

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

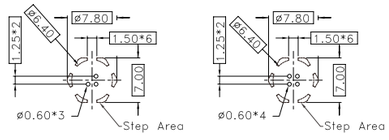
M12 CODINGS

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

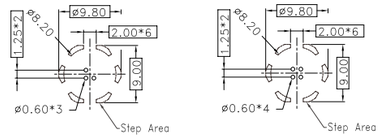
PCB LAYOUT

M5

Male Pin



Female Pin



WIRE COLOR PIN ASSIGNMENT

M5

Male



Female



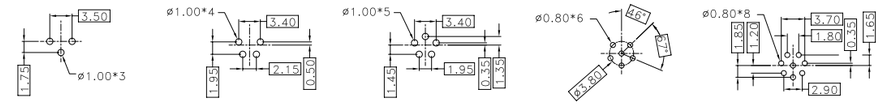
1 = Brown 2 = White 3 = Blue 4 = Black 5 = Green

M8/M12 Connectors

PCB LAYOUT

M8

Male Pin
Female Pin



WIRE COLOR PIN ASSIGNMENT

M8

Male



Female

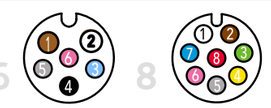


1 = Brown 2 = White 3 = Blue 4 = Black 5 = Grey

Male



Female



1 =Brown 2 = White 3 = Blue 4 = Black 5 = Grey 6 = Pink

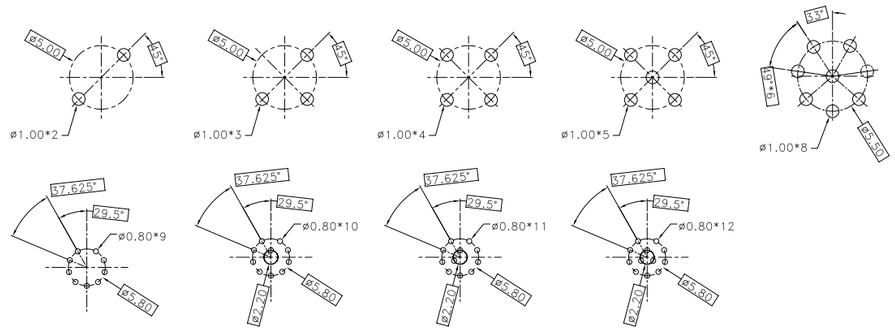
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PCB LAYOUT

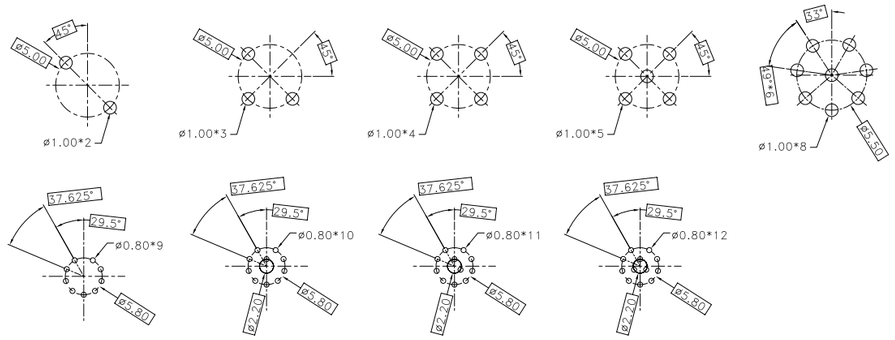
M12

A,B,D CODE

Male Pin



Female Pin

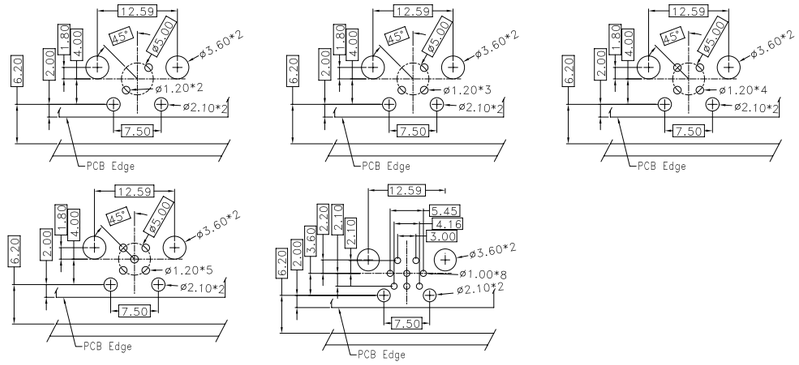


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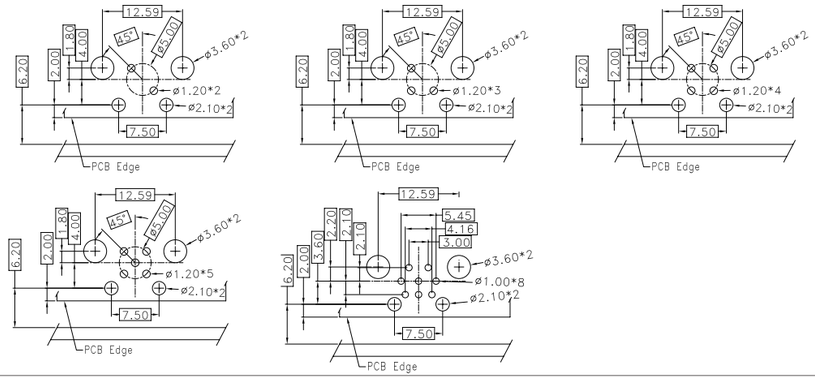
PCB LAYOUT

M12
A,B,D CODE
Plastic Right Angle

Male Pin

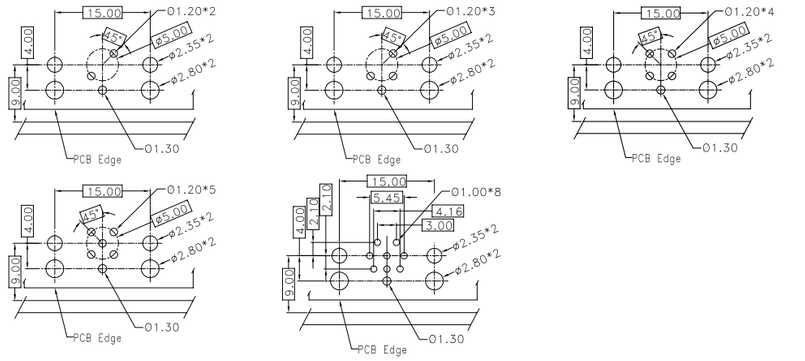


Female Pin

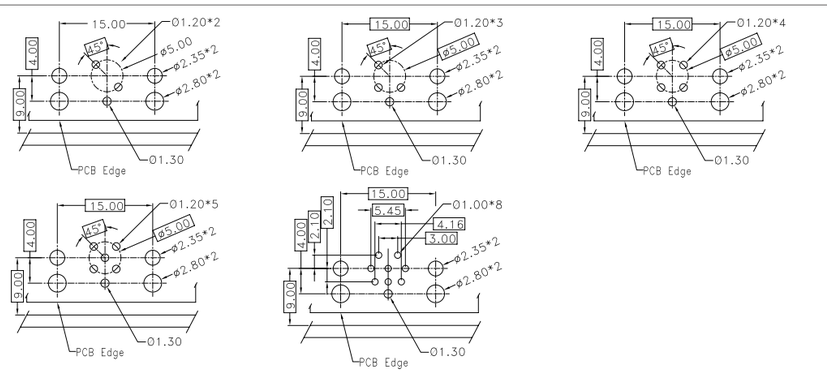


M12
A,B,D CODE
Metal Right Angle

Male Pin



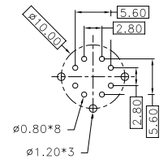
Female Pin



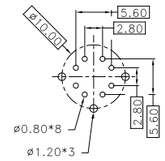
PCB LAYOUT

M12
X CODE

Male Pin

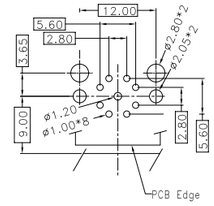


Female Pin



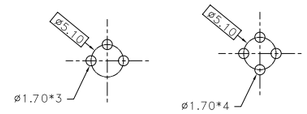
M12
X CODE
Right Angle
Female Pin

Female Pin

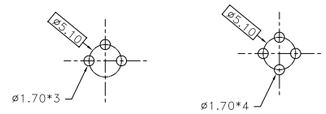


M12
S,T CODE

Male Pin

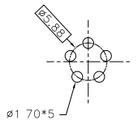


Female Pin

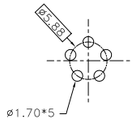


M12
L CODE

Male Pin



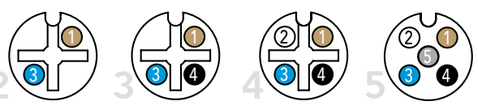
Female Pin



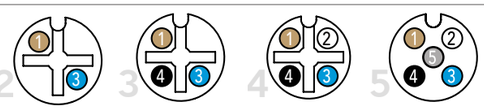
WIRE COLOR PIN ASSIGNMENT

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



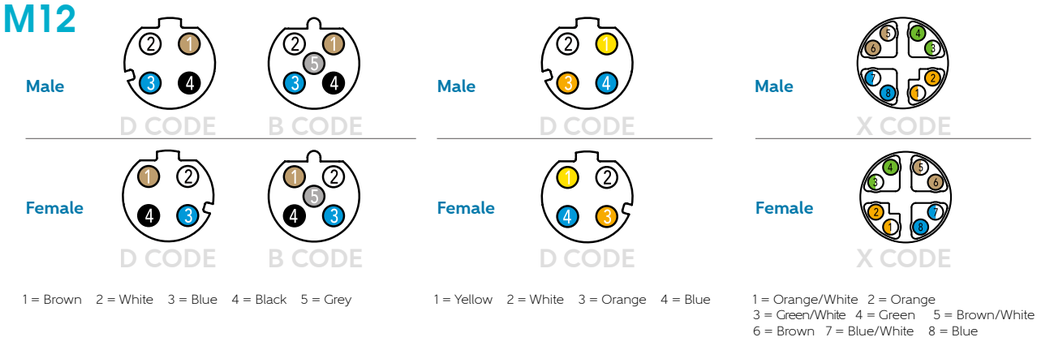
1 = Brown 2 = Blue 3 = White 4 = Green 5 = Pink 6 = Yellow 7 = Black 8 = Grey 9 = Red
10 = Purple 11 = Grey/Pink 12 = Red/Blue

ODS Electronics Sensor
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M12 Connectors

WIRE COLOR PIN ASSIGNMENT

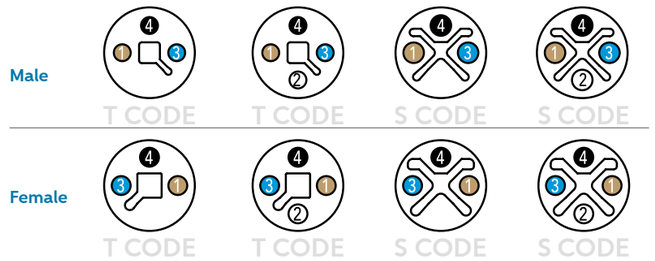
M12



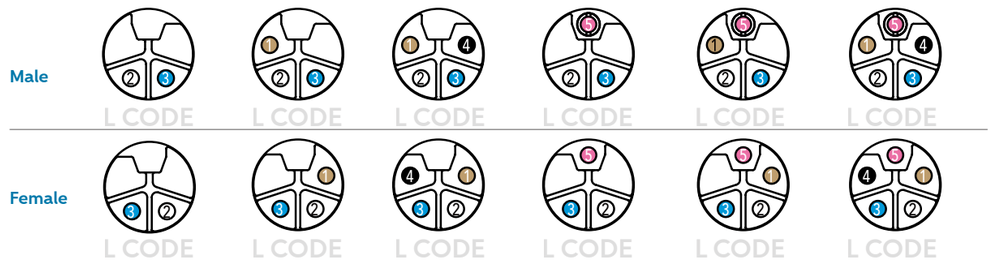
1 = Brown 2 = White 3 = Blue 4 = Black 5 = Grey

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



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



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

M5 Receptacle (Metal)

Product Specifications

General Data

Number of Positions	3P, 4P
Coding	A-Coding
Contact Housing	Nylon + GF
Shell / Screw Nut	Copper Alloy, Nickel Plated
Terminal	Copper Alloy, Gold Plated

Electrical Data

Current Rating	1A
Voltage Rating	60V
Contact Resistance	≦ 10mΩ
Insulation Resistance	≧ 100MΩ at DC 500V
Withstanding Voltage	3/4P: AC 900V/1 Minute
Standard	IEC 61076-2-105

Environmental Data

Mating Style	Screw Thread
Max Panel Thickness	3.0mm (Without Cap Chain)
Temperature Range	-40℃ ~ +90℃
Salt Spray	48 hr.
Protection Class	IPX8 (Mated)
Durability	100 Times

How to Order

MMGX X XX X XX - SHX8XXX

Style
P - Front Fastened
R - Rear Fastened

Connector Style
F – Female
M – Male

Number of Contacts
03, 04

Contact Type
F – Female
M – Male

Current Rating
AA – 1A

Assembly Style
S – Solder Type
P – PCB Type

Serial Number

MMG X X XX X XX – SHC8XXX

Style
P - Front Fastened
R - Rear Fastened

Connector Gender
F – Female
M – Male

Number of Contacts
03, 04

Contact Type
F – Female
M – Male

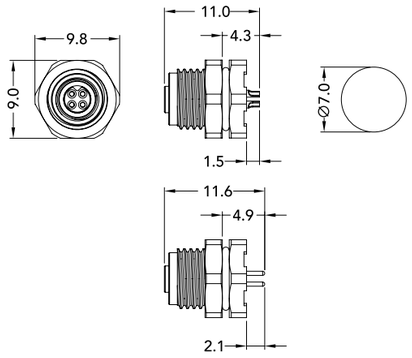
Current Rating
AA – 1A

Cable Type / Length (m)
A01~A99
B01~B99

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M5 Receptacle (Metal) Front Fastened, IPX8 (Mated)





Features and Benefits

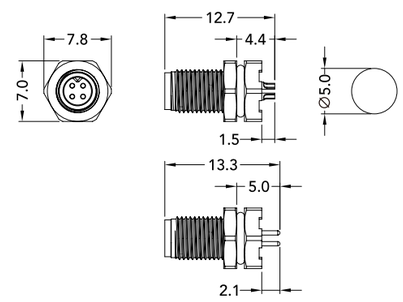
- **Female Connector, Female Pin**
- IEC compliant M5 panel mount receptacles
- Shielded for high noise immunity
- Fully potted assemblies provide IPX8 protection for harsh environments
- Small, compact design for miniature sensors and space sensitive applications

Part Number	Contact	Current	Voltage	Ass'y Type
MMGPF03FAA-SHP8001	3Pin	1A	60V	PCB Straight
MMGPF04FAA-SHP8001	4Pin	1A	60V	PCB Straight

Part Number	Contact	Current	Voltage	Ass'y Type
MMGPF03FAA-SHS8001	3Pin	1A	60V	Solder
MMGPF04FAA-SHS8001	4Pin	1A	60V	Solder

M5 Receptacle (Metal) Front Fastened, IPX8 (Mated)





Features and Benefits

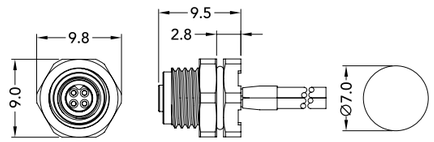
- **Male Connector, Male Pin**
- IEC compliant M5 panel mount receptacles
- Shielded for high noise immunity
- Fully potted assemblies provide IPX8 protection for harsh environments
- Small, compact design for miniature sensors and space sensitive applications

Part Number	Contact	Current	Voltage	Ass'y Type
MMGPM03MAA-SHP8001	3Pin	1A	60V	PCB Straight
MMGPM04MAA-SHP8001	4Pin	1A	60V	PCB Straight

Part Number	Contact	Current	Voltage	Ass'y Type
MMGPM03MAA-SHS8001	3Pin	1A	60V	Solder
MMGPM04MAA-SHS8001	4Pin	1A	60V	Solder

M5 Receptacle (Metal) Front Fastened, IPX8 (Mated)





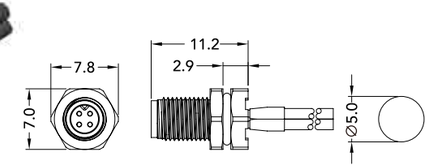
Features and Benefits

- **Female Connector, Female Pin**
- IEC compliant M5 panel mount receptacles with wire
- Shielded for high noise immunity
- Fully potted assemblies provide IPX8 protection for harsh environment
- Small, compact design for miniature sensors and space sensitive applications

Part Number	Contact	Current	Voltage	Ass'y Type
MMGPF03FAA-SHC8AXX	3Pin	1A	60V	Wire Harness End Cut
MMGPF04FAA-SHC8AXX	4Pin	1A	60V	Wire Harness End Cut

M5 Receptacle (Metal) Front Fastened, IPX8 (Mated)





Features and Benefits

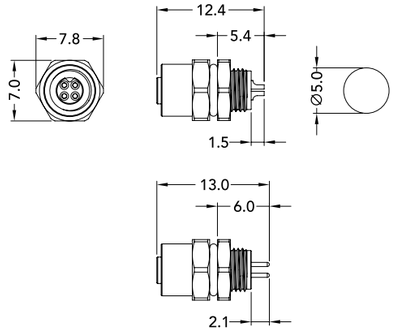
- **Male Connector, Male Pin**
- IEC compliant M5 panel mount receptacles with wire
- Shielded for high noise immunity
- Fully potted assemblies provide IPX8 protection for harsh environments
- Small, compact design for miniature sensors and space sensitive applications

Part Number	Contact	Current	Voltage	Ass'y Type
MMGPM03MAA-SHC8AXX	3Pin	1A	60V	Wire Harness End Cut
MMGPM04MAA-SHC8AXX	4Pin	1A	60V	Wire Harness End Cut

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M5 Receptacle (Metal) Rear Fastened, IPX8 (Mated)





Features and Benefits

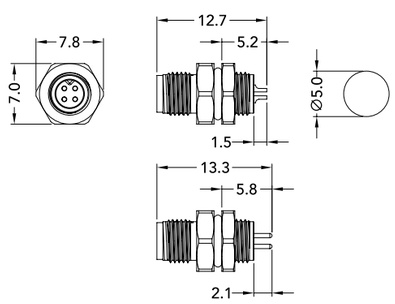
- **Female Connector, Female Pin**
- IEC compliant M5 panel mount receptacles
- Shielded for high noise immunity
- Fully potted assemblies provide IPX8 protection for harsh environments
- Small, compact design for miniature sensors and space sensitive applications

Part Number	Contact	Current	Voltage	Ass'y Type
MMGRF03FAA-SHP8001	3Pin	1A	60V	PCB Straight
MMGRF04FAA-SHP8001	4Pin	1A	60V	PCB Straight

Part Number	Contact	Current	Voltage	Ass'y Type
MMGRF03FAA-SHS8001	3Pin	1A	60V	Solder
MMGRF04FAA-SHS8001	4Pin	1A	60V	Solder

M5 Receptacle (Metal) Rear Fastened, IPX8 (Mated)





Features and Benefits

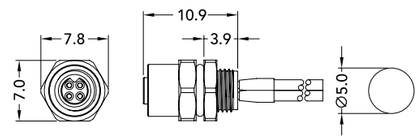
- **Male Connector, Male Pin**
- IEC compliant M5 panel mount receptacles
- Shielded for high noise immunity
- Fully potted assemblies provide IPX8 protection for harsh environments
- Small, compact design for miniature sensors and space sensitive applications

Part Number	Contact	Current	Voltage	Ass'y Type
MMGRM03MAA-SHP8001	3Pin	1A	60V	PCB Straight
MMGRM04MAA-SHP8001	4Pin	1A	60V	PCB Straight

Part Number	Contact	Current	Voltage	Ass'y Type
MMGRM03MAA-SHS8001	3Pin	1A	60V	Solder
MMGRM04MAA-SHS8001	4Pin	1A	60V	Solder

M5 Receptacle (Metal) Rear Fastened, IPX8 (Mated)





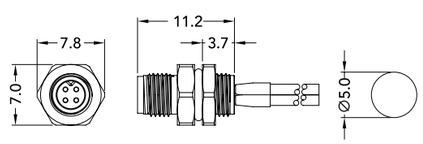
Features and Benefits

- **Female Connector, Female Pin**
- IEC compliant M5 panel mount receptacles with wire
- Shielded for high noise immunity
- Fully potted assemblies provide IPX8 protection for harsh environments
- Small, compact design for miniature sensors and space sensitive applications

Part Number	Contact	Current	Voltage	Ass'y Type
MMGRF03FAA-SHC8AXX	3Pin	1A	60V	Wire Harness End Cut
MMGRF04FAA-SHC8AXX	4Pin	1A	60V	Wire Harness End Cut

M5 Receptacle (Metal) Rear Fastened, IPX8 (Mated)





Features and Benefits

- **Male Connector, Male Pin**
- IEC compliant M5 panel mount receptacles with wire
- Shielded for high noise immunity
- Fully potted assemblies provide IPX8 protection for harsh environments
- Small, compact design for miniature sensors and space sensitive applications

Part Number	Contact	Current	Voltage	Ass'y Type
MMGRM03MAA-SHC8AXX	3Pin	1A	60V	Wire Harness End Cut
MMGRM04MAA-SHC8AXX	4Pin	1A	60V	Wire Harness End Cut

M5 Cable Assembly (Metal Nut)

Product Specifications

General Data

Number of Positions	3P, 4P
Coding	A-Coding
Contact Housing	Nylon + GF
Shell / Screw Nut	Copper Alloy, Nickel Plated
Terminal	Copper Alloy, Gold Plated

Electrical Data

Current Rating	1A
Voltage Rating	60V
Contact Resistance	≦ 10mΩ
Withstanding Voltage	3/4P: AC 900V/1 Minute
Standard	IEC 61076-2-105

Environmental Data

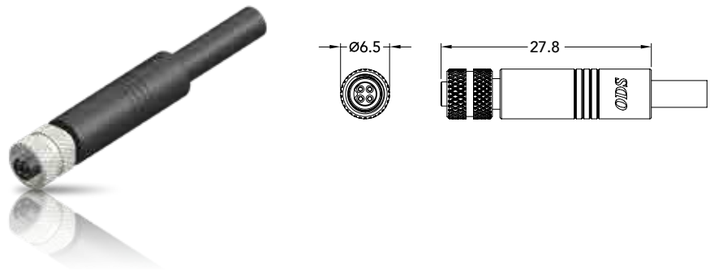
Mating Style	Screw Thread
Temperature Range	-20℃ ~ +80℃
Salt Spray	48 hr.
Protection Class	IPX7 (Mated)
Durability	100 Times
Assemble Type	Cable End Cut

How to Order

ESGB X XX X XX - SLC7XXX

- **Connector Gender**
  F – Female
  M – Male
- **Number of Contacts**
  03, 04
- **Contact Type**
  F – Female
  M – Male
- **Current Rating**
  AA – 1A
- **Cable Type / Length (m)**
  A01~A99
  B01~B99

M5 Cable Assembly (Metal Nut) Straight, IPX7 (Mated)

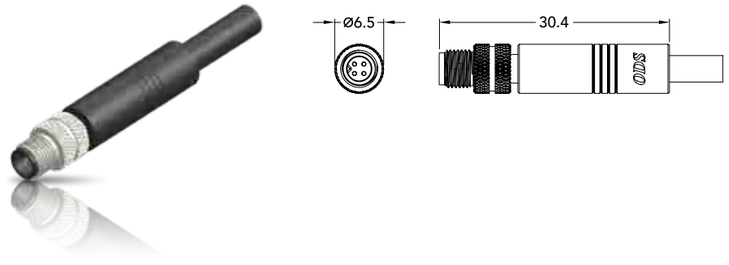


Features and Benefits

- **Female Connector, Female Pin**
- Fully shielded for high noise immunity
- IEC compliant M5 cable assemblies with threaded couplers
- Small, compact design for miniature sensors and space sensitive applications
- Wide selection of cables to fit applications

Part Number	Contact	Current	Voltage
ESGBF03FAA-SLC7AXX	3Pin	1A	60V
ESGBF04FAA-SLC7AXX	4Pin	1A	60V

M5 Cable Assembly (Metal Nut) Straight, IPX7 (Mated)



Features and Benefits

- **Male Connector, Male Pin**
- Fully shielded for high noise immunity
- IEC compliant M5 cable assemblies with threaded couplers
- Small, compact design for miniature sensors and space sensitive applications
- Wide selection of cables to fit applications

Part Number	Contact	Current	Voltage
ESGBM03MAA-SLC7AXX	3Pin	1A	60V
ESGBM04MAA-SLC7AXX	4Pin	1A	60V

Quality Products Innovative Solution

M8 A-Code Receptacle (Metal)

Product Specifications

General Data

Number of Positions	3/4/6/8P
Coding	A-Coding
Contact Housing	Nylon + GF
Shell / Screw Nut	Copper Alloy, Nickel Plated
Terminal	Copper Alloy, Gold Plated

Electrical Data

Current Rating	3/4P: 3A ; 6/8P: 1.5A
Voltage Rating	3/4P: 60V ; 6/8P: 30V
Contact Resistance	≦ 10mΩ
Insulation Resistance	≧ 100MΩ at DC 500V
Withstanding Voltage	3/4P: AC 1000V/1 Minute 6/8P: AC 650V/1 Minute
Standard	IEC 61076-2-104

Environmental Data

Mating Style	Screw Thread
Max Panel Thickness	2.5mm (Without Cap Chain)
Temperature Range	-40℃ ~ +90℃
Salt Spray	48 hr.
Protection Class	IPX7 (Unmated)
Durability	100 Times

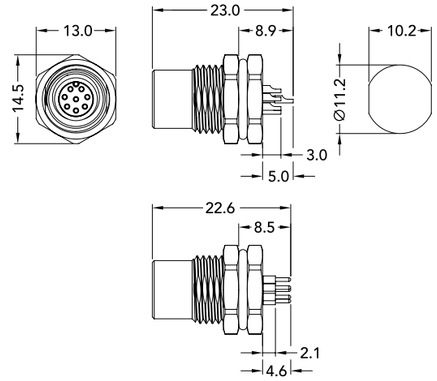
How to Order

MME **X** **X** **XX** **X** **XX** - SH**X**7**XXX**

- **Style**: P – Front Fastened; R – Rear Fastened
- **Connector Gender**: F – Female; M – Male
- **Number of Contacts**: 03, 04, 06, 08
- **Contact Type**: F – Female; M – Male
- **Current Rating**: AA – 1.5A (6/8P); CC – 3A (3/4P)
- **Assembly Style**: S – Solder Type; P – PCB Type
- **Serial Number**

M8 A-Code Receptacle (Metal) Front Fastened, IPX7





Features and Benefits

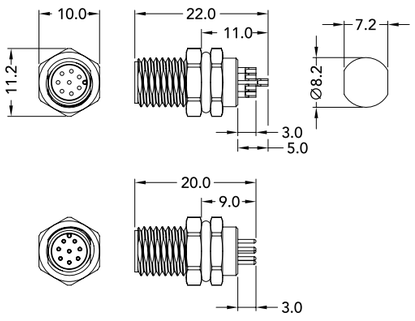
- **Female Connector, Female Pin**
- Shielded for high noise immunity
- IEC compliant M8 panel mount receptacles
- Fully potted assemblies provide IPX7 protection for harsh environments

Part Number	Contact	Current	Voltage	Ass'y Type
MMEPF03FCC-SHS7001	3Pin	3A	60V	Solder
MMEPF04FCC-SHS7001	4Pin	3A	60V	Solder
MMEPF06FAA-SHS7001	6Pin	1.5A	30V	Solder
MMEPF08FAA-SHS7001	8Pin	1.5A	30V	Solder

Part Number	Contact	Current	Voltage	Ass'y Type
MMEPF03FCC-SHP7001	3Pin	3A	60V	PCB Straight
MMEPF04FCC-SHP7001	4Pin	3A	60V	PCB Straight
MMEPF06FAA-SHP7001	6Pin	1.5A	30V	PCB Straight
MMEPF08FAA-SHP7001	8Pin	1.5A	30V	PCB Straight

M8 A-Code Receptacle (Metal) Front Fastened, IPX7





Features and Benefits

- **Male Connector, Male Pin**
- Shielded for high noise immunity
- IEC compliant M8 panel mount receptacles
- Fully potted assemblies provide IPX7 protection for harsh environments

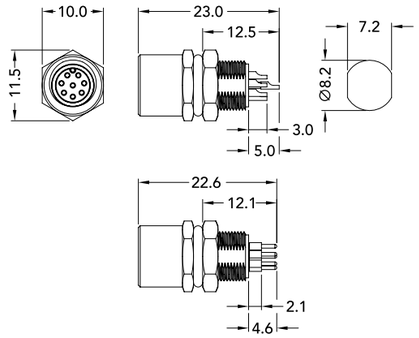
Part Number	Contact	Current	Voltage	Ass'y Type
MMEPM03MCC-SHS7001	3Pin	3A	60V	Solder
MMEPM04MCC-SHS7001	4Pin	3A	60V	Solder
MMEPM06MAA-SHS7001	6Pin	1.5A	30V	Solder
MMEPM08MAA-SHS7001	8Pin	1.5A	30V	Solder

Part Number	Contact	Current	Voltage	Ass'y Type
MMEPM03MCC-SHP7001	3Pin	3A	60V	PCB Straight
MMEPM04MCC-SHP7001	4Pin	3A	60V	PCB Straight
MMEPM06MAA-SHP7001	6Pin	1.5A	30V	PCB Straight
MMEPM08MAA-SHP7001	8Pin	1.5A	30V	PCB Straight

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M8 A-Code Receptacle (Metal) Rear Fastened, IPX7





Features and Benefits

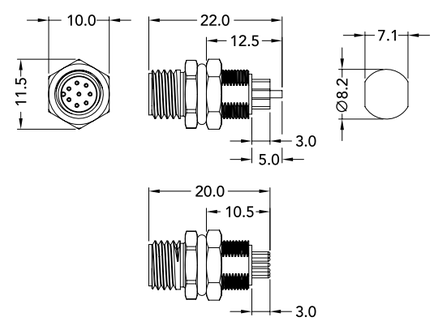
- **Female Connector, Female Pin**
- Shielded for high noise immunity
- IEC compliant M8 panel mount receptacles
- Fully potted assemblies provide IPX7 protection for harsh environments

Part Number	Contact	Current	Voltage	Ass'y Type
MMERF03FCC-SHS7001	3Pin	3A	60V	Solder
MMERF04FCC-SHS7001	4Pin	3A	60V	Solder
MMERF06FAA-SHS7001	6Pin	1.5A	30V	Solder
MMERF08FAA-SHS7001	8Pin	1.5A	30V	Solder

Part Number	Contact	Current	Voltage	Ass'y Type
MMERF03FCC-SHP7001	3Pin	3A	60V	PCB Straight
MMERF04FCC-SHP7001	4Pin	3A	60V	PCB Straight
MMERF06FAA-SHP7001	6Pin	1.5A	30V	PCB Straight
MMERF08FAA-SHP7001	8Pin	1.5A	30V	PCB Straight

M8 A-Code Receptacle (Metal) Rear Fastened, IPX7





Features and Benefits

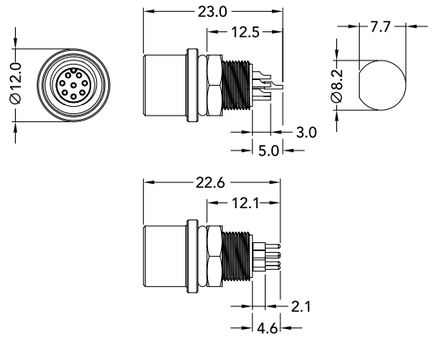
- **Male Connector, Male Pin**
- Shielded for high noise immunity
- IEC compliant M8 panel mount receptacles
- Fully potted assemblies provide IPX7 protection for harsh environments

Part Number	Contact	Current	Voltage	Ass'y Type
MMERM03MCC-SHS7001	3Pin	3A	60V	Solder
MMERM04MCC-SHS7001	4Pin	3A	60V	Solder
MMERM06MAA-SHS7001	6Pin	1.5A	30V	Solder
MMERM08MAA-SHS7001	8Pin	1.5A	30V	Solder

Part Number	Contact	Current	Voltage	Ass'y Type
MMERM03MCC-SHP7001	3Pin	3A	60V	PCB Straight
MMERM04MCC-SHP7001	4Pin	3A	60V	PCB Straight
MMERM06MAA-SHP7001	6Pin	1.5A	30V	PCB Straight
MMERM08MAA-SHP7001	8Pin	1.5A	30V	PCB Straight

M8 A-Code Receptacle (Metal) Rear Fastened, IPX7





Features and Benefits

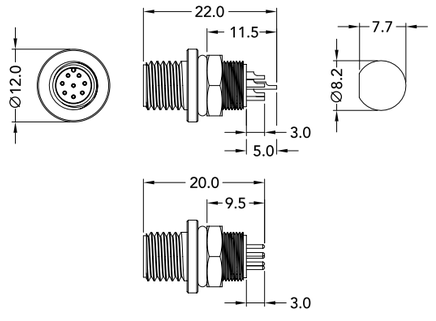
- **Female Connector, Female Pin**
- Shielded for high noise immunity
- IEC compliant M8 panel mount receptacles
- Fully potted assemblies provide IPX7 protection for harsh environments

Part Number	Contact	Current	Voltage	Ass'y Type
MMERF03FCC-SCS7001	3Pin	3A	60V	Solder
MMERF04FCC-SCS7001	4Pin	3A	60V	Solder
MMERF06FAA-SCS7001	6Pin	1.5A	30V	Solder
MMERF08FAA-SCS7001	8Pin	1.5A	30V	Solder

Part Number	Contact	Current	Voltage	Ass'y Type
MMERF03FCC-SCP7001	3Pin	3A	60V	PCB Straight
MMERF04FCC-SCP7001	4Pin	3A	60V	PCB Straight
MMERF06FAA-SCP7001	6Pin	1.5A	30V	PCB Straight
MMERF08FAA-SCP7001	8Pin	1.5A	30V	PCB Straight

M8 A-Code Receptacle (Metal) Rear Fastened, IPX7





Features and Benefits

- **Male Connector, Male Pin**
- Shielded for high noise immunity
- IEC compliant M8 panel mount receptacles
- Fully potted assemblies provide IPX7 protection for harsh environments

Part Number	Contact	Current	Voltage	Ass'y Type
MMERM03MCC-SCS7001	3Pin	3A	60V	Solder
MMERM04MCC-SCS7001	4Pin	3A	60V	Solder
MMERM06MAA-SCS7001	6Pin	1.5A	30V	Solder
MMERM08MAA-SCS7001	8Pin	1.5A	30V	Solder

Part Number	Contact	Current	Voltage	Ass'y Type
MMERM03MCC-SCP7001	3Pin	3A	60V	PCB Straight
MMERM04MCC-SCP7001	4Pin	3A	60V	PCB Straight
MMERM06MAA-SCP7001	6Pin	1.5A	30V	PCB Straight
MMERM08MAA-SCP7001	8Pin	1.5A	30V	PCB Straight

M8 A-Code Receptacle (Plastic)

Product Specifications

General Data

Number of Positions	3/4/6/8P
Coding	A-Coding
Contact Housing	Nylon + GF
Shell / Screw Nut	Nylon + GF
Terminal	Copper Alloy, Gold Plated

Environmental Data

Mating Style	Screw Thread
Max Panel Thickness	2.5mm (Without Cap Chain)
Temperature Range	-40℃ ~ +90℃
Salt Spray	48 hr.
Protection Class	IPX7 (Unmated)
Durability	100 Times

Electrical Data

Current Rating	3/4P: 3A ; 6/8P: 1.5A
Voltage Rating	3/4P: 60V ; 6/8P: 30V
Contact Resistance	≦ 10mΩ
Insulation Resistance	≧ 100MΩ at DC 500V
Withstanding Voltage	3/4P: AC 1000V/1 Minute 6/8P: AC 650V/1 Minute
Standard	IEC 61076-2-104

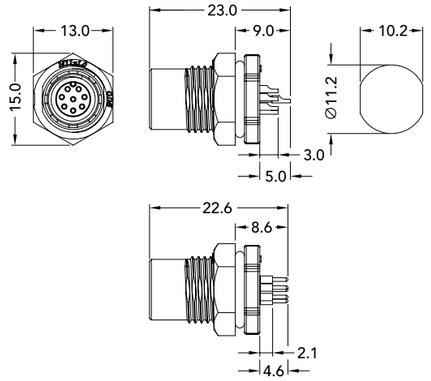
How to Order

MPE X X XX X XX - SHX7XXX

- **Style**: P - Front Fastened; R - Rear Fastened
- **Connector Gender**: F - Female; M - Male
- **Number of Contacts**: 03, 04, 06, 08
- **Contact Type**: F - Female; M - Male
- **Current Rating**: AA - 1.5A (6/8P); CC - 3A (3/4P)
- **Assembly Style**: S - Solder Type; P - PCB Type
- **Serial Number**

M8 A-Code Receptacle (Plastic) Front Fastened, IPX7





Features and Benefits

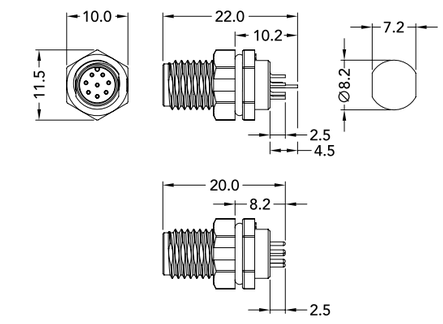
- **Female Connector, Female Pin**
- IEC compliant M8 panel mount receptacles
- Fully potted assemblies provide IPX7 protection for harsh environments

Part Number	Contact	Current	Voltage	Ass'y Type
MPEPF03FCC-SHS7001	3Pin	3A	60V	Solder
MPEPF04FCC-SHS7001	4Pin	3A	60V	Solder
MPEPF06FAA-SHS7001	6Pin	1.5A	30V	Solder
MPEPF08FAA-SHS7001	8Pin	1.5A	30V	Solder

Part Number	Contact	Current	Voltage	Ass'y Type
MPEPF03FCC-SHP7001	3Pin	3A	60V	PCB Straight
MPEPF04FCC-SHP7001	4Pin	3A	60V	PCB Straight
MPEPF06FAA-SHP7001	6Pin	1.5A	30V	PCB Straight
MPEPF08FAA-SHP7001	8Pin	1.5A	30V	PCB Straight

M8 A-Code Receptacle (Plastic) Front Fastened, IPX7





Features and Benefits

- **Male Connector, Male Pin**
- IEC compliant M8 panel mount receptacles
- Fully potted assemblies provide IPX7 protection for harsh environments

Part Number	Contact	Current	Voltage	Ass'y Type
MPEPM03MCC-SHS7001	3Pin	3A	60V	Solder
MPEPM04MCC-SHS7001	4Pin	3A	60V	Solder
MPEPM06MAA-SHS7001	6Pin	1.5A	30V	Solder
MPEPM08MAA-SHS7001	8Pin	1.5A	30V	Solder

Part Number	Contact	Current	Voltage	Ass'y Type
MPEPM03MCC-SHP7001	3Pin	3A	60V	PCB Straight
MPEPM04MCC-SHP7001	4Pin	3A	60V	PCB Straight
MPEPM06MAA-SHP7001	6Pin	1.5A	30V	PCB Straight
MPEPM08MAA-SHP7001	8Pin	1.5A	30V	PCB Straight

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M8 A-Code Cable Assembly (Metal Nut)

Product Specifications

General Data

Number of Positions	3/4/6/8P
Coding	A-Coding
Contact Housing	Nylon + GF
Screw Nut	Copper Alloy, Nickel Plated
Terminal	Copper Alloy, Gold Plated

Electrical Data

Current Rating	3/4P: 3A ; 6/8P: 1.5A
Voltage Rating	3/4P: 60V ; 6/8P: 30V
Contact Resistance	≦ 10mΩ
Withstanding Voltage	3/4P: AC 1000V/1 Minute 6/8P: AC 650V/1 Minute
Standard	IEC61076-2-104

Environmental Data

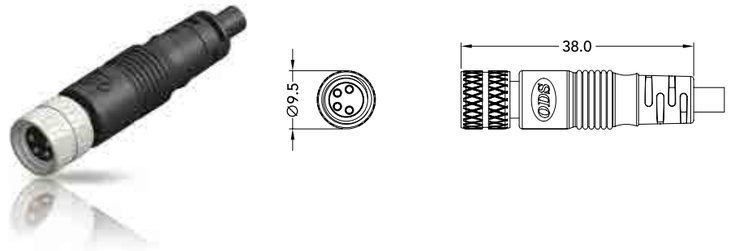
Mating Style	Screw Thread
Temperature Range	-20℃ ~ +80℃
Salt Spray	48 hr.
Protection Class	IPX7 (Mated)
Durability	100 Times
Assemble Type	Cable End Cut

How to Order

EAEA **X** **XX** **X** **XX** - S**X**C7**XXX**

- **Connector Gender**: F - Female; M - Male
- **Number of Contacts**: 03, 04, 06, 08
- **Contact Type**: F - Female; M - Male
- **Current Rating**: AA - 1.5A (6/8P); CC - 3A (3/4P)
- **Back Shell**: L- Straight (180°); R- Right Angle (90°) Type1; A- Right Angle (90°) Type2
- **Cable Type / Length (m)**: A01~A99; B01~B99

M8 A-Code Cable Assembly (Metal Nut) Straight, IPX7 (Mated)



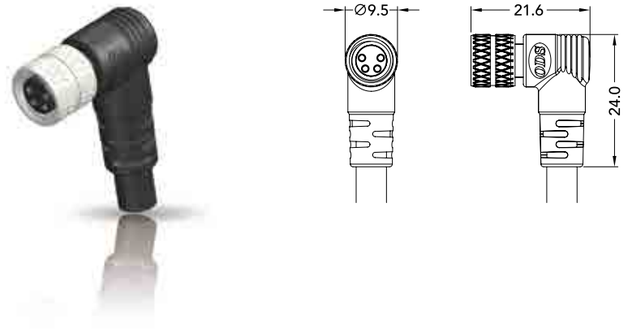
Features and Benefits

- **Female Connector, Female Pin**
- IEC compliant M8 cable assemblies with threaded couplers
- Small, compact design for miniature sensors and space sensitive applications
- Wide selection of cables to fit applications

Part Number	Contact	Current	Voltage
EAEAF03FCC-SLC7AXX	3Pin	3A	60V
EAEAF04FCC-SLC7AXX	4Pin	3A	60V

Part Number	Contact	Current	Voltage
EAEAF06FAA-SLC7AXX	6Pin	1.5A	30V
EAEAF08FAA-SLC7AXX	8Pin	1.5A	30V

M8 A-Code Cable Assembly (Metal Nut) Angled, IPX7 (Mated)



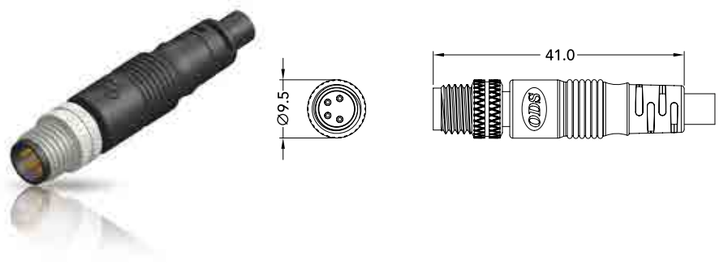
Features and Benefits

- **Female Connector, Female Pin**
- IEC compliant M8 cable assemblies with threaded couplers
- Small, compact design for miniature sensors and space sensitive applications
- Wide selection of cables to fit applications

Part Number	Contact	Current	Voltage
EAEAF03FCC-SRC7AXX	3Pin	3A	60V
EAEAF04FCC-SRC7AXX	4Pin	3A	60V
EAEAF06FAA-SRC7AXX	6Pin	1.5A	30V
EAEAF08FAA-SRC7AXX	8Pin	1.5A	30V

Part Number	Contact	Current	Voltage
EAEAF03FCC-SAC7AXX	3Pin	3A	60V
EAEAF04FCC-SAC7AXX	4Pin	3A	60V
EAEAF06FAA-SAC7AXX	6Pin	1.5A	30V
EAEAF08FAA-SAC7AXX	8Pin	1.5A	30V

M8 A-Code Cable Assembly (Metal Nut) Straight, IPX7 (Mated)



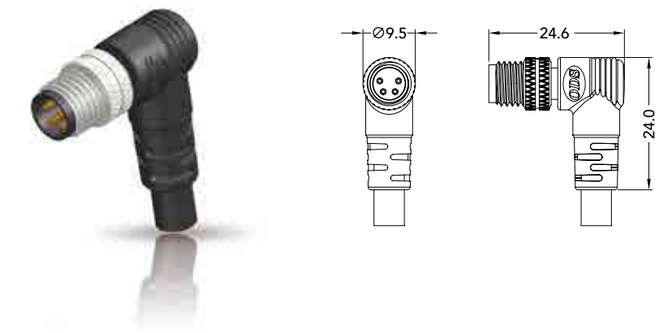
Features and Benefits

- **Male Connector, Male Pin**
- IEC compliant M8 cable assemblies with threaded couplers
- Small, compact design for miniature sensors and space sensitive applications
- Wide selection of cables to fit applications

Part Number	Contact	Current	Voltage
EAEAM03MCC-SLC7AXX	3Pin	3A	60V
EAEAM04MCC-SLC7AXX	4Pin	3A	60V

Part Number	Contact	Current	Voltage
EAEAM06MAA-SLC7AXX	6Pin	1.5A	30V
EAEAM08MAA-SLC7AXX	8Pin	1.5A	30V

M8 A-Code Cable Assembly (Metal Nut) Angled, IPX7 (Mated)



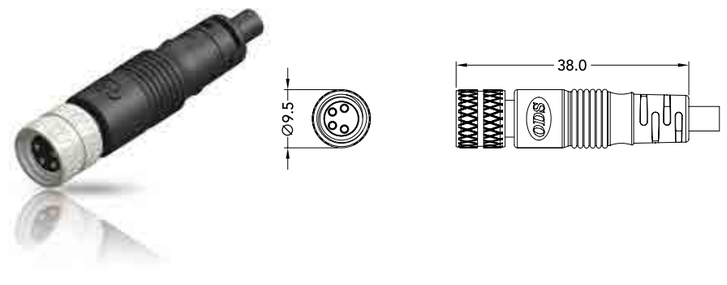
Features and Benefits

- **Male Connector, Male Pin**
- IEC compliant M8 cable assemblies with threaded couplers
- Small, compact design for miniature sensors and space sensitive applications
- Wide selection of cables to fit applications

Part Number	Contact	Current	Voltage
EAEAM03MCC-SRC7AXX	3Pin	3A	60V
EAEAM04MCC-SRC7AXX	4Pin	3A	60V
EAEAM06MAA-SRC7AXX	6Pin	1.5A	30V
EAEAM08MAA-SRC7AXX	8Pin	1.5A	30V

Part Number	Contact	Current	Voltage
EAEAM03MCC-SAC7AXX	3Pin	3A	60V
EAEAM04MCC-SAC7AXX	4Pin	3A	60V
EAEAM06MAA-SAC7AXX	6Pin	1.5A	30V
EAEAM08MAA-SAC7AXX	8Pin	1.5A	30V

M8 A-Code Cable Assembly (Metal Nut) Straight, IPX7 (Mated)

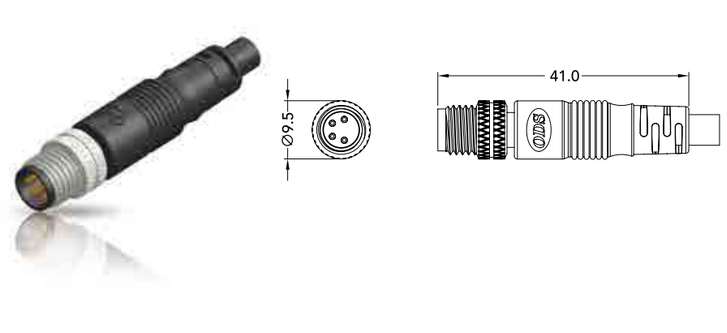


Features and Benefits

- **Female Connector, Female Pin**
- Fully shielded for high noise immunity
- IEC compliant M8 cable assemblies with threaded couplers
- Small, compact design for miniature sensors and space sensitive applications
- Wide selection of cables to fit applications

Part Number	Contact	Current	Voltage
ESEAF03FCC-SLC7AXX	3Pin	3A	60V
ESEAF04FCC-SLC7AXX	4Pin	3A	60V

M8 A-Code Cable Assembly (Metal Nut) Straight, IPX7 (Mated)



Features and Benefits

- **Male Connector, Male Pin**
- Fully shielded for high noise immunity
- IEC compliant M8 cable assemblies with threaded couplers
- Small, compact design for miniature sensors and space sensitive applications
- Wide selection of cables to fit applications

Part Number	Contact	Current	Voltage
ESEAM03MCC-SLC7AXX	3Pin	3A	60V
ESEAM04MCC-SLC7AXX	4Pin	3A	60V

M8 A-Code Cable Assembly (Plastic Nut)

Product Specifications

General Data

Number of Positions	3/4/6/8P
Coding	A-Coding
Contact Housing	Nylon + GF
Screw Nut	Nylon + GF
Terminal	Copper Alloy, Gold Plated

Electrical Data

Current Rating	3/4P: 3A ; 6/8P: 1.5A
Voltage Rating	3/4P: 60V ; 6/8P: 30V
Contact Resistance	≦ 10mΩ
Withstanding Voltage	3/4P: AC 1000V/1 Minute 6/8P: AC 650V/1 Minute
Standard	IEC61076-2-104

Environmental Data

Mating Style	Screw Thread
Max Panel Thickness	2.5mm (Without Cap Chain)
Temperature Range	-40℃ ~ +90℃
Salt Spray	48 hr.
Protection Class	IPX7 (Unmated)
Durability	100 Times

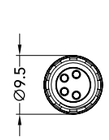
How to Order

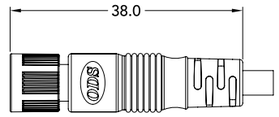
EPEA X XX X XX - SXC7XXX

- **Connector Gender**
  F - Female
  M - Male
- **Number of Contacts**
  03, 04, 06, 08
- **Contact Type**
  F - Female
  M - Male
- **Current Rating**
  AA - 1.5A (6/8P)
  CC - 3A (3/4P)
- **Back Shell**
  L- Straight (180°)
  R- Right Angle (90°) Type1
  A- Right Angle (90°) Type2
- **Cable Type / Length (m)**
  A01~A99
  B01~B99

M8 A-Code Cable Assembly (Plastic Nut) Straight, IPX7 (Mated)







Features and Benefits

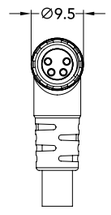
- **Female Connector, Female Pin**
- IEC compliant M8 cable assemblies with threaded couplers
- Small, compact design for miniature sensors and space sensitive applications
- Wide selection of cables to fit applications

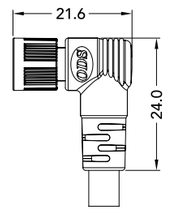
Part Number	Contact	Current	Voltage
EPEAF03FCC-SLC7AXX	3Pin	3A	60V
EPEAF04FCC-SLC7AXX	4Pin	3A	60V

Part Number	Contact	Current	Voltage
EPEAF06FAA-SLC7AXX	6Pin	1.5A	30V
EPEAF08FAA-SLC7AXX	8Pin	1.5A	30V

M8 A-Code Cable Assembly (Plastic Nut) Angled, IPX7 (Mated)







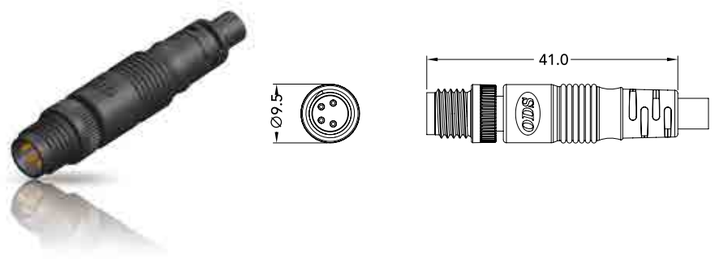
Features and Benefits

- **Female Connector, Female Pin**
- IEC compliant M8 cable assemblies with threaded couplers
- Small, compact design for miniature sensors and space sensitive applications
- Wide selection of cables to fit applications

Part Number	Contact	Current	Voltage
EPEAF03FCC-SRC7AXX	3Pin	3A	60V
EPEAF04FCC-SRC7AXX	4Pin	3A	60V
EPEAF06FAA-SRC7AXX	6Pin	1.5A	30V
EPEAF08FAA-SRC7AXX	8Pin	1.5A	30V

Part Number	Contact	Current	Voltage
EPEAF03FCC-SAC7AXX	3Pin	3A	60V
EPEAF04FCC-SAC7AXX	4Pin	3A	60V
EPEAF06FAA-SAC7AXX	6Pin	1.5A	30V
EPEAF08FAA-SAC7AXX	8Pin	1.5A	30V

M8 A-Code Cable Assembly (Plastic Nut) Straight, IPX7 (Mated)



Features and Benefits

- **Male Connector, Male Pin**
- IEC compliant M8 cable assemblies with threaded couplers
- Small, compact design for miniature sensors and space sensitive applications
- Wide selection of cables to fit applications

Part Number	Contact	Current	Voltage
EPEAM03MCC-SLC7AXX	3Pin	3A	60V
EPEAM04MCC-SLC7AXX	4Pin	3A	60V

Part Number	Contact	Current	Voltage
EPEAM06MAA-SLC7AXX	6Pin	1.5A	30V
EPEAM08MAA-SLC7AXX	8Pin	1.5A	30V

M8 A-Code Cable Assembly (Plastic Nut) Angled, IPX7 (Mated)



Features and Benefits

- **Male Connector, Male Pin**
- IEC compliant M8 cable assemblies with threaded couplers
- Small, compact design for miniature sensors and space sensitive applications
- Wide selection of cables to fit applications

Part Number	Contact	Current	Voltage
EPEAM03MCC-SRC7AXX	3Pin	3A	60V
EPEAM04MCC-SRC7AXX	4Pin	3A	60V
EPEAM06MAA-SRC7AXX	6Pin	1.5A	30V
EPEAM08MAA-SRC7AXX	8Pin	1.5A	30V

Part Number	Contact	Current	Voltage
EPEAM03MCC-SAC7AXX	3Pin	3A	60V
EPEAM04MCC-SAC7AXX	4Pin	3A	60V
EPEAM06MAA-SAC7AXX	6Pin	1.5A	30V
EPEAM08MAA-SAC7AXX	8Pin	1.5A	30V

M8 B-Code Receptacle (Metal)

Product Specifications

General Data

Number of Positions	5P
Coding	B-Coding
Contact Housing	Nylon + GF
Shell / Screw Nut	Copper Alloy, Nickel Plated
Terminal	Copper Alloy, Gold Plated

Electrical Data

Current Rating	3A
Voltage Rating	30V
Contact Resistance	≦ 10mΩ
Insulation Resistance	≧ 100MΩ at DC 500V
Withstanding Voltage	AC 650V/1 Minute
Standard	IEC 61076-2-104

Environmental Data

Mating Style	Screw Thread
Max Panel Thickness	2.5mm (Without Cap Chain)
Temperature Range	-40℃ ~ +90℃
Salt Spray	48 hr.
Protection Class	IPX7 (Unmated)
Durability	100 Times

How to Order

MME **X** **X** 05 **X** CC - SH**X**7**XXX**

Style
P - Front Fastened
R - Rear Fastened

Connector Gender
F - Female
M - Male

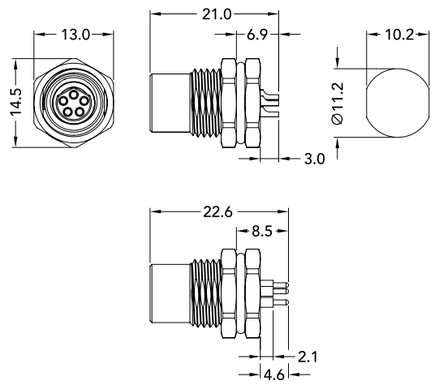
Contact Type
F - Female
M - Male

Assembly Style
S - Solder Type
P - PCB Type

Serial Number

M8 B-Code Receptacle (Metal) Front Fastened, IPX7





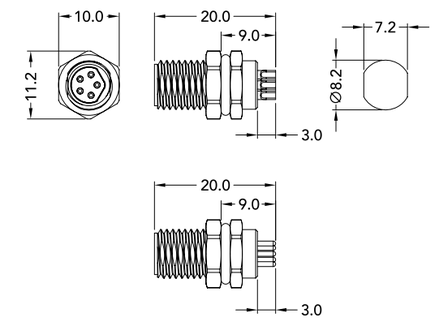
Features and Benefits

- **Female Connector, Female Pin**
- Shielded for high noise immunity
- IEC compliant M8 panel mount receptacles
- Fully potted assemblies provide IPX7 protection for harsh environments

Part Number	Contact	Current	Voltage	Ass'y Type
MMEPF05FCC-SHS7001	5Pin	3A	30V	Solder
MMEPF05FCC-SHP7001	5Pin	3A	30V	PCB Straight

M8 B-Code Receptacle (Metal) Front Fastened, IPX7





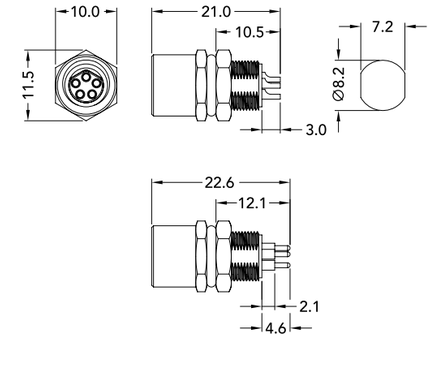
Features and Benefits

- **Male Connector, Male Pin**
- Shielded for high noise immunity
- IEC compliant M8 panel mount receptacles
- Fully potted assemblies provide IPX7 protection for harsh environments

Part Number	Contact	Current	Voltage	Ass'y Type
MMEPM05MCC-SHS7001	5Pin	3A	30V	Solder
MMEPM05MCC-SHP7001	5Pin	3A	30V	PCB Straight

M8 B-Code Receptacle (Metal) Rear Fastened, IPX7





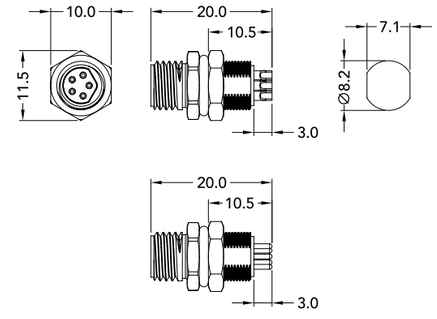
Features and Benefits

- **Female Connector, Female Pin**
- Shielded for high noise immunity
- IEC compliant M8 panel mount receptacles
- Fully potted assemblies provide IPX7 protection for harsh environments

Part Number	Contact	Current	Voltage	Ass'y Type
MMERF05FCC-SHS7001	5Pin	3A	30V	Solder
MMERF05FCC-SHP7001	5Pin	3A	30V	PCB Straight

M8 B-Code Receptacle (Metal) Rear Fastened, IPX7





Features and Benefits

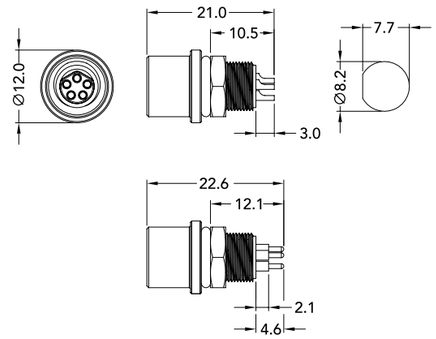
- **Male Connector, Male Pin**
- Shielded for high noise immunity
- IEC compliant M8 panel mount receptacles
- Fully potted assemblies provide IPX7 protection for harsh environments

Part Number	Contact	Current	Voltage	Ass'y Type
MMERM05MCC-SHS7001	5Pin	3A	30V	Solder
MMERM05MCC-SHP7001	5Pin	3A	30V	PCB Straight

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M8 B-Code Receptacle (Metal) Rear Fastened, IPX7





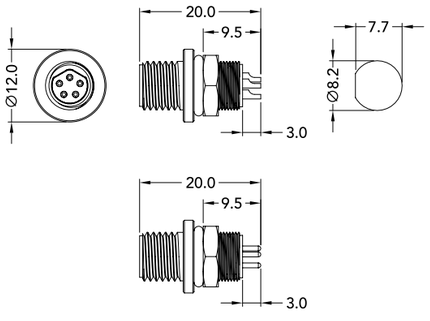
Features and Benefits

- **Female Connector, Female Pin**
- Shielded for high noise immunity
- IEC compliant M8 panel mount receptacles
- Fully potted assemblies provide IPX7 protection for harsh environments

Part Number	Contact	Current	Voltage	Ass'y Type
MMERF05FCC-SCS7001	5Pin	3A	30V	Solder
MMERF05FCC-SCP7001	5Pin	3A	30V	PCB Straight

M8 B-Code Receptacle (Metal) Rear Fastened, IPX7





Features and Benefits

- **Male Connector, Male Pin**
- Shielded for high noise immunity
- IEC compliant M8 panel mount receptacles
- Fully potted assemblies provide IPX7 protection for harsh environments

Part Number	Contact	Current	Voltage	Ass'y Type
MMERM05MCC-SCS7001	5Pin	3A	30V	Solder
MMERM05MCC-SCP7001	5Pin	3A	30V	PCB Straight

M8 B-Code Receptacle (Plastic)

Product Specifications

General Data

Number of Positions	5P
Coding	B-Coding
Contact Housing	Nylon + GF
Shell / Screw Nut	Nylon + GF
Terminal	Copper Alloy, Gold Plated

Electrical Data

Current Rating	3A
Voltage Rating	30V
Contact Resistance	≦ 10mΩ
Insulation Resistance	≧ 100MΩ at DC 500V
Withstanding Voltage	AC 650V/1 Minute
Standard	IEC 61076-2-104

Environmental Data

Mating Style	Screw Thread
Max Panel Thickness	2.5mm (Without Cap Chain)
Temperature Range	-40℃ ~ +90℃
Salt Spray	48 hr.
Protection Class	IPX7 (Unmated)
Durability	100 Times

How to Order

MPE **X** **X** 05 **X** CC - SH**X**7**XXX**

Style
P - Front Fastened
R - Rear Fastened

Connector Gender
F - Female
M - Male

Contact Type
F - Female
M - Male

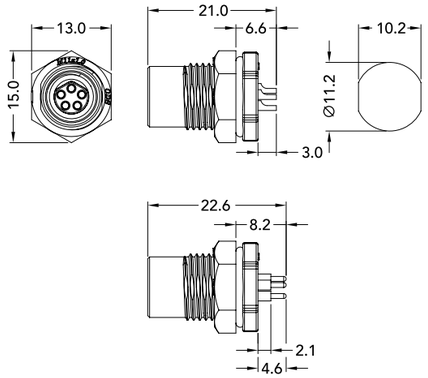
Assembly Style
S - Solder Type
P - PCB Type

Serial Number

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M8 B-Code Receptacle (Plastic) Front Fastened, IPX7





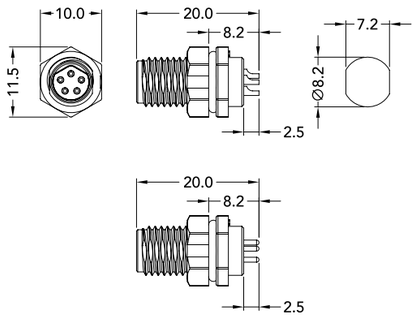
Features and Benefits

- **Female Connector, Female Pin**
- IEC compliant M8 panel mount receptacles
- Fully potted assemblies provide IPX7 protection for harsh environments

Part Number	Contact	Current	Voltage	Ass'y Type
MPEPF05FCC-SHS7001	5Pin	3A	30V	Solder
MPEPF05FCC-SHP7001	5Pin	3A	30V	PCB Straight

M8 B-Code Receptacle (Plastic) Front Fastened, IPX7





Features and Benefits

- **Male Connector, Male Pin**
- IEC compliant M8 panel mount receptacles
- Fully potted assemblies provide IPX7 protection for harsh environments

Part Number	Contact	Current	Voltage	Ass'y Type
MPEPM05MCC-SHS7001	5Pin	3A	30V	Solder
MPEPM05MCC-SHP7001	5Pin	3A	30V	PCB Straight

M8 B-Code Cable Assembly (Metal Nut)

Product Specifications

General Data

Number of Positions	5P
Coding	B-Coding
Contact Housing	Nylon + GF
Screw Nut	Copper Alloy, Nickel Plated
Terminal	Copper Alloy, Gold Plated

Electrical Data

Current Rating	3A
Voltage Rating	30V
Contact Resistance	≦ 10mΩ
Withstanding Voltage	AC 650V/1 Minute
Standard	IEC61076-2-104

Environmental Data

Mating Style	Screw Thread
Temperature Range	-20℃ ~ +80℃
Salt Spray	48 hr.
Protection Class	IPX7 (Mated)
Durability	100 Times
Assemble Type	Cable End Cut

How to Order

EAEA X 05 X CC - SXC7XXX

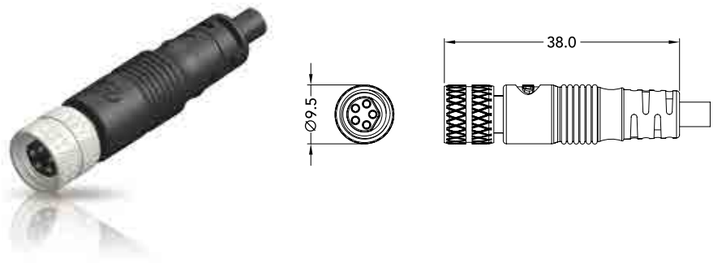
Connector Gender
F - Female
M - Male

Contact Type
F - Female
M - Male

Back Shell
L- Straight(180°)
R- Right Angle (90°) Type1
A- Right Angle (90°) Type2

Cable Type / Length (m)
A01~A99
B01~B99

M8 B-Code Cable Assembly (Metal Nut) Straight, IPX7 (Mated)



Features and Benefits

- **Female Connector, Female Pin**
- IEC compliant M8 cable assemblies with threaded couplers
- Small, compact design for miniature sensors and space sensitive applications
- Wide selection of cables to fit applications

Part Number	Contact	Current	Voltage
EAEAF05FCC-SLC7AXX	5Pin	3A	30V

M8 B-Code Cable Assembly (Metal Nut) Angled, IPX7 (Mated)



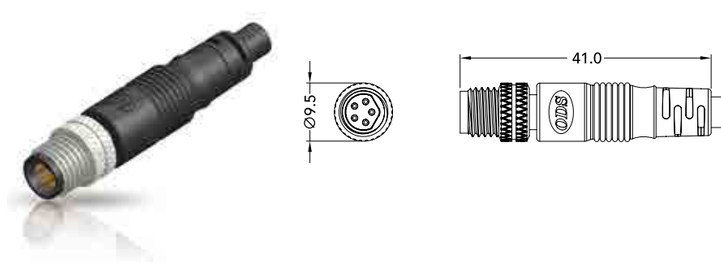
Features and Benefits

- **Female Connector, Female Pin**
- IEC compliant M8 cable assemblies with threaded couplers
- Small, compact design for miniature sensors and space sensitive applications
- Wide selection of cables to fit applications

Part Number	Contact	Current	Voltage
EAEAF05FCC-SRC7AXX	5Pin	3A	30V

Part Number	Contact	Current	Voltage
EAEAF05FCC-SAC7AXX	5Pin	3A	30V

M8 B-Code Cable Assembly (Metal Nut) Straight, IPX7 (Mated)



Features and Benefits

- **Male Connector, Male Pin**
- IEC compliant M8 cable assemblies with threaded couplers
- Small, compact design for miniature sensors and space sensitive applications
- Wide selection of cables to fit applications

Part Number	Contact	Current	Voltage
EAEAM05MCC-SLC7AXX	5Pin	3A	30V

M8 B-Code Cable Assembly (Metal Nut) Angled, IPX7 (Mated)



Features and Benefits

- **Male Connector, Male Pin**
- IEC compliant M8 cable assemblies with threaded couplers
- Small, compact design for miniature sensors and space sensitive applications
- Wide selection of cables to fit applications

Part Number	Contact	Current	Voltage
EAEAM05MCC-SRC7AXX	5Pin	3A	30V

Part Number	Contact	Current	Voltage
EAEAM05MCC-SAC7AXX	5Pin	3A	30V

M8 B-Code Cable Assembly (Plastic Nut)

Product Specifications

General Data

Number of Positions	5P
Coding	B-Coding
Contact Housing	Nylon + GF
Screw Nut	Nylon + GF
Terminal	Copper Alloy, Gold Plated

Electrical Data

Current Rating	3A
Voltage Rating	30V
Contact Resistance	≦ 10mΩ
Withstanding Voltage	AC 650V/1 Minute
Standard	IEC61076-2-104

Environmental Data

Mating Style	Screw Thread
Temperature Range	-20℃ ~ +80℃
Salt Spray	48 hr.
Protection Class	IPX7 (Mated)
Durability	100 Times
Assemble Type	Cable End Cut

How to Order

EPEA **X** 05 **X** CC - S**X**C7**XXX**

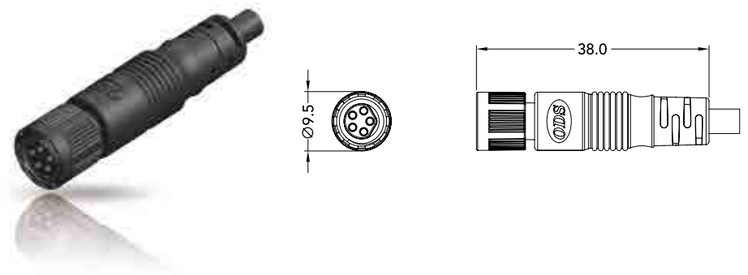
Connector Gender
F – Female
M – Male

Contact Type
F – Female
M – Male

Back Shell
L- Straight(180°)
R- Right Angle (90°) Type1
A- Right Angle (90°) Type2

Cable Type / Length (m)
A01~A99
B01~B99

M8 B-Code Cable Assembly (Plastic Nut) Straight, IPX7 (Mated)



Features and Benefits

- **Female Connector, Female Pin**
- IEC compliant M8 panel mount receptacles
- Fully potted assemblies provide IPX7 protection for harsh environments

Part Number	Contact	Current	Voltage
EPEAF05FCC-SLC7AXX	5Pin	3A	30V

M8 B-Code Cable Assembly (Plastic Nut) Angled, IPX7 (Mated)



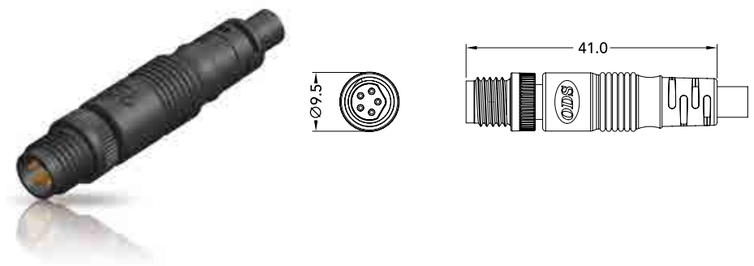
Features and Benefits

- **Female Connector, Female Pin**
- IEC compliant M8 panel mount receptacles
- Fully potted assemblies provide IPX7 protection for harsh environments

Part Number	Contact	Current	Voltage
EPEAF05FCC-SRC7AXX	5Pin	3A	30V

Part Number	Contact	Current	Voltage
EPEAF05FCC-SAC7AXX	5Pin	3A	30V

M8 B-Code Cable Assembly (Plastic Nut) Straight, IPX7 (Mated)



Features and Benefits

- **Male Connector, Male Pin**
- IEC compliant M8 cable assemblies with threaded couplers
- Small, compact design for miniature sensors and space sensitive applications
- Wide selection of cables to fit applications

Part Number	Contact	Current	Voltage
EPEAM05MCC-SLC7AXX	5Pin	3A	30V

M8 B-Code Cable Assembly (Plastic Nut) Angled, IPX7 (Mated)



Features and Benefits

- **Male Connector, Male Pin**
- IEC compliant M8 cable assemblies with threaded couplers
- Small, compact design for miniature sensors and space sensitive applications
- Wide selection of cables to fit applications

Part Number	Contact	Current	Voltage
EPEAM05MCC-SRC7AXX	5Pin	3A	30V

Part Number	Contact	Current	Voltage
EPEAM05MCC-SAC7AXX	5Pin	3A	30V

M8 Function Key Receptacle (Metal)

Product Specifications

General Data

Number of Positions	3P, 4P
Coding	Function Key
Contact Housing	Nylon + GF
Shell / Screw Nut	Copper Alloy, Nickel Plated
Terminal	Copper Alloy, Gold Plated

Electrical Data

Current Rating	3/4P: 3A
Voltage Rating	3/4P: 60V
Contact Resistance	≦ 10mΩ
Insulation Resistance	≧ 100MΩ at DC 500V
Withstanding Voltage	3/4P: AC 1000V/1 Minute
Standard	N/A

Environmental Data

Mating Style	Screw Thread
Max Panel Thickness	2.5mm (Without Cap Chain)
Temperature Range	-40℃ ~ +90℃
Salt Spray	48 hr.
Protection Class	IPX7 (Unmated)
Durability	100 Times

How to Order

MM **F** **X** **X** **XX** **X** CC - SH**X**7**XXX**

Coding
F - Function Code (w/ key)

Style
P - Front Fastened
R - Rear Fastened

Connector Gender
F - Female
M - Male

Number of Contacts
03, 04

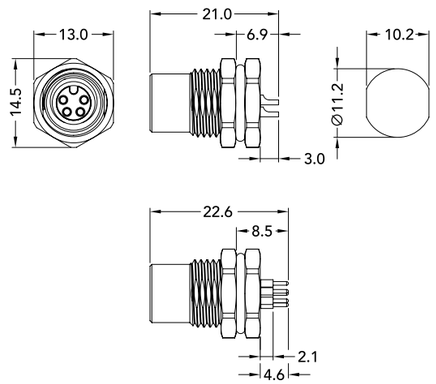
Contact Type
F - Female
M - Male

Assembly Style
S - Solder Type
P - PCB Type

Serial Number

M8 Function Key Receptacle (Metal) Front Fastened, IPX7





Features and Benefits

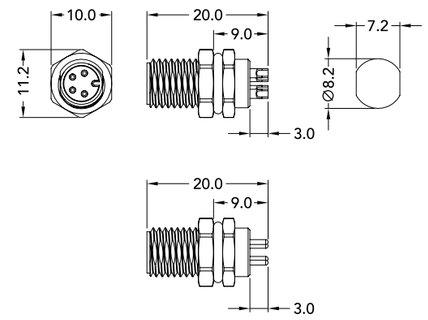
- **Female Connector, Female Pin**
- Shielded for high noise immunity
- Function-keyed M8 panel mount receptacles
- Fully potted assemblies provide IPX7 protection for harsh environments

Part Number	Contact	Current	Voltage	Ass'y Type
MMFPF03FCC-SHS7001	3Pin	3A	60V	Solder
MMFPF04FCC-SHS7001	4Pin	3A	60V	Solder

Part Number	Contact	Current	Voltage	Ass'y Type
MMFPF03FCC-SHP7001	3Pin	3A	60V	PCB Straight
MMFPF04FCC-SHP7001	4Pin	3A	60V	PCB Straight

M8 Function Key Receptacle (Metal) Front Fastened, IPX7





Features and Benefits

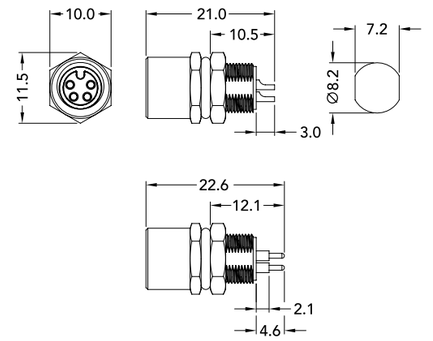
- **Male Connector, Male Pin**
- Shielded for high noise immunity
- Function-keyed M8 panel mount receptacles
- Fully potted assemblies provide IPX7 protection for harsh environments

Part Number	Contact	Current	Voltage	Ass'y Type
MMFPM03MCC-SHS7001	3Pin	3A	60V	Solder
MMFPM04MCC-SHS7001	4Pin	3A	60V	Solder

Part Number	Contact	Current	Voltage	Ass'y Type
MMFPM03MCC-SHP7001	3Pin	3A	60V	PCB Straight
MMFPM04MCC-SHP7001	4Pin	3A	60V	PCB Straight

M8 Function Key Receptacle (Metal) Rear Fastened, IPX7





Features and Benefits

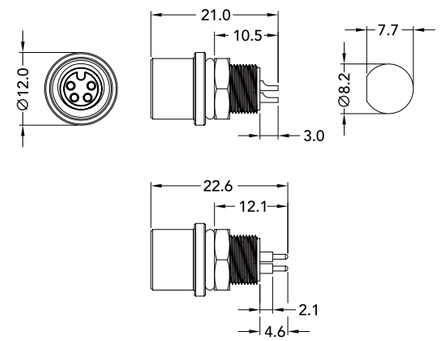
- **Female Connector, Female Pin**
- Shielded for high noise immunity
- Function-keyed M8 panel mount receptacles
- Fully potted assemblies provide IPX7 protection for harsh environments

Part Number	Contact	Current	Voltage	Ass'y Type
MMFRF03FCC-SHS7001	3Pin	3A	60V	Solder
MMFRF04FCC-SHS7001	4Pin	3A	60V	Solder

Part Number	Contact	Current	Voltage	Ass'y Type
MMFRF03FCC-SHP7001	3Pin	3A	60V	PCB Straight
MMFRF04FCC-SHP7001	4Pin	3A	60V	PCB Straight

M8 Function Key Receptacle (Metal) Rear Fastened, IPX7





Features and Benefits

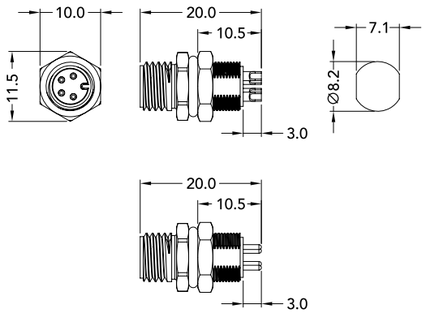
- **Female Connector, Female Pin**
- Shielded for high noise immunity
- Function-keyed M8 panel mount receptacles
- Fully potted assemblies provide IPX7 protection for harsh environments

Part Number	Contact	Current	Voltage	Ass'y Type
MMFRF03FCC-SCS7001	3Pin	3A	60V	Solder
MMFRF04FCC-SCS7001	4Pin	3A	60V	Solder

Part Number	Contact	Current	Voltage	Ass'y Type
MMFRF03FCC-SCP7001	3Pin	3A	60V	PCB Straight
MMFRF04FCC-SCP7001	4Pin	3A	60V	PCB Straight

M8 Function Key Receptacle (Metal) Rear Fastened, IPX7





Features and Benefits

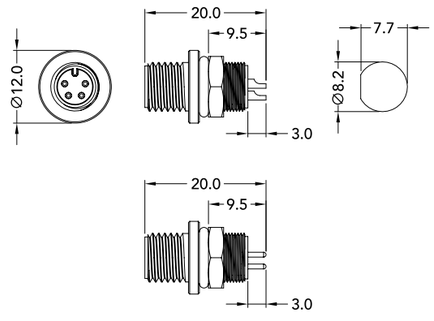
- **Male Connector, Male Pin**
- Shielded for high noise immunity
- Function-keyed M8 panel mount receptacles
- Fully potted assemblies provide IPX7 protection for harsh environments

Part Number	Contact	Current	Voltage	Ass'y Type
MMFRM03MCC-SHS7001	3Pin	3A	60V	Solder
MMFRM04MCC-SHS7001	4Pin	3A	60V	Solder

Part Number	Contact	Current	Voltage	Ass'y Type
MMFRM03MCC-SHP7001	3Pin	3A	60V	PCB Straight
MMFRM04MCC-SHP7001	4Pin	3A	60V	PCB Straight

M8 Function Key Receptacle (Metal) Rear Fastened, IPX7





Features and Benefits

- **Male Connector, Male Pin**
- Shielded for high noise immunity
- Function-keyed M8 panel mount receptacles
- Fully potted assemblies provide IPX7 protection for harsh environments

Part Number	Contact	Current	Voltage	Ass'y Type
MMFRM03MCC-SCS7001	3Pin	3A	60V	Solder
MMFRM04MCC-SCS7001	4Pin	3A	60V	Solder

Part Number	Contact	Current	Voltage	Ass'y Type
MMFRM03MCC-SCP7001	3Pin	3A	60V	PCB Straight
MMFRM04MCC-SCP7001	4Pin	3A	60V	PCB Straight

M8 Function Key Receptacle (Plastic)

Product Specifications

General Data

Number of Positions	3P, 4P
Coding	Function Key
Contact Housing	Nylon + GF
Shell / Screw Nut	Nylon + GF
Terminal	Copper Alloy, Gold Plated

Electrical Data

Current Rating	3/4P: 3A
Voltage Rating	3/4P: 60V
Contact Resistance	≦ 10mΩ
Insulation Resistance	≧ 100MΩ at DC 500V
Withstanding Voltage	3/4P: AC 1000V/1 Minute
Standard	N/A

Environmental Data

Mating Style	Screw Thread
Max Panel Thickness	2.5mm (Without Cap Chain)
Temperature Range	-40℃ ~ +90℃
Salt Spray	48 hr.
Protection Class	IPX7 (Unmated)
Durability	100 Times

How to Order

MP F PF XX FCC - SHX7XXX

Coding
F - Function Code (w/ key)

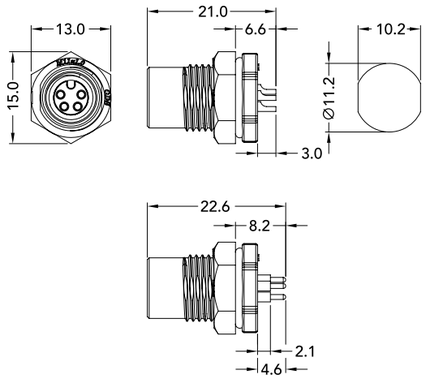
Number of Contacts
03, 04

Assembly Style
S - Solder Type
P - PCB Type

Serial Number

M8 Function Key Receptacle (Plastic) Front Fastened, IPX7





Features and Benefits

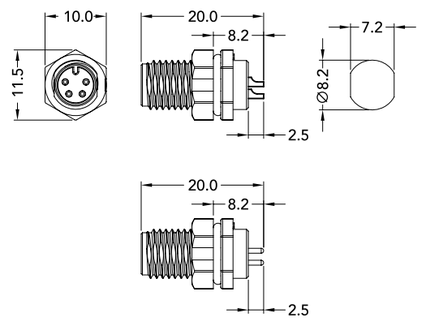
- **Female Connector, Female Pin**
- Function-keyed M8 panel mount receptacles
- Fully potted assemblies provide IPX7 protection for harsh environments

Part Number	Contact	Current	Voltage	Ass'y Type
MPFPF03FCC-SHS7001	3Pin	3A	60V	Solder
MPFPF04FCC-SHS7001	4Pin	3A	60V	Solder

Part Number	Contact	Current	Voltage	Ass'y Type
MPFPF03FCC-SHP7001	3Pin	3A	60V	PCB Straight
MPFPF04FCC-SHP7001	4Pin	3A	60V	PCB Straight

M8 Function Key Receptacle (Plastic) Front Fastened, IPX7





Features and Benefits

- **Male Connector, Male Pin**
- Function-keyed M8 panel mount receptacles
- Fully potted assemblies provide IPX7 protection for harsh environments

Part Number	Contact	Current	Voltage	Ass'y Type
MPFPM03MCC-SHS7001	3Pin	3A	60V	Solder
MPFPM04MCC-SHS7001	4Pin	3A	60V	Solder

Part Number	Contact	Current	Voltage	Ass'y Type
MPFPM03MCC-SHP7001	3Pin	3A	60V	PCB Straight
MPFPM04MCC-SHP7001	4Pin	3A	60V	PCB Straight

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M8 Function Key Cable Assembly

Product Specifications

General Data

Number of Positions	3P, 4P
Coding	Function Key
Contact Housing	Nylon + GF
Screw Nut	Copper Alloy, Nickel Plated
Terminal	Copper Alloy, Gold Plated

Electrical Data

Current Rating	3/4P: 3A
Voltage Rating	3/4P: 60V
Contact Resistance	≦ 10mΩ
Withstanding Voltage	3/4P: AC 1000V/1 Minute
Standard	N/A

Environmental Data

Mating Style	Screw Thread
Temperature Range	-20℃ ~ +80℃
Salt Spray	48 hr.
Protection Class	IPX7 (Mated)
Durability	100 Times
Assemble Type	Cable End Cut

How to Order

EX F A X XX X CC - SXC7XXX

Series
EA – Plastic Housing Metal Nut
EP – Plastic Housing Plastic Nut

Coding
F – Function Code (w/ key)

Connector Gender
F – Female
M – Male

Number of Contacts
03, 04

Contact Type
F – Female
M – Male

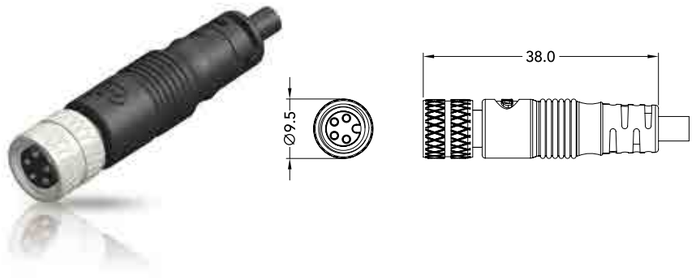
Back Shell
L- Straight (180°)
R- Right Angle (90°) Type1
A- Right Angle (90°) Type2

Cable Type / Length (m)
A01~A99
B01~B99

ODS Electronics
Sensor M8
Quality Products Innovative Solution

M8 Function Key Cable Assembly (Metal Nut)

Straight, IPX7 (Mated)



Features and Benefits

- **Female Connector, Female Pin**
- Function-keyed M8 cable assemblies with threaded couplers
- Small, compact design for miniature sensors and space sensitive applications
- Wide selection of cables to fit applications

Part Number	Contact	Current	Voltage
EAFAF03FCC-SLC7AXX	3Pin	3A	60V
EAFAF04FCC-SLC7AXX	4Pin	3A	60V

M8 Function Key Cable Assembly (Metal Nut)

Angled, IPX7 (Mated)



Features and Benefits

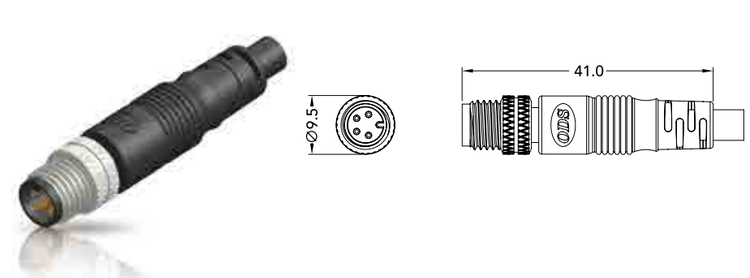
- **Female Connector, Female Pin**
- Function-keyed M8 cable assemblies with threaded couplers
- Small, compact design for miniature sensors and space sensitive applications
- Wide selection of cables to fit applications

Part Number	Contact	Current	Voltage
EAFAF03FCC-SRC7AXX	3Pin	3A	60V
EAFAF04FCC-SRC7AXX	4Pin	3A	60V

Part Number	Contact	Current	Voltage
EAFAF03FCC-SAC7AXX	3Pin	3A	60V
EAFAF04FCC-SAC7AXX	4Pin	3A	60V

M8 Function Key Cable Assembly (Metal Nut)

Straight, IPX7 (Mated)



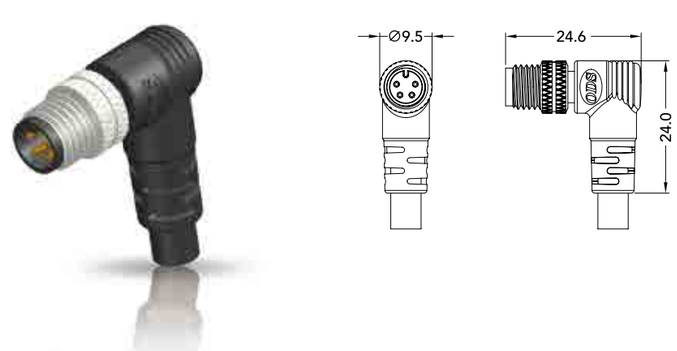
Features and Benefits

- **Male Connector, Male Pin**
- Function-keyed M8 cable assemblies with threaded couplers
- Small, compact design for miniature sensors and space sensitive applications
- Wide selection of cables to fit applications

Part Number	Contact	Current	Voltage
EAFAM03MCC-SLC7AXX	3Pin	3A	60V
EAFAM04MCC-SLC7AXX	4Pin	3A	60V

M8 Function Key Cable Assembly (Metal Nut)

Angled, IPX7 (Mated)



Features and Benefits

- **Male Connector, Male Pin**
- Function-keyed M8 cable assemblies with threaded couplers
- Small, compact design for miniature sensors and space sensitive applications
- Wide selection of cables to fit applications

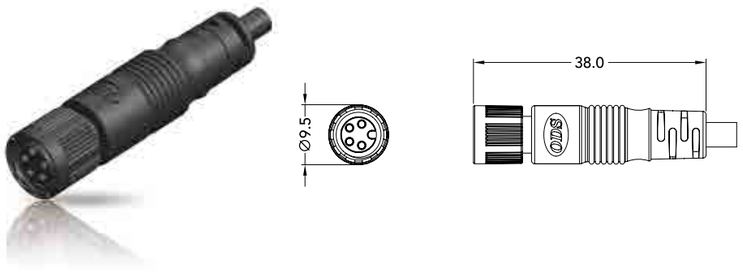
Part Number	Contact	Current	Voltage
EAFAM03MCC-SRC7AXX	3Pin	3A	60V
EAFAM04MCC-SRC7AXX	4Pin	3A	60V

Part Number	Contact	Current	Voltage
EAFAM03MCC-SAC7AXX	3Pin	3A	60V
EAFAM04MCC-SAC7AXX	4Pin	3A	60V

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M8 Function Key Cable Assembly (Plastic Nut)

Straight, IPX7 (Mated)



Features and Benefits

- **Female Connector, Female Pin**
- Function-keyed M8 cable assemblies with threaded couplers
- Small, compact design for miniature sensors and space sensitive applications
- Wide selection of cables to fit applications

Part Number	Contact	Current	Voltage
EPFAF03FCC-SLC7AXX	3Pin	3A	60V
EPFAF04FCC-SLC7AXX	4Pin	3A	60V

M8 Function Key Cable Assembly (Plastic Nut)

Angled, IPX7 (Mated)



Features and Benefits

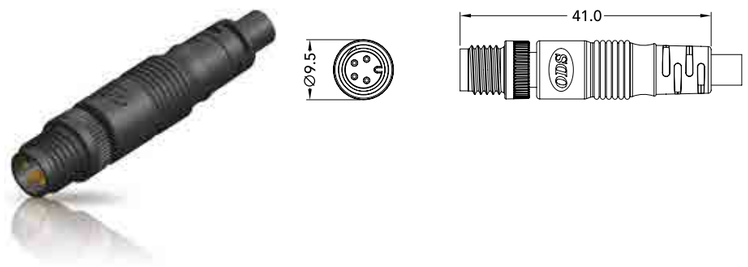
- **Female Connector, Female Pin**
- Function-keyed M8 cable assemblies with threaded couplers
- Small, compact design for miniature sensors and space sensitive applications
- Wide selection of cables to fit applications

Part Number	Contact	Current	Voltage
EPFAF03FCC-SRC7AXX	3Pin	3A	60V
EPFAF04FCC-SRC7AXX	4Pin	3A	60V

Part Number	Contact	Current	Voltage
EPFAF03FCC-SAC7AXX	3Pin	3A	60V
EPFAF04FCC-SAC7AXX	4Pin	3A	60V

M8 Function Key Cable Assembly (Plastic Nut)

Straight, IPX7 (Mated)



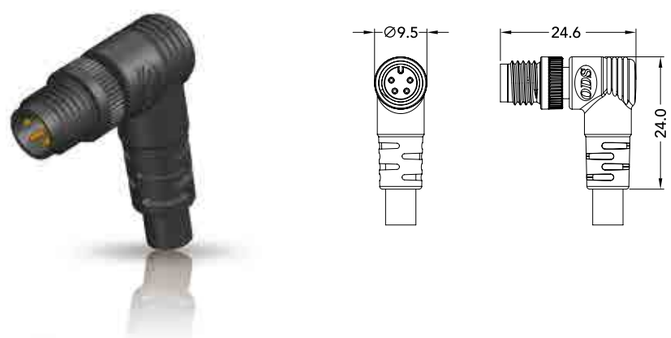
Features and Benefits

- **Male Connector, Male Pin**
- Function-keyed M8 cable assemblies with threaded couplers
- Small, compact design for miniature sensors and space sensitive applications
- Wide selection of cables to fit applications

Part Number	Contact	Current	Voltage
EPFAM03MCC-SLC7AXX	3Pin	3A	60V
EPFAM04MCC-SLC7AXX	4Pin	3A	60V

M8 Function Key Cable Assembly (Plastic Nut)

Angled, IPX7 (Mated)



Features and Benefits

- **Male Connector, Male Pin**
- Function-keyed M8 cable assemblies with threaded couplers
- Small, compact design for miniature sensors and space sensitive applications
- Wide selection of cables to fit applications

Part Number	Contact	Current	Voltage
EPFAM03MCC-SRC7AXX	3Pin	3A	60V
EPFAM04MCC-SRC7AXX	4Pin	3A	60V

Part Number	Contact	Current	Voltage
EPFAM03MCC-SAC7AXX	3Pin	3A	60V
EPFAM04MCC-SAC7AXX	4Pin	3A	60V

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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

