female
  - M – Male
- Connector Set
  - 1, 2, 3, 4
- Number of Contacts
  - 04, 05, 08
- Backbone Direction 1
- Backbone Direction 2
- Drop Direction 3
- Serial Number

M12 Adaptor (Metal Nut) Elbow Adaptor, IPX7 (Mated)





Features and Benefits

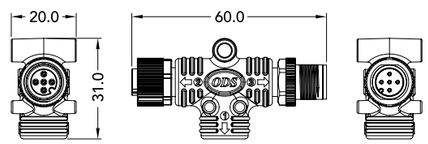
- Elbow Adaptor easily connects to a tee or double-ended cordsets making 90 turns at the end or anywhere along the system
- Provides neat connections along the network
- A, B, & D-Coded available to fit industry applications

Part Number	Code	Contact	Current	Voltage
MAE-AM14AF140000001	A Code	4Pin	5A	250V
MAE-AM15AF150000001	A Code	5Pin	5A	60V
MAE-BM14BF140000001	B Code	4Pin	5A	250V

Part Number	Code	Contact	Current	Voltage
MAE-BM15BF150000001	B Code	5Pin	5A	60V
MAE-DM14DF140000001	D Code	4Pin	5A	250V
MAE-DM15DF150000001	D Code	5Pin	5A	60V

M12 Adaptor (Metal Nut) Inline Adaptor, IPX7 (Mated)





Features and Benefits

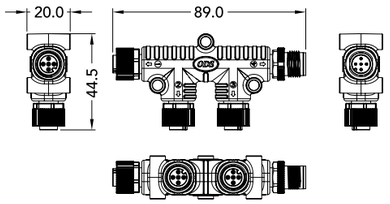
- Inline Adaptor easily swaps connector gender to desired connector type
- Provides neat connections along the network
- A, B, & D-Coded available to fit industry applications

Part Number	Code	Contact	Current	Voltage
MAL-AM14AF140000001	A Code	4Pin	5A	250V
MAL-AM15AF150000001	A Code	5Pin	5A	60V
MAL-BM14BF140000001	B Code	4Pin	5A	250V

Part Number	Code	Contact	Current	Voltage
MAL-BM15BF150000001	B Code	5Pin	5A	60V
MAL-DM14DF140000001	D Code	4Pin	5A	250V
MAL-DM15DF150000001	D Code	5Pin	5A	60V

M12 Adaptor (Metal Nut) 2-Way Adaptor, IPX7 (Mated)





Features and Benefits

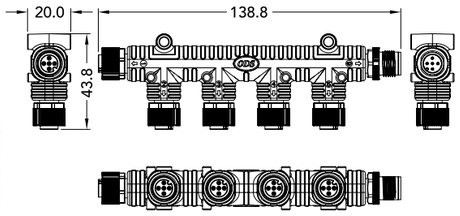
- 2-Way Adaptor allow several drop cables to be consolidated and connected back to the trunk
- Provides neat connections along the network
- A, B, & D-Coded available to fit industry applications

Part Number	Code	Contact	Current	Voltage
MAW-AM14AF14AF24001	A Code	4Pin	5A	250V
MAW-AM15AF15AF25001	A Code	5Pin	5A	60V
MAW-BM14BF14BF24001	B Code	4Pin	5A	250V

Part Number	Code	Contact	Current	Voltage
MAW-BM15BF15BF25001	B Code	5Pin	5A	60V
MAW-DM14DF14DF24001	D Code	4Pin	5A	250V
MAW-DM15DF15DF25001	D Code	5Pin	5A	60V

M12 Adaptor (Metal Nut) 4-Way Adaptor, IPX7 (Mated)





Features and Benefits

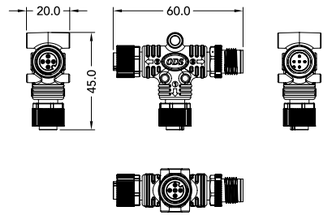
- 4-Way Adaptor allow several drop cables to be consolidated and connected back to the trunk
- Provides neat connections along the network
- A, B, & D-Coded available to fit industry applications

Part Number	Code	Contact	Current	Voltage
MAW-AM14AF14AF44001	A Code	4Pin	5A	250V
MAW-AM15AF15AF45001	A Code	5Pin	5A	60V
MAW-BM14BF14BF44001	B Code	4Pin	5A	250V

Part Number	Code	Contact	Current	Voltage
MAW-BM15BF15BF45001	B Code	5Pin	5A	60V
MAW-DM14DF14DF44001	D Code	4Pin	5A	250V
MAW-DM15DF15DF45001	D Code	5Pin	5A	60V

M12 Adaptor (Metal Nut) Tee Adaptor, IPX7 (Mated)





Features and Benefits

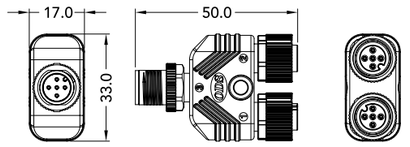
- Tee Adaptor allows for a drop connection
- Provides neat connections along the network
- A, B, & D-Coded available to fit industry applications

Part Number	Code	Contact	Current	Voltage
MAT-AM14AF14AF14001	A Code	4Pin	5A	250V
MAT-AM15AF15AF15001	A Code	5Pin	5A	60V
MAT-AM14AM14AF14001	A Code	4Pin	5A	250V
MAT-AM15AM15AF15001	A Code	5Pin	5A	60V
MAT-BM14BF14BF14001	B Code	4Pin	5A	250V
MAT-BM15BF15BF15001	B Code	5Pin	5A	60V

Part Number	Code	Contact	Current	Voltage
MAT-BM14BM14BF14001	B Code	4Pin	5A	250V
MAT-BM15BM15BF15001	B Code	5Pin	5A	60V
MAT-DM14DF14DF14001	D Code	4Pin	5A	250V
MAT-DM15DF15DF15001	D Code	5Pin	5A	60V
MAT-DM14DM14DF14001	D Code	4Pin	5A	250V
MAT-DM15DM15DF15001	D Code	5Pin	5A	60V

M12 Adaptor (Metal Nut) Y Adaptor, IPX7 (Mated)





Features and Benefits

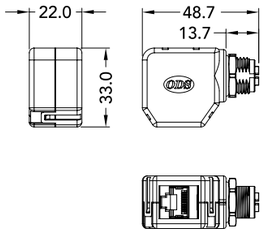
- Y Adaptor allows for a drop connection
- Provides neat connections along the network
- A, B, & D-Coded available to fit industry applications

Part Number	Code	Contact	Current	Voltage
MAY-AM14AF240000001	A Code	4Pin	5A	250V
MAY-AM15AF250000001	A Code	5Pin	5A	60V
MAY-BM14BF240000001	B Code	4Pin	5A	250V

Part Number	Code	Contact	Current	Voltage
MAY-BM15BF250000001	B Code	5Pin	5A	60V
MAY-DM14DF240000001	D Code	4Pin	5A	250V
MAY-DM15DF250000001	D Code	5Pin	5A	60V

M12 Adaptor (Metal Nut) A.B.D.X-Code to RJ45 Adaptor, IPX8 (Mated)





Features and Benefits

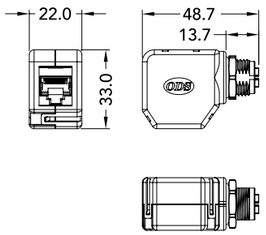
- **90° Female Connector to RJ45 Jack**
- Provides neat connections along the network
- Ensure secure data transmission in high noise (EMI/RFI) environment
- Fully shielded for high noise immunity

Part Number	Code	Conatct	Current	Voltage
MDE-AF14RF180000001	A Code	4Pin	0.5A	AC 50V / DC 60V
MDE-AF15RF180000001	A Code	5Pin	0.5A	AC 50V / DC 60V
MDE-AF18RF180000001	A Code	8Pin	0.5A	AC 50V / DC 60V
MDE-BF14RF180000001	B Code	4Pin	0.5A	AC 50V / DC 60V

Part Number	Code	Contact	Current	Voltage
MDE-BF15RF180000001	B Code	5Pin	0.5A	AC 50V / DC 60V
MDE-DF14RF180000001	D Code	4Pin	0.5A	AC 50V / DC 60V
MDE-DF15RF180000001	D Code	5Pin	0.5A	AC 50V / DC 60V
MDE-KF18RF180000001	X Code	8Pin	0.5A	AC 50V / DC 60V

M12 Adaptor (Metal Nut) A.B.D.X-Code to RJ45 Adaptor, IPX8 (Mated)





Features and Benefits

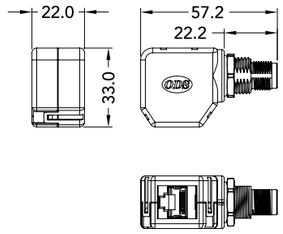
- **180° Female Connector to RJ45 Jack**
- Provides neat connections along the network
- Ensure secure data transmission in high noise (EMI/RFI) environment
- Fully shielded for high noise immunity

Part Number	Code	Conatct	Current	Voltage
MDL-AF14RF180000001	A Code	4Pin	0.5A	AC 50V / DC 60V
MDL-AF15RF180000001	A Code	5Pin	0.5A	AC 50V / DC 60V
MDL-AF18RF180000001	A Code	8Pin	0.5A	AC 50V / DC 60V
MDL-BF14RF180000001	B Code	4Pin	0.5A	AC 50V / DC 60V

Part Number	Code	Contact	Current	Voltage
MDL-BF15RF180000001	B Code	5Pin	0.5A	AC 50V / DC 60V
MDL-DF14RF180000001	D Code	4Pin	0.5A	AC 50V / DC 60V
MDL-DF15RF180000001	D Code	5Pin	0.5A	AC 50V / DC 60V
MDL-KF18RF180000001	X Code	8Pin	0.5A	AC 50V / DC 60V

M12 Adaptor (Metal Nut) A.B.D.X-Code to RJ45 Adaptor, IPX8 (Mated)





Features and Benefits

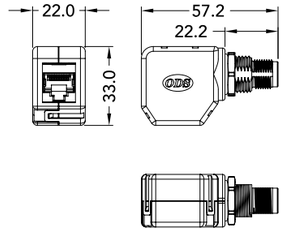
- **90° Male Connector to RJ45 Jack**
- Provides neat connections along the network
- Ensure secure data transmission in high noise (EMI/RFI) environment
- Fully shielded for high noise immunity

Part Number	Code	Conatct	Current	Voltage
MDE-AM14RF180000001	A Code	4Pin	0.5A	AC 50V / DC 60V
MDE-AM15RF180000001	A Code	5Pin	0.5A	AC 50V / DC 60V
MDE-AM18RF180000001	A Code	8Pin	0.5A	AC 50V / DC 60V
MDE-BM14RF180000001	B Code	4Pin	0.5A	AC 50V / DC 60V

Part Number	Code	Contact	Current	Voltage
MDE-BM15RF180000001	B Code	5Pin	0.5A	AC 50V / DC 60V
MDE-DM14RF180000001	D Code	4Pin	0.5A	AC 50V / DC 60V
MDE-DM15RF180000001	D Code	5Pin	0.5A	AC 50V / DC 60V
MDE-KM18RF180000001	X Code	8Pin	0.5A	AC 50V / DC 60V

M12 Adaptor (Metal Nut) A.B.D.X-Code to RJ45 Adaptor, IPX8 (Mated)





Features and Benefits

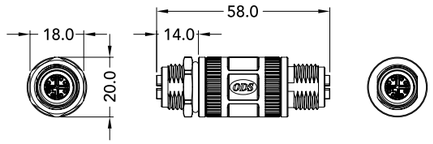
- **180° Male Connector to RJ45 Jack**
- Provides neat connections along the network
- Ensure secure data transmission in high noise (EMI/RFI) environment
- Fully shielded for high noise immunity

Part Number	Code	Conatct	Current	Voltage
MDL-AM14RF180000001	A Code	4Pin	0.5A	AC 50V / DC 60V
MDL-AM15RF180000001	A Code	5Pin	0.5A	AC 50V / DC 60V
MDL-AM18RF180000001	A Code	8Pin	0.5A	AC 50V / DC 60V
MDL-BM14RF180000001	B Code	4Pin	0.5A	AC 50V / DC 60V

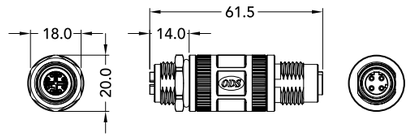
Part Number	Code	Contact	Current	Voltage
MDL-BM15RF180000001	B Code	5Pin	0.5A	AC 50V / DC 60V
MDL-DM14RF180000001	D Code	4Pin	0.5A	AC 50V / DC 60V
MDL-DM15RF180000001	D Code	5Pin	0.5A	AC 50V / DC 60V
MDL-KM18RF180000001	X Code	8Pin	0.5A	AC 50V / DC 60V

M12 Adaptor (Metal Nut) Inline Adaptor, IPX8 (Mated)









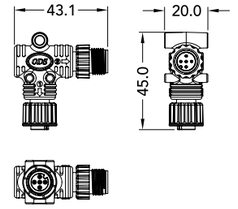
Features and Benefits

- Inline Adaptor easily swaps connector gender to desired connector type
- Provides neat connections along the network
- Fully shielded for high noise immunity

Part Number	Code 1	Code 2	Current	Voltage
MDL-KF18AF140000001	X Code 8Pin Female Connector	A Code 4Pin Female Connector	0.5A	AC 50V / DC 60V
MDL-KF18AF150000001	X Code 8Pin Female Connector	A Code 5Pin Female Connector	0.5A	AC 50V / DC 60V
MDL-KF18AF180000001	X Code 8Pin Female Connector	A Code 8Pin Female Connector	0.5A	AC 50V / DC 60V
MDL-KF18BF140000001	X Code 8Pin Female Connector	B Code 4Pin Female Connector	0.5A	AC 50V / DC 60V
MDL-KF18BF150000001	X Code 8Pin Female Connector	B Code 5Pin Female Connector	0.5A	AC 50V / DC 60V
MDL-KF18DF140000001	X Code 8Pin Female Connector	D Code 4Pin Female Connector	0.5A	AC 50V / DC 60V
MDL-KF18DF150000001	X Code 8Pin Female Connector	D Code 5Pin Female Connector	0.5A	AC 50V / DC 60V
MDL-KF18KF180000001	X Code 8Pin Female Connector	X Code 8Pin Female Connector	0.5A	AC 50V / DC 60V

M12 Adaptor (Plastic Nut) Elbow Adaptor, IPX7 (Mated)





Features and Benefits

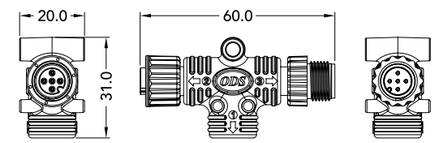
- Elbow Adaptor easily connects to a tee or double-ended cordsets making 90 turns at the end or anywhere along the system
- Provides neat connections along the network
- A, B, & D-Coded available to fit industry applications

Part Number	Code	Contact	Current	Voltage
MPE-AM14AF140000001	A Code	4Pin	5A	250V
MPE-AM15AF150000001	A Code	5Pin	5A	60V
MPE-BM14BF140000001	B Code	4Pin	5A	250V

Part Number	Code	Contact	Current	Voltage
MPE-BM15BF150000001	B Code	5Pin	5A	60V
MPE-DM14DF140000001	D Code	4Pin	5A	250V
MPE-DM15DF150000001	D Code	5Pin	5A	60V

M12 Adaptor (Plastic Nut) Inline Adaptor, IPX7 (Mated)





Features and Benefits

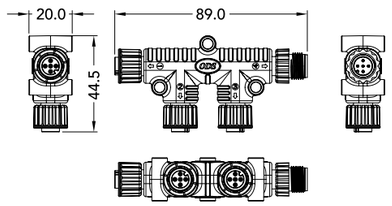
- Inline Adaptor easily swaps connector gender to desired connector type
- Provides neat connections along the network
- A, B, & D-Coded available to fit industry applications

Part Number	Code	Contact	Current	Voltage
MPL-AM14AF140000001	A Code	4Pin	5A	250V
MPL-AM15AF150000001	A Code	5Pin	5A	60V
MPL-BM14BF140000001	B Code	4Pin	5A	250V

Part Number	Code	Contact	Current	Voltage
MPL-BM15BF150000001	B Code	5Pin	5A	60V
MPL-DM14DF140000001	D Code	4Pin	5A	250V
MPL-DM15DF150000001	D Code	5Pin	5A	60V

M12 Adaptor (Plastic Nut) 2-Way Adaptor, IPX7 (Mated)





Features and Benefits

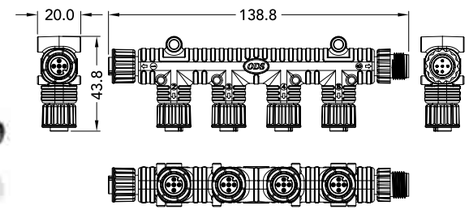
- 2-Way Adaptor allow several drop cables to be consolidated and connected back to the trunk
- Provides neat connections along the network
- A, B, & D-Coded available to fit industry applications

Part Number	Code	Contact	Current	Voltage
MPW-AM14AF14AF24001	A Code	4Pin	5A	250V
MPW-AM15AF15AF25001	A Code	5Pin	5A	60V
MPW-BM14BF14BF24001	B Code	4Pin	5A	250V

Part Number	Code	Contact	Current	Voltage
MPW-BM15BF15BF25001	B Code	5Pin	5A	60V
MPW-DM14DF14DF24001	D Code	4Pin	5A	250V
MPW-DM15DF15DF25001	D Code	5Pin	5A	60V

M12 Adaptor (Plastic Nut) 4-Way Adaptor, IPX7 (Mated)





Features and Benefits

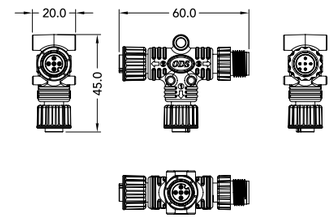
- 4-Way Adaptor allow several drop cables to be consolidated and connected back to the trunk
- Provides neat connections along the network
- A, B, & D-Coded available to fit industry applications

Part Number	Code	Contact	Current	Voltage
MPW-AM14AF14AF44001	A Code	4Pin	5A	250V
MPW-AM15AF15AF45001	A Code	5Pin	5A	60V
MPW-BM14BF14BF44001	B Code	4Pin	5A	250V

Part Number	Code	Contact	Current	Voltage
MPW-BM15BF15BF45001	B Code	5Pin	5A	60V
MPW-DM14DF14DF44001	D Code	4Pin	5A	250V
MPW-DM15DF15DF45001	D Code	5Pin	5A	60V

M12 Adaptor (Plastic Nut) Tee Adaptor, IPX7 (Mated)





Features and Benefits

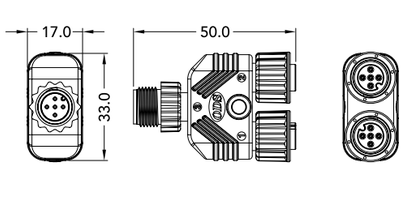
- Tee Adaptor allows for a drop connection
- Provides neat connections along the network
- A, B, & D-Coded available to fit industry applications

Part Number	Code	Contact	Current	Voltage
MPT-AM14AF14AF14001	A Code	4Pin	5A	250V
MPT-AM15AF15AF15001	A Code	5Pin	5A	60V
MPT-AM14AM14AF14001	A Code	4Pin	5A	250V
MPT-AM15AM15AF15001	A Code	5Pin	5A	60V
MPT-BM14BF14BF14001	B Code	4Pin	5A	250V
MPT-BM15BF15BF15001	B Code	5Pin	5A	60V

Part Number	Code	Contact	Current	Voltage
MPT-BM14BM14BF14001	B Code	4Pin	5A	250V
MPT-BM15BM15BF15001	B Code	5Pin	5A	60V
MPT-DM14DF14DF14001	D Code	4Pin	5A	250V
MPT-DM15DF15DF15001	D Code	5Pin	5A	60V
MPT-DM14DM14DF14001	D Code	4Pin	5A	250V
MPT-DM15DM15DF15001	D Code	5Pin	5A	60V

M12 Adaptor (Plastic Nut) Y Adaptor, IPX7 (Mated)





Features and Benefits

- Y Adaptor allows for a drop connection
- Provides neat connections along the network
- A, B, & D-Coded available to fit industry applications

Part Number	Code	Contact	Current	Voltage
MPY-AM14AF240000001	A Code	8Pin	5A	250V
MPY-AM15AF250000001	A Code	8Pin	5A	60V
MPY-BM14BF240000001	B Code	8Pin	5A	250V

Part Number	Code	Contact	Current	Voltage
MPY-BM15BF250000001	B Code	8Pin	5A	60V
MPY-DM14DF240000001	D Code	8Pin	5A	250V
MPY-DM15DF250000001	D Code	8Pin	5A	60V

M5/M8/M12 Accessory Cap IPX7 (Mated)

Features and Benefits

- One sealing surface means less likelihood of failure
- Maintains IPX7 rating for functional integrity when connector is not mated
- IPX7 rating ensures cable assemblies are water and dust tight for functional integrity

Part Number	Series	Description
CPMMPFCSM73	M5	Male Metal Cap, Metal Chain With Washer



Part Number	Series	Description
CPMMPMCSM73	M5	Female Metal Cap, Metal Chain With Washer



Part Number	Series	Description
CPMPPFCSN71	M8	Male Plastic Cap



Part Number	Series	Description
CPMMPFCSN71	M8	Male Metal Cap



Part Number	Series	Description
CPMMPFCSN73	M5	Male Metal Cap



Part Number	Series	Description
CPMMPMCSN73	M5	Female Metal Cap



Part Number	Series	Description
CPMPPMCSN72	M8	Female Plastic Cap



Part Number	Series	Description
CPMMPFCSM72	M8	Male Metal Cap, Metal Chain With Washer



M5/M8/M12 Accessory Cap IPX7 (Mated)

Part Number	Series	Description
CPMMPMCSN71	M8	Female Metal Cap



Part Number	Series	Description
CPMMPMCSM72	M8	Female Metal Cap, Metal Chain With Washer



Part Number	Series	Description
CPMMPFCSM71	M12	Male Metal Cap, Metal Chain With Washer



Part Number	Series	Description
CPMMPMCSM71	M12	Female Metal Cap, Metal Chain With Washer



Part Number	Series	Description
CPMMPFCSM74	M12	Male Metal Cap, Metal Chain With Washer



Part Number	Series	Description
CPMMPMCSM74	M12	Female Metal Cap, Metal Chain With Washer



Part Number	Series	Description
CPMMPFCSN72	M12	Male Metal Cap



Part Number	Series	Description
CPMMPMCSN72	M12	Female Metal Cap



Part Number	Series	Description
CPMPCFCSN71	M12	Male Plastic Cap



Part Number	Series	Description
CPMPPMCSN71	M12	Female Plastic Cap

