

IP 65 . 67 . 68

Receptacle | Unmated
Overmolded with Cable | Mated
Field Installable | Mated

M Series Sensor Connector



M8 / Guided M8



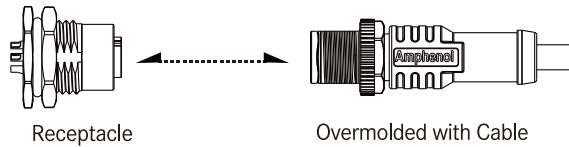
M12



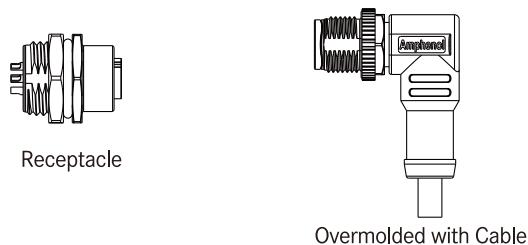
HDSC / M23

Range Overview

Receptacle to Overmolded with Cable

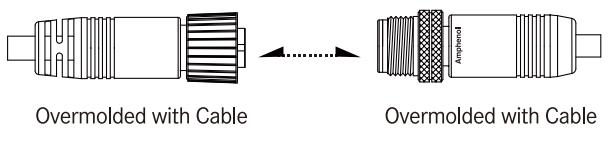


Receptacle Overmolded with Cable

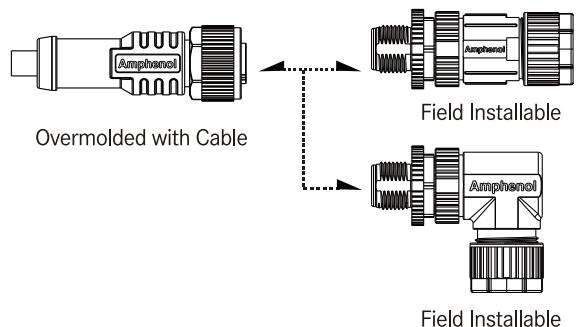


Receptacle Overmolded with Cable

In Line



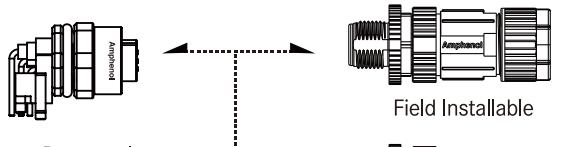
Oversmolded with Cable Oversmolded with Cable



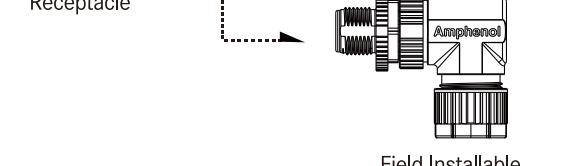
Oversmolded with Cable Field Installable

Field Installable

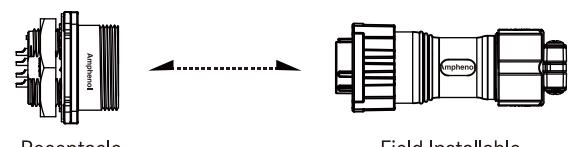
Receptacle to Field Installable



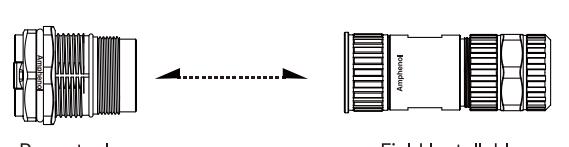
Receptacle Field Installable



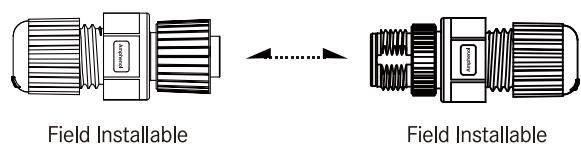
Field Installable



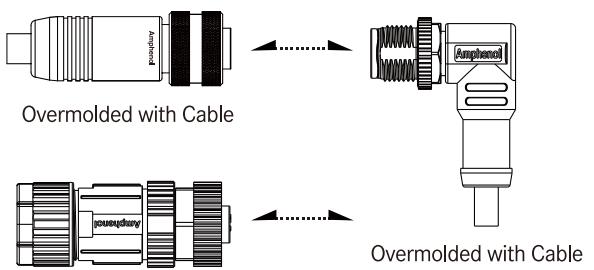
Field Installable



Field Installable

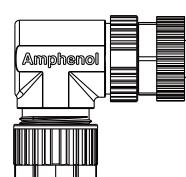


Field Installable Field Installable



Oversmolded with Cable

Oversmolded with Cable

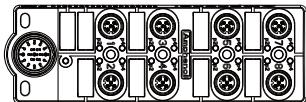


IP 65 . 67 . 68

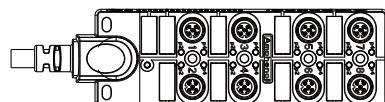
Receptacle | Unmated
Overmolded with Cable | Mated
Field Installable | Mated

Range Overview

↳ Passive Distribution Box

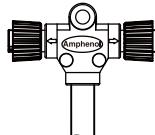


With Homerun Connector



With Cable

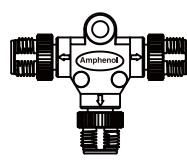
↳ Accessories



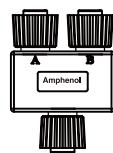
T Cable



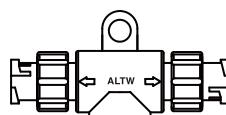
Y Cable



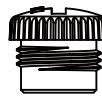
T Adaptor



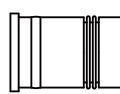
Y Adaptor



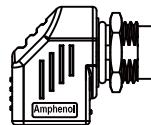
I Adaptor



Waterproof Cap



Insert



M12 to RJ45 Adaptor

Specification | M Sensor Connector

Identifications	M8, M10.5, M12 (A, B, D, S, T, X code), Heavy Duty Shielded Connector, M23
Description	Receptacle Overmolded with Cable Field Installable
Current Rating / Data	1.5A~28A
Operating Voltage	2~4 Pins : 250V 5 Pins : 60V 6 ~ 12 Pins : 30V
Contact Resistance	$\leq 10\text{m}\Omega$
Voltage Proof	3 ~ 4 Pins : 1.4 KVrms 5 Pins : 1.0 KVrms 6 ~ 8 Pins : 0.65 KVrms
Waterproof Rating	IP65 / 67 / 68
Temperature Range	Receptacle: -40°C~105°C Overmolded with Cable: PVC Cable: -20°C~80°C PU Cable: -20°C~85°C Field Installable: -40°C~105°C * Higher working temperature upon request.
Mating Cycle	100* Minimum
Vibration	10 ~ 500 Hz and 0.35 mm
Material	Contacts: Copper Alloy, Gold Plated Connector Body (Housing) : Nylon+GF or PU, UL Recognized Shield: Zinc Alloy or Copper Alloy, Nickel Plated
Standard Cable Length	01~99M
Standards	IEC 61076-2-101 IEC 61076-2-104

【Note】 Design and specification are subject to change without notice.

Specification | Passive Distribution Box

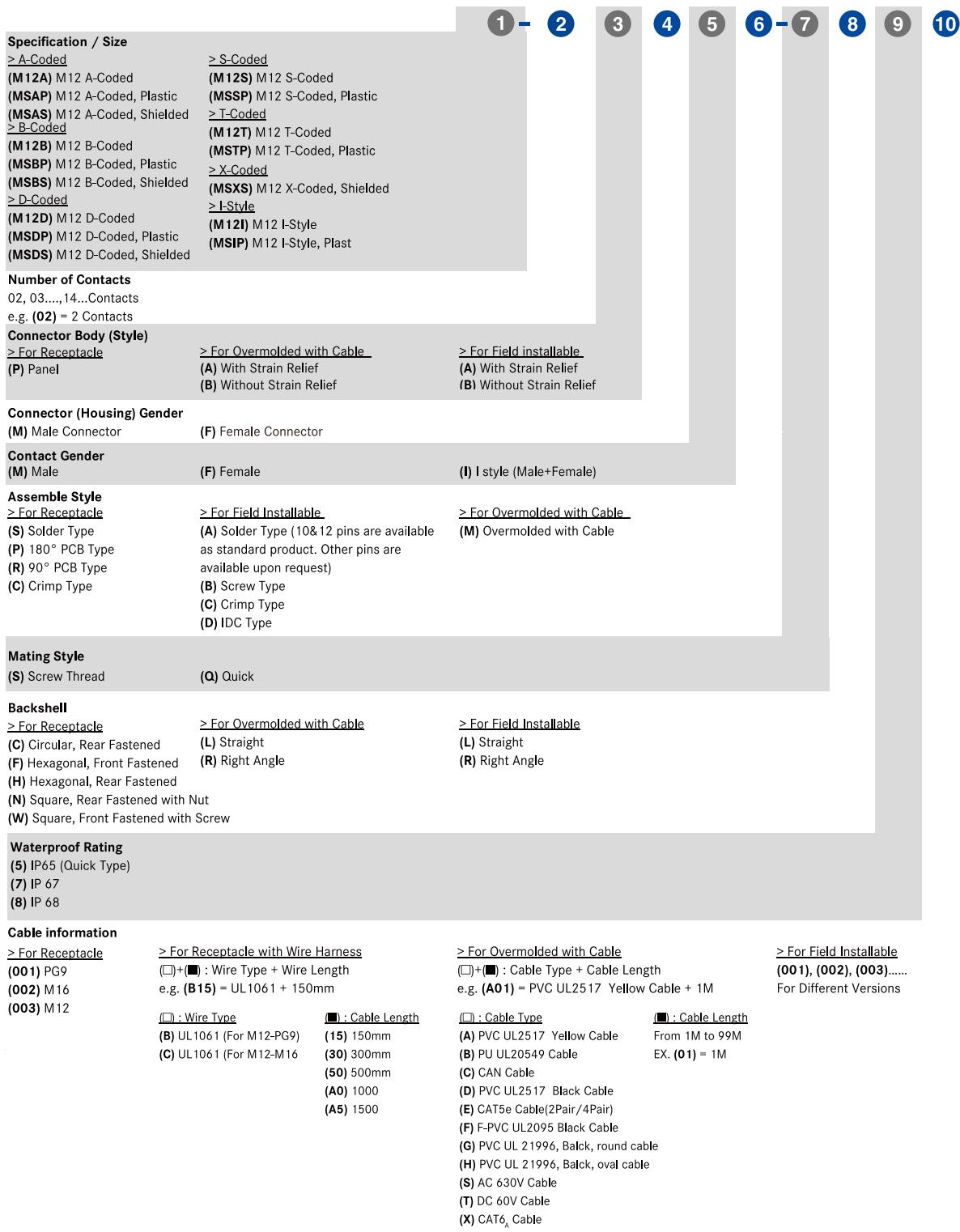
Identifications	M8 Passive Distribution Box M12 Passive Distribution Box
Description	With Cable With Homerun Connector
Current Load Per Port	M8 Distribution Box: 2A (Max.) M12 Distribution Box: 2A (Max.)
Current Sum max.	M8 Distribution Box: 6A (Max.) M12 Distribution Box: 12A (Max.)
Operating Voltage	24V DC Nominal (10~30V)
Contact Resistance	<10mΩ
Switching Output	PNP
Power Indicator	LED, Green
Function Indicator	LED, Yellow
Waterproof Rating	M8 Distribution Box: IP 67 Unmated M12 Distribution Box: IP 67 Unmated
Temperature Range	With Cable: -20°C ~ 80°C With Homerun Connector: -25°C ~ 90°C
Vibration	10 to 500 Hz and 0.35mm
Material	Conn. Housing: PA66 Box: PBT+PC Contacts: Copper Alloy, Gold Plated O-ring: Silicone Shell: Zinc Die Cast, Nickel Plated
Standard Cable Length	5M, 10M, 15M, 20M & 30M
Standards	IEC 61076-2-101

Ordering Information | M8 / Guided M8 / M10.5 / M23 / HDSC

1	2	3	4	5	6	7	8	9	10
Specification / Size									
> M8 Size	> M10.5 Size								
(8) M8	(105) M10.5								
(8P) M8, Plastic	> M23 Size								
(M8S) M8, Shielded	(LJ23) Shielded, Salt Spray Test 48H, 28A								
> M8 Size with Key, Guided M8	> Heavy Duty Shielded Connector (HDSC)								
(8A) M8 with Key	(HB20) Shielded, Salt Spray Test 500H, 10A								
(8AP) M8 with Key, Plastic	(LB20) Shielded, Salt Spray Test 48H, 10A								
(8H) M8 with Key, Power (3A) +Data (1.5A)	(HC20) Shielded, Salt Spray Test 500H, 20A								
(8HP) M8 with Key, Plastic, Power (3A) +Data (1.5A)	(LC20) Shielded, Salt Spray Test 48H, 20A								
(M8AS) M8 with Key, Shielded	(HD20) Shielded, Salt Spray Test 500H, 5A								
	(LD20) Shielded, Salt Spray Test 48H, 5A								
Number of Contacts									
02, 03,...,14...Contacts									
EX. (02) = 2 Contacts									
Connector Body (Style)									
> For Receptacle	> For Overmolded with Cable	> For Field installable							
(P) Panel	(A) With Strain Relief	(B) Without Strain Relief							
Connector (Housing) Gender									
(M) Male Connector	(F) Female Connector								
Contact Gender									
(M) Male	(F) Female								
Assemble Style									
> For Receptacle	> For Overmolded with Cable	> For Field Installable							
(S) Solder Type	(M) Overmolded with Cable	(A) Solder Type							
(P) 180° PCB Type		(B) Screw Type							
(R) 90° PCB Type		(C) Crimp Type							
(C) Crimp Type		(D) IDC Type							
Mating Style									
(S) Screw Thread	(Q) Quick								
Backshell									
> For Receptacle	> For Overmolded with Cable	> For Field installable							
(C) Circular, Rear Fastened	(L) Straight	(L) Straight							
(F) Hexagonal, Front Fastened	(R) Right Angle	(R) Right Angle							
(H) Hexagonal, Rear Fastened									
(N) Square, Rear Fastened with Nut									
(W) Square, Front Fastened with Screw									
Waterproof Rating									
(5) IP65 (Quick Type)									
(7) IP 67									
(8) IP 68									
More Information									
> For Receptacle	> For Receptacle with Wire Harness	> For Overmolded with Cable	> For Field Installable						
(001), (002), (003).....	(□)+(■) : Cable Type + Wire Length	(□)+(■) : Cable Type + Cable Length	(001), (002), (003).....						
e.g. (001) With Logo	e.g. (A15) = UL 1007 Cable + 150mm	e.g. (A01) = UL2464 Cable + 1M	For Different Versions						
(002) With Logo	(□) : Cable Type	(□) : Wire Length	(□) : Cable Type						
	(A) UL 1007 Cable (For M8)	(15) 150mm	(A) PVC UL2464 Cable						
		(30) 300mm	(B) PU VW-1 Cable						
		(50) 500mm							
		(A0) 1000mm							
		(A5) 1500mm							
			From 1M to 99M						
			EX. (01) = 1M						

【Note】 Design and specification are subject to change without notice.

Ordering Information | M12



Ordering Information | M8 SMT

**Specification / Size**

(M8S) M8, Shielded

Number of Contacts

03, 04 Contacts

EX. (03) = 3 Contacts

Connector Body (Style)

> For Receptacle

(P) Panel

Connector (Housing) Gender

(M) Male Connector

(F) Female Connector

Contact Gender

(M) Male

(F) Female

Assemble Style

> For Receptacle

(T) SMT Type

Mating Style

(E) None

Backshell

> For Receptacle

(E) None

Waterproof Rating

(8) IP 68(Mated), IP65(Unmated)

More Information

> For Receptacle

(001), (002), (003).....

Ordering Information | M12 SMT

1 - 2 3 4 5 6 - 7 8 9 10

Specification / Size

> A-Coded

(MSAS) M12 A-Coded, Shielded

> B-Coded

(MSBS) M12 B-Coded, Shielded

> D-Coded

(MSDS) M12 D-Coded, Shielded

Number of Contacts

04, 05, 08 Contacts

EX. (04) = 4 Contacts

Connector Body (Style)

> For Receptacle

(P) Panel

Connector (Housing) Gender

(M) Male Connector

(F) Female Connector

Contact Gender

(M) Male

(F) Female

Assemble Style

> For Receptacle

(T) SMT Type

Mating Style

(E) None

Backshell

> For Receptacle

(E) None

Waterproof Rating

(8) IP 68 (Mated), IP65 (Unmated)

Cable Information

> For Receptacle

(001), (002), (003)...

Ordering Information | Combo



Specification (1st End)

- (RJ) RJ Unshield
- (RJS) RJ Shielded
- (RJ8) RJ Unshield (13/16" - 16 UN)
- (RS8) RJ Shielded (13/16" - 16 UN)

Specification (2nd End)

- (12A) M12 A-Coded
- (12B) M12 B-Coded
- (12D) M12 D-Coded
- (12X) M12 X-Coded

Number of Contacts (2st End)

02, 03..., 14...Contacts
EX. (02) = 2 Contacts

Contact Gender (2st End)

- (M) Male
- (F) Female

Connector (Housing) Gender (2st End)

- (M) Male Connector
- (F) Female Connector

Style

- (L) Straight 180°Type
- (R) Right Angle 90°Type

Mating Style

- (S) Screw Thread

Waterproof Rating

- (6) IP 66
- (7) IP 67
- (8) IP 68

Information

- (001), (002), (003).....
- For Different Versions

Ordering Information | Passive Distribution Box

IP 65 . 67 . 68

Receptacle | Unmated
Overmolded with Cable | Mated
Field Installable | Mated



Specification / Size

> With M8 Connectors
(DB8) M8 Connector

> With M12 Connectors
(DB12) M12 Sensor Connector

Number of Contacts
02, 03,...,14...Contacts
e.g. (02) = 2 Contacts

Code

- (A) A Code
- (B) B Code
- (C) C Code

Ports

- (4) 4 Ports
- (6) 6 Ports
- (8) 8 Ports
- (10) 10 Ports (For M8 Connectors Only)

Homerun Connector

- | | |
|---------------------|----------------------|
| (M8) M8 Connector | (M23) M23 Connector |
| (M12) M12 Connector | (TBK) Terminal Block |
| (M16) M16 Connector | (CAB) Cable |

Signal Output

- (0) None
- (S) Single
- (D) Dual

Switching Output

- (0) None
- (S) PNP
- (D) NPN

Mating Style

- (L) Lock
- (S) Screw
- (Q) Quick

Waterproof Rating

- | | |
|------------------------|-----------|
| (5) IP 65 (Quick Type) | (7) IP 67 |
| (6) IP 66 | (8) IP 68 |

For More Information

> Without Cable

(001), (002), (003).....
For Different Versions

> With Cable

(□)+(■) : Cable Type + Cable Length
e.g. (A01) = PVC UL2517 Cable + 1M

□ : Cable Type

- (A) PVC UL2517 Cable
- (B) PU 20549 Cable
- (C) Hi-Flex Cable
- (D) DeviceNet / NMEA
- (E) Ethernet
- (F) ProfiBus
- (P) ProfiNet

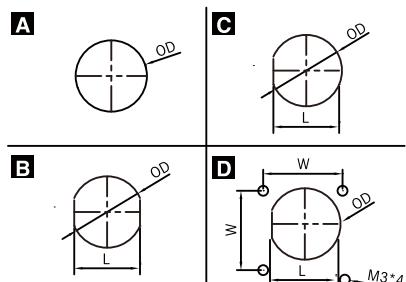
■ : Cable Length

From 1M to 99M
e.g. (01) = 1M

Physical Dimension

↳ Receptacle

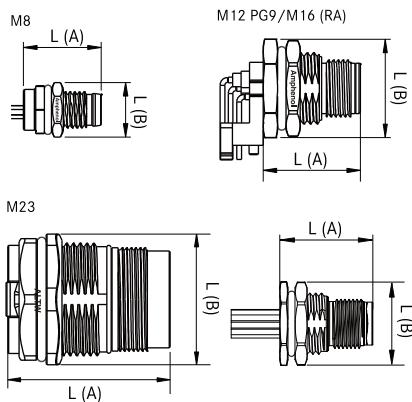
Panel Cut-Out



Size		Dimension		Type	L / W	OD	Type	L / W	OD		
Size	Thread Description	Female		Male							
M105	M10.5 X 0.75			-	-	-	A	-	10.9		
	M8			B	7.1	8.1	B	7.1	8.1		
				-	-	-	A	-	8.1		
M12	M12 X 1.0 - PG9			B	13.6	15.4	B	13.6	15.4		
	M12 X 1.0 - M16.0 X 1.5			B	13.6	16.1	B	13.6	16.1		
	M12.0 X 1.0			B	10.5	12.2	B	10.5	12.2		
HDSC*	M22 X 1.0			-	-	-	C	19.2	20.2		
	M22 X 1.0			-	-	-	D	19.2 / 23.0	20.2		
				-	-	-	C	24.4	25.1		
M23 M23 X 1.0											

*HDSC: Heavy Duty Shielded Connector

Connector Dimension

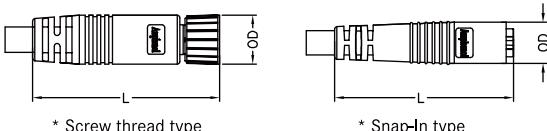


Conn. Gender	Type	Receptacle				Panel Thickness	
		Female		Male			
		L (A)	L (B)	L (A)	L (B)	Front Fastened	Rear Fastened
M8	Straight	18.0	13.8	16.4	11.5	3.0 mm Max.	3.5 mm Max.
M105	Straight	-	-	18.0	15.0	-	6.0 mm Max.
M12	PG9 / M16	20.0	20.6	23.0	20.6	4.5mm Max.	4.5mm Max.
	Right Angle	20.0	20.8	20.5	20.8	4.0mm Max.(Plastic)	
M12*1.0	Right Angle	16.9	15.0	16.2	15.0	3.0mm Max.	
	Straight	-	-	23.5	29.0	9.0mm Min.	5.0 mm Max.
HDSC*	Straight	-	-	36.0	29.0	6.0 mm Max.	-
M23	Straight	-	-	36.0	29.0	6.0 mm Max.	-

*HDSC: Heavy Duty Shielded Connector

↳ Overmolded with Cable

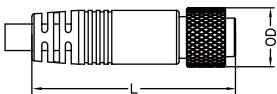
M8



* Screw thread type

* Snap-In type

M10.5



Size		Dimension		L		OD	
Size	Type	Female	Male	Female	Male	Female	Male
M8	Screw Thread M8 X 1.0	38.1	42.7	10.1	10.5		
M8	Snap-In M8 X 1.0	36.5	-	8.4	-		
M105	Screw Thread M10.5 X 0.75	37.2	-	12.0	-		

【Note】 Design and specification are subject to change without notice.

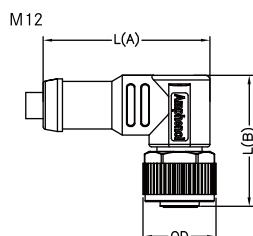
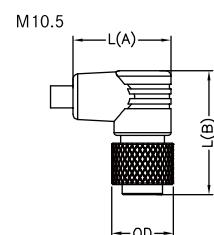
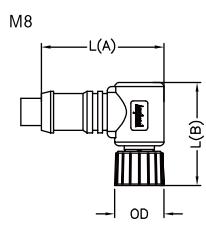
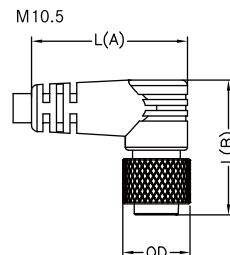
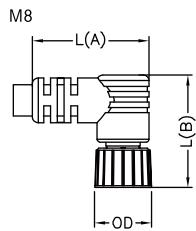
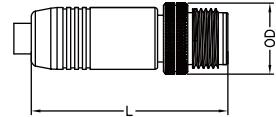
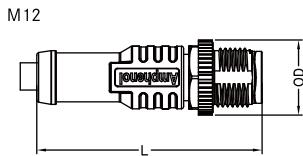
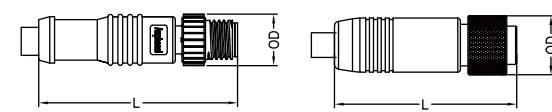
M Series Sensor Connector | Physical Dimension

Receptacle | Overmolded with Cable | Field Installable | Passive Distribution Box

IP 65 . 67 . 68

Receptacle | Unmated
Overshielded with Cable | Mated
Field Installable | Mated

3-1 Amphenol LTW Technology Co., Ltd.
M10.5

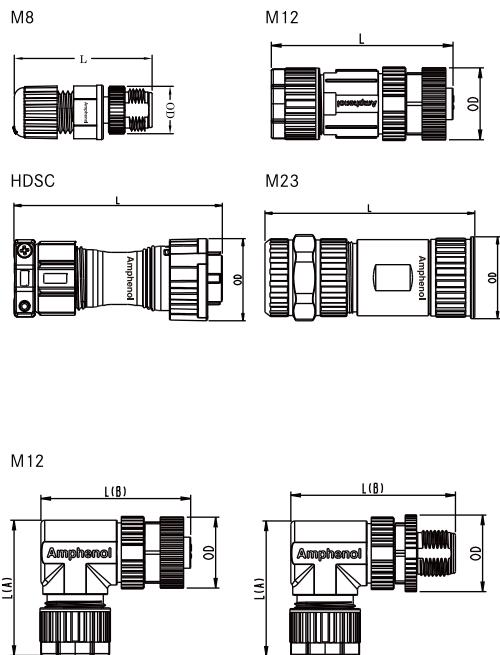


Size	Type	Dimension		L		OD	
		Female	Male	Female	Male	Female	Male
M8	Screw Thread M8 X 1.0	36.0	40.5	10.1	10.5		
M10.5	Screw Thread M10.5 X 0.75	37.2	-	12.0	-		
M12	Screw Thread M12.0 X 1.0	37.2	-	12.0	-		
M12 Shielded	Screw Thread M12.0 X 1.0	39.2	40.1	14.5	14.5		

Size	Thread Description	Dimension		L [A]		L [B]		OD	
		Female	Male	Female	Male	Female	Male	Female	Male
M8	M8 X 1.0	24.0	-	24.0	-	12.0	-		
M10.5	Screw Thread M10.5 X 0.75	20.7	20.7	20.0	25.5	10.1	10.5		

Size	Thread Description	Dimension		L [A]		L [B]		OD	
		Female	Male	Female	Male	Female	Male	Female	Male
M8	M8 X 1.0	24.0	-	24.0	-	12.0	-		
M10.5	Screw Thread M10.5 X 0.75	20.7	20.7	20.0	25.5	10.1	10.5		

Field Installable



Size	Dimension	Pin Type	L		OD	
			Female	Male	Female	Male
M8	M8 X 1.0	Screw In	55.4	59.1	16.7	16.7
		Solder	40.5	41.8	14.5	14.4
		Screw	47.0	51.0	18.6	20.1
M12 Metal Nut	M12 X 1.0	IDC	47.0	51.0	18.6	20.1
		Solder	61.3	61.3	20.8	20.8
		Screw	47.0	51.0	18.6	20.1
M12 Plastic	M12 X 1.0	IDC	47.0	51.0	18.6	20.1
		Solder	52.0	55.0	18.6	20.1
		Screw	52.0	55.0	18.6	20.1
M12 Shielded	M12 X 1.0	IDC	52.0	55.0	18.6	20.1
		Solder	-	72.5	-	27.7
		Screw	-	73.0	-	28.5
M23	M23 X 1.0					

*HDSC: Heavy Duty Shielded Connector

Size	Dimension	Pin Type	L [A]		L [B]		OD	
			Female	Male	Female	Male	Female	Male
M12	M12.0 X 1.0	Screw In	38.9	38.9	52.3	52.3	20.8	20.8
			38.9	38.9	52.3	52.3	20.8	20.8

Dimensions are shown in millimeters

M Series Sensor Connector I Physical Dimension

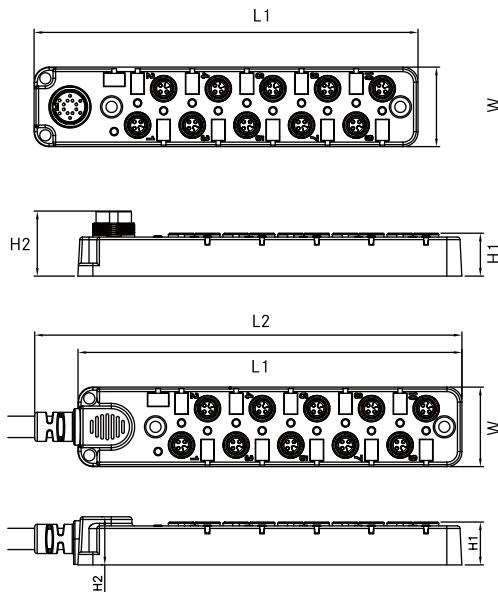
Receptacle | Overmolded with Cable | Field Installable | Passive Distribution Box

IP 65 . 67 . 68

Receptacle | Unmated
Overmolded with Cable | Mated
Field Installable | Mated

Passive Distribution Box

M8

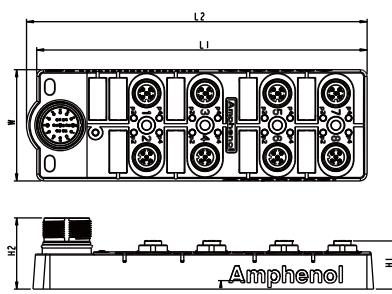


Size	Dimension	Pin Type	L		OD	
			Female	Male	Female	Male
M8	M8 X 1.0	Screw In	55.4	59.1	16.7	16.7
M12 Metal Nut	M12 X 1.0	Solder	40.5	41.8	14.5	14.4
		Screw	47.0	51.0	18.6	20.1
		IDC	47.0	51.0	18.6	20.1
		Solder	61.3	61.3	20.8	20.8
M12 Plastic	M12 X 1.0	Screw	47.0	51.0	18.6	20.1
		IDC	47.0	51.0	18.6	20.1
		Solder	52.0	55.0	18.6	20.1
M12 Shielded	M12 X 1.0	Screw	52.0	55.0	18.6	20.1
		IDC	52.0	55.0	18.6	20.1
		HDSC*	-	72.5	-	27.7
M23	M23 X 1.0	-	73.0	-	28.5	-

Unit: mm

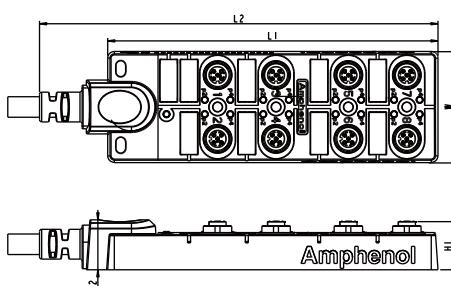
Passive Distribution Box

M12



	M12				
	L1	L2	H1	H2	W
4 Port	With Cable	97.3	129.4	22.9	23.5
	Without Cable	97.3	102.1	22.9	33.5
8 Port	With Cable	155.3	187.4	22.9	23.5
	Without Cable	155.3	160.1	22.9	33.5
Note		Cable length is available from 01~99m.			

Unit: mm

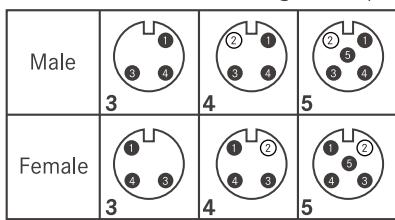


Contact Configuration

	G8	M8	M10.5	M12 A Code			M12 B Code	M12 D Code	M12 I Code	M12 S Code
1.5A 2A 3A 4A △ 5A 10A 12A 20A □ 28A	1.5A	3A	3A	2A	1.5A	2A	4A	4A	4A	12A
MM or FF	MM or FF	MM or FF	MF or FM	MM or FF	MM or FF	MM or FF	MM or FF	MM or FF	MF or FM	MM or FF
2Pin (02)										
	R C I F		R I C I							
3Pin (03)										
	R I C F R I C I F R I C I						R I C F R I C I F R I C I F			
4Pin (04)										
	R I C F R I C I F R I C I						R I C F R I C I F R I C I F			R I F
5Pin (05)										
	R I C F		R I C I				R I C F R I C I F R I C I F	R I C F		
6Pin (06)										
	R I C F					R I C F				
7Pin (07)										
8Pin (08)										
						R I C F				
10Pin (10)										
					R I C F					
12Pin (12)										
					R I C F					
14Pin (14)										

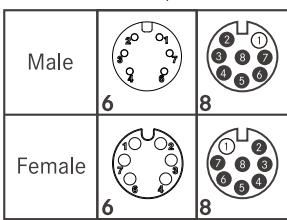
More to know:

No. of Poles & Contact Configuration (Connection side view)



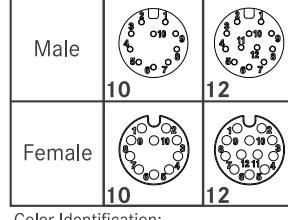
Color Identification:

1 = Brown, 2 = White, 3 = Blue, 4 = Black, 5 = Gray



Color Identification:

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



Color Identification:

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

M Series Sensor Connector I Contact Configuration

1.5A | 2A | 3A | 4A | 5A | 10A | 20A | 28A

IP 65 . 67 . 68

Receptacle | Unmated
Overmolded with Cable | Mated
Field Installable | Mated

M12 T Code	M12 X Code	HDSC			M23	
12A	0.5A	5A	10A	20A	28A	
MM or FF	MM or FF	MF or FM	MF or FM	MF or FM	MM or FF	MF or FM
R F		R F				
R C		R F				

R: Receptacle

C: Overmolded with Cable

F: Field Installable

- ◆ 0.5A (M12X)
- 1.5A (M8/M12A)
- 2A (M10.5/M12A)
- 3A (M8)
- ▲ 4A (M8/M12A/M12B/M12D
M12 I Style)
- △ 5A (HDSC)
- 10A (HDSC)
- 12A (M12S/M12T)
- ◇ 20A (HDSC)
- 28A (M23)

Contact Number:

e.g. 2 contacts (02)

Connector (Housing) Gender:

Male(M) or Female(F)

Contact Gender:

Male(M) or Female(F)

Male + Female (I)

More to Choose:

- Solder (S)
 - Solder Cup



- PCB Type
 - 90° PCB (R)
 - 180° PCB (P)



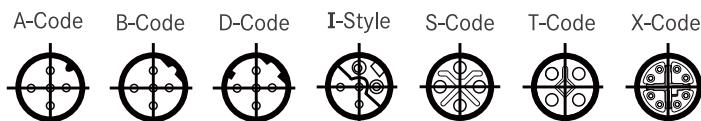
- Screw Type



- IDC Type

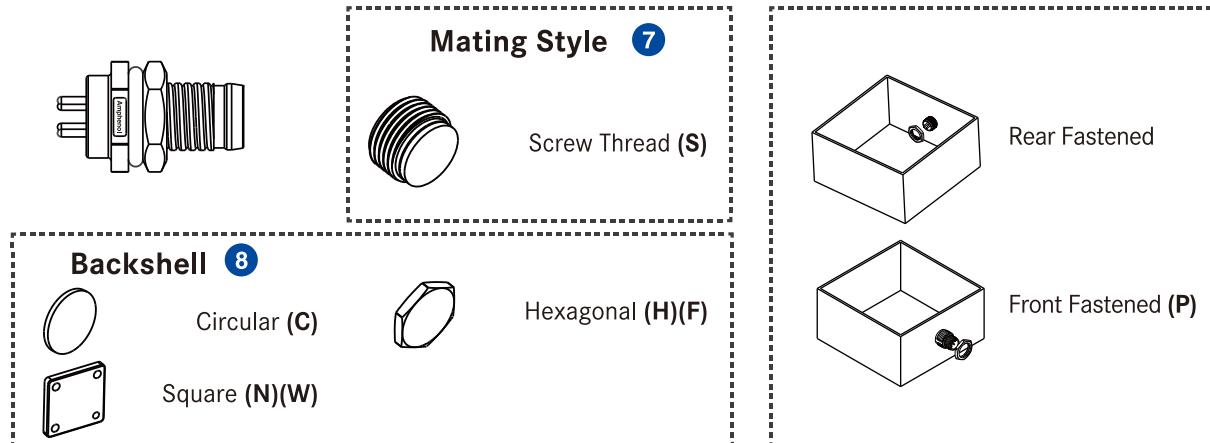


More to know:

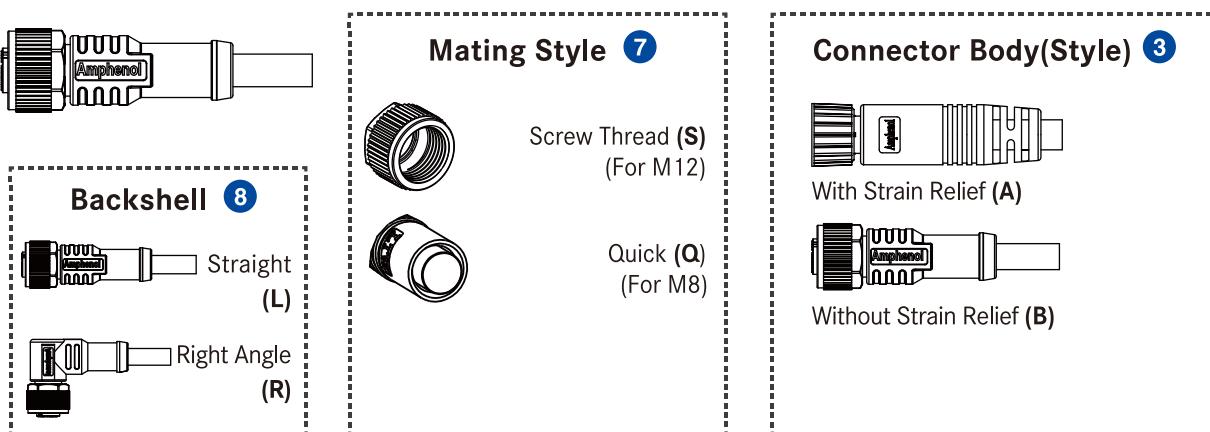


Product Features

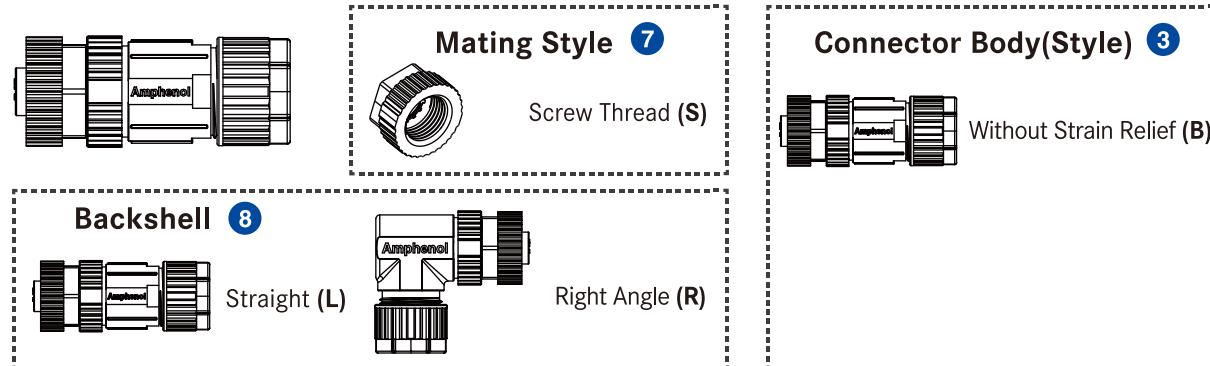
↳ Receptacle



↳ Overmolded with Cable

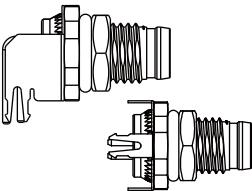


↳ Field Installable

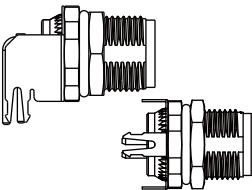


Find Our Standard Products

↳ M8 (Shielded) > Receptacle > Male Connector

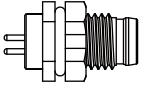
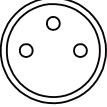
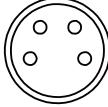
		
Front Fastened Backshell: Hexagonal		
Type	4A/60V	4A/30V
PCB Pin (180°)	M8S-03PMMP-SF8001	M8S-04PMMP-SF8001
PCB Pin (90°)	M8S-03PMMR-SF8001	M8S-04PMMR-SF8001

↳ M8 (Shielded) > Receptacle > Female Connector

		
Front Fastened Backshell: Hexagonal		
Type	4A/60V	4A/30V
PCB Pin (180°)	M8S-03PFFP-SF8001	M8S-04PFFP-SF8001
PCB Pin (90°)	M8S-03PFRR-SF8001	M8S-04PFRR-SF8001

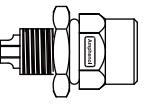
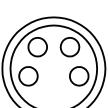
【Note】 Design and specification are subject to change without notice.

▽ **M8 (Metal Nut) > Receptacle > Male Connector**

 Front Fastened	 Rear Fastened	
Backshell: Hexagonal		
Type	3A/60V	3A/30V
PCB Pin (180°)	8-03PMMP-S ⑧ 7001 8-03PMMP-SF7002	8-04PMMP-S ⑧ 7001 8-04PMMP-SF7002
Solder Pin (180°)	8-03PMMS-S ⑧ 7001 8-03PMMS-S ⑧ 7002	8-04PMMS-S ⑧ 7001 8-04PMMS-S ⑧ 7002

⑧ Front Fastened (F) or Rear Fastened (H)

▽ **M8 (Metal Nut) > Receptacle > Female Connector**

 Rear Fastened		
Backshell: Hexagonal		
Type	3A/60V	3A/30V
Solder Pin (180°)	8-03PFFS-SH7001 8-03PFFS-SH7002	8-04PFFS-SH7001 8-04PFFS-SH7002

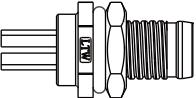
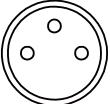
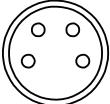
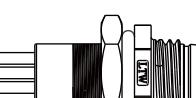
M8 (Metal Nut)

Receptacle with Wires > Male / Female Connector

IP 65 . 67 . 68

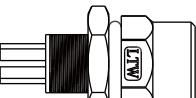
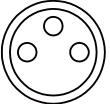
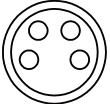
Receptacle | Unmated
 Overmolded with Cable | Mated
 Field Installable | Mated

↓ M8 (Metal Nut) > Receptacle with Wires > Male Connector

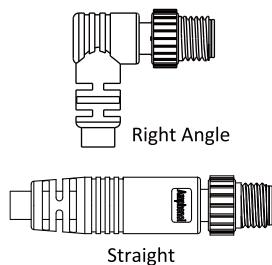
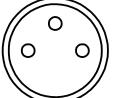
 Front Fastened		
 Rear Fastened		
Backshell: Hexagonal		
Wire Length (UL1007)*	3A/60V	3A/30V
150mm	8-03PMMS-S 8 7A15	8-04PMMS-S 8 7A15
300mm	8-03PMMS-S 8 7A30	8-04PMMS-S 8 7A30
500mm	8-03PMMS-S 8 7A50	8-04PMMS-S 8 7A50
1000mm	8-03PMMS-S 8 7AA0	8-04PMMS-S 8 7AA0
1500mm	8-03PMMS-S 8 7AA5	8-04PMMS-S 8 7AA5

8 Front Fastened (F) or Rear Fastened (H)

↓ M8 (Metal Nut) > Receptacle with Wires > Female Connector

 Rear Fastened		
Backshell: Hexagonal		
Wire Length (UL1007)*	3A/60V	3A/30V
150mm	8-03PFFS-SH7A15	8-04PFFS-SH7A15
300mm	8-03PFFS-SH7A30	8-04PFFS-SH7A30
500mm	8-03PFFS-SH7A50	8-04PFFS-SH7A50
1000mm	8-03PFFS-SH7AA0	8-04PFFS-SH7AA0
1500mm	8-03PFFS-SH7AA5	8-04PFFS-SH7AA5

↓ M8 (Metal Nut) > Overmolded with Cable > Male Connector

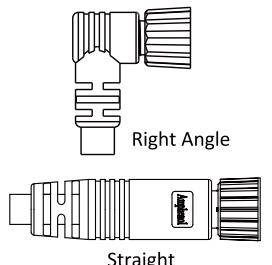
		
Type	3A/60V	3A/30V
With Strain Relief	8-03AMMM-S 8 7XXX*	8-04AMMM-S 8 7XXX*
Without Strain Relief	8-03BMMM-S 8 7XXX*	8-04BMMM-S 8 7XXX*

⑧ Right Angle (R) or Straight (L)

* XXX: Choose the cable type and length:

- PVC: 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU: 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)

↓ M8 (Metal Nut) > Overmolded with Cable > Female Connector

		
Type	3A/60V	3A/30V
With Strain Relief	8-03AFFM-S 8 7XXX*	8-04AFFM-S 8 7XXX*
Without Strain Relief	8-03BFFM-S 8 7XXX*	8-04BFFM-S 8 7XXX*

⑧ Right Angle (R) or Straight (L)

* XXX: Choose the cable type and length:

- PVC: 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU: 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)

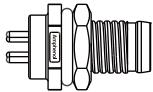
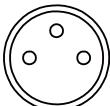
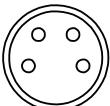
M8 (Plastic)

Receptacle > Male Connector | Overmolded with Cable > Male Connector

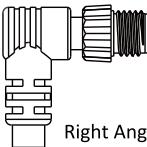
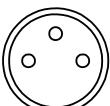
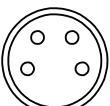
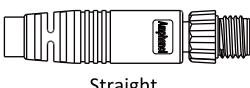
IP 65 . 67 . 68

Receptacle | Unmated
Overmolded with Cable | Mated
Field Installable | Mated

↳ M8 (Plastic) > Receptacle > Male Connector

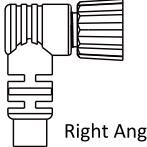
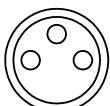
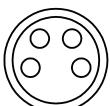
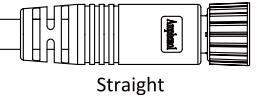
		
Front Fastened Backshell: Hexagonal		
Type	3A/60V	3A/30V
PCB Pin (180°)	8P-03PMMP-SF7001	8P-03PMMP-SF7001
Solder Pin (180°)	8P-03PMMS-SF7002	8P-03PMMS-SF7002

↳ M8 (Plastic) > Overmolded with Cable > Male Connector

 Right Angle		
 Straight		
Type	3A/60V	3A/30V
With Strain Relief	8P-03AMMM-S 8 7XXX*	8P-04AMMM-S 8 7XXX*
Without Strain Relief	8P-03BMMM-S 8 7XXX*	8P-04BMMM-S 8 7XXX*

- ⑧ Right Angle (R) or Straight (L) * XXX: Choose the cable type and length:
 - PVC: 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
 - PU: 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)

↳ M8 (Plastic) > Overmolded with Cable > Female Connector

 Right Angle		
 Straight		
Type	3A/60V	3A/30V
With Strain Relief	8P-03AFFM-S 8 7XXX*	8P-04AFFM-S 8 7XXX*
Without Strain Relief	8P-03BFFM-S 8 7XXX*	8P-04BFFM-S 8 7XXX*

- ⑧ Right Angle (R) or Straight (L) * XXX: Choose the cable type and length:
 - PVC: 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
 - PU: 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)

【 Note 】 Design and specification are subject to change without notice.

↳ M8 (Plastic) > Overmolded with Cable > Female Connector

Straight		
Type	3A/60V	3A/30V
With Strain Relief	8P-03AFFM-QL5XXX*	8P-04AFFM-QL5XXX*

* XXX: Choose the cable type and length:

- PVC: 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU: 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)

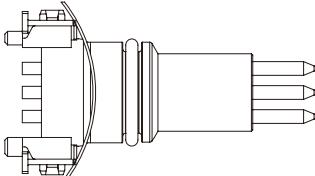
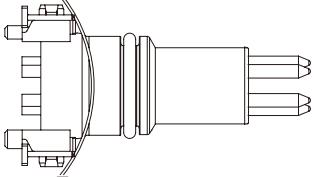
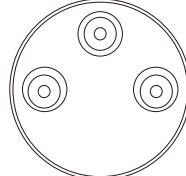
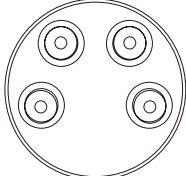
↳ M8 (Plastic) > Field Installable > Male Connector > Straight

Type	Contact Type	3A/60V
Without Strain Relief	Screw-in	8P-03BMMB-SL7001
		8P-04BMMB-SL7001

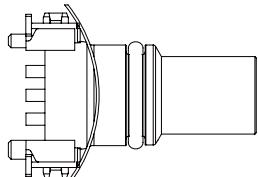
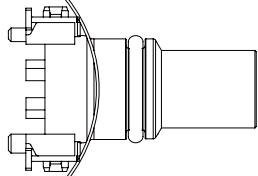
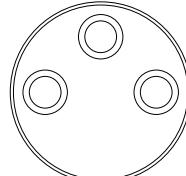
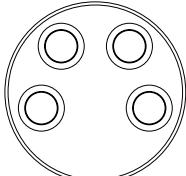
↳ M8 (Plastic) > Field Installable > Female Connector > Straight

Type	Contact Type	3A/60V
Without Strain Relief	Screw-in	8P-03BFFB-SL7001
		8P-04BFFB-SL7001

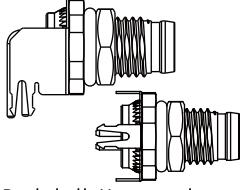
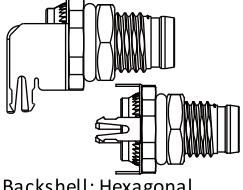
↓ M8 (SMT) > Receptacle > Male Connector

			
Type	Contact Type	3A/60V	3A/60V
Without Strain Relief	SMT Type	M8S-03PMMT-EE8001	M8S-04PMMT-EE8001

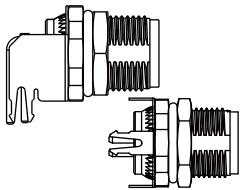
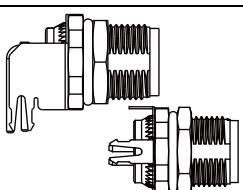
↓ M8 (SMT) > Receptacle > Female Connector

			
Type	Contact Type	3A/60V	3A/60V
Without Strain Relief	SMT Type	M8S-03PFFT-EE8001	M8S-04PFFT-EE8001

▽ Guided M8, G8 (Shielded) > Receptacle > Male Connector

				
Backshell: Hexagonal				
Type	3A/60V	3A/60V	3A/30V	1.5A/30V
PCB Pin (180°)	M8AS-02PMMP-SF8001	M8AS-03PMMP-SF8001	M8AS-04PMMP-SF8001	M8AS-05PMMP-SF8001
PCB Pin (90°)	M8AS-02PMMR-SF8001	M8AS-03PMMR-SF8001	M8AS-04PMMR-SF8001	M8AS-05PMMR-SF8001
				
Backshell: Hexagonal				
Type	1.5A/30V			
PCB Pin (180°)	M8AS-06PMMP-SF8001			
PCB Pin (90°)	M8AS-06PMMR-SF8001			

▽ Guided M8, G8 (Shielded) > Receptacle > Female Connector

				
Backshell: Hexagonal				
Type	3A/60V	3A/60V	3A/30V	1.5A/30V
PCB Pin (180°)	M8AS-02PFFP-SF8001	M8AS-03PFFP-SF8001	M8AS-04PFFP-SF8001	M8AS-05PFFP-SF8001
PCB Pin (90°)	M8AS-02PFRR-SF8001	M8AS-03PFRR-SF8001	M8AS-04PFRR-SF8001	M8AS-05PFRR-SF8001
				
Backshell: Hexagonal				
Type	1.5A/30V			
PCB Pin (180°)	M8AS-06PFFP-SF8001			
PCB Pin (90°)	M8AS-06PFRR-SF8001			

【Note】 Design and specification are subject to change without notice.

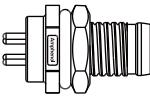
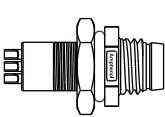
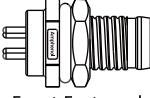
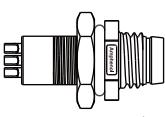
Guided M8, G8 (Metal Nut)

Receptacle > Male / Female Connector

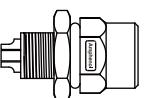
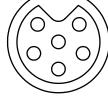
IP 65 . 67 . 68

Receptacle | Unmated
 Overmolded with Cable | Mated
 Field Installable | Mated

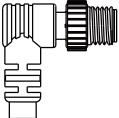
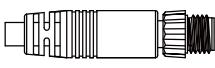
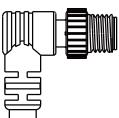
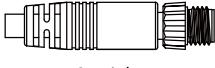
△ Guided M8, G8 (Metal Nut) > Receptacle > Male Connector

 Front Fastened  Rear Fastened Backshell: Hexagonal				
Type	3A/60V	3A/60V	3A/30V	1.5A/30V
PCB Pin (180°)	8A-02PMMP-SF7001	8A-03PMMP-SF7001	8A-04PMMP-SF7001	8A-05PMMP-SF7001
Solder Pin	8A-02PMMS-S⑧7001	8A-03PMMS-S⑧7001	8A-04PMMS-S⑧7001	8A-05PMMS-S⑧7001
 Front Fastened  Rear Fastened Backshell: Hexagonal			⑧ Front Fastened (F) or Rear Fastened (H)	
Type	1.5A/30V	3A+1.5A/30V	Hybrid	
PCB Pin (180°)	8A-06PMMP-SF7001	8H-05PMMP-SF7001		
Solder Pin	8A-06PMMS-S⑧7001	8H-05PMMS-S⑧7001		

△ Guided M8, G8 (Metal Nut) > Receptacle > Female Connector

 Rear Fastened  Backshell: Hexagonal				
Type	3A/60V	3A/60V	3A/30V	1.5A/30V
Solder Pin	8A-02PFFS-SH7001	8A-03PFFS-SH7001	8A-04PFFS-SH7001	8A-05PFFS-SH7001
 Rear Fastened  Backshell: Hexagonal			Hybrid	
Type	1.5A/30V	3A+1.5A/30V		
Solder Pin	8A-06PFFS-SH7001	8H-05PFFS-SH7001		

▽ Guided M8, G8 (Metal Nut) > Overmolded with Cable > Male Connector

				
Right Angle				
				
Straight				
Type	3A/60V	3A/60V	3A/30V	1.5A/30V
With Strain Relief	8A-02AMMM-S 8 7XXX*	8A-03AMMM-S 8 7XXX*	8A-04AMMM-S 8 7XXX*	8A-05AMMM-S 8 7XXX*
				
Right Angle				
				
Straight			Hybrid	
Type	1.5A/30V	3A+1.5A/30V		
With Strain Relief	8A-06AMMM-S 8 7XXX*	8H-05AMMM-S 8 7XXX*		

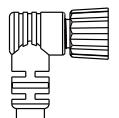
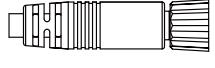
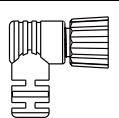
⑧ Right Angle (R) or Straight (L)

* XXX: Choose the cable type and length:

- PVC: 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)

- PU: 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)

▽ Guided M8 (G8 / Metal Nut) > Overmolded with Cable > Female Connector

				
Right Angle				
				
Straight				
Type	3A/60V	3A/60V	3A/30V	1.5A/30V
With Strain Relief	8A-02AFFM-S 8 7XXX*	8A-03AFFM-S 8 7XXX*	8A-04AFFM-S 8 7XXX*	8A-05AFFM-S 8 7XXX*
				
Right Angle				
				
Straight			Hybrid	
Type	1.5A/30V	3A+1.5A/30V		
With Strain Relief	8A-06AFFM-S 8 7XXX*	8H-05AFFM-S 8 7XXX*		

⑧ Right Angle (R) or Straight (L)

* XXX: Choose the cable type and length:

- PVC: 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)

- PU: 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)

【 Note 】 Design and specification are subject to change without notice.

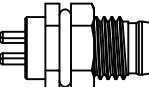
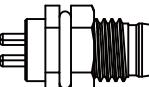
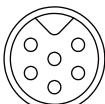
Guided M8, G8 (Plastic)

Receptacle > Male Connector | Overmolded with Cable > Male Connector

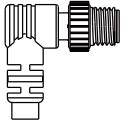
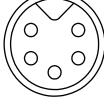
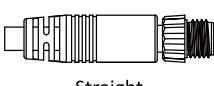
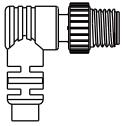
IP 65 . 67 . 68

Receptacle | Unmated
Overmolded with Cable | Mated
Field Installable | Mated

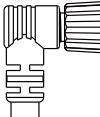
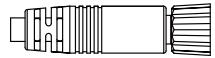
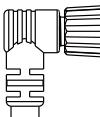
↳ Guided M8, G8 (Plastic) > Receptacle > Male Connector

				
Backshell: Hexagonal				
Type	3A/60V	3A/60V	3A/30V	1.5A/30V
PCB Pin (180°)	8AP-02PMMP-SF7001	8AP-03PMMP-SF7001	8AP-04PMMP-SF7001	8AP-05PMMP-SF7001
Solder Pin	8AP-02PMMS-SF7001	8AP-03PMMS-SF7001	8AP-04PMMS-SF7001	8AP-05PMMS-SF7001
				
Hybrid				
Type	1.5A/30V	3A+1.5A/30V		
PCB Pin (180°)	8AP-06PMMP-SF7001	8HP-05PMMP-SF7001		
Solder Pin	8AP-06PMMS-SF7001	8HP-05PMMS-SF7001		

↳ Guided M8, G8 (Plastic) > Overmolded with Cable > Male Connector

				
				
Type	3A/60V	3A/60V	3A/30V	1.5A/30V
With Strain Relief	8AP-02AMMM-S 8 7XXX*	8AP-03AMMM-S 8 7XXX*	8AP-04AMMM-S 8 7XXX*	8AP-05AMMM-S 8 7XXX*
			⑧ Right Angle (R) or Straight (L) * XXX: Choose the cable type and length: - PVC: 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10) - PU: 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)	
			Hybrid	
Type	1.5A/30V	3A+1.5A/30V		
With Strain Relief	8AP-06AMMM-S 8 7XXX*	8HP-05AMMM-S 8 7XXX*		

↳ Guided M8, G8 (Plastic) > Overmolded with Cable > Female Connector

 Right Angle	 Straight				
Type	3A/60V	3A/60V	3A/30V	1.5A/30V	
With Strain Relief	8AP-02AFFM-S 8 7XXX*	8AP-03AFFM-S 8 7XXX*	8AP-04AFFM-S 8 7XXX*	8AP-05AFFM-S 8 7XXX*	
	8AP-02AFFM-SL5XXX*	8AP-03AFFM-SL5XXX*	8AP-04AFFM-SL5XXX*	8AP-05AFFM-SL5XXX*	
 Right Angle	 Straight				
Type	1.5A/30V	3A+1.5A/30V			
With Strain Relief	8AP-06AFFM-S 8 7XXX*	8HP-05AFFM-S 8 7XXX*			
	8AP-06AFFM-SL5XXX*	8HP-05AFFM-SL5XXX*			

⑧ Right Angle (R) or Straight (L)

* XXX: Choose the cable type and length:

- PVC: 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU: 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)

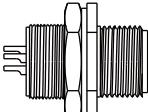
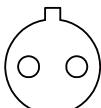
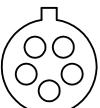
【Note】 Design and specification are subject to change without notice.

M10.5 (Metal)

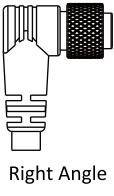
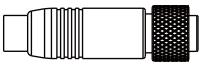
Receptacle > Male Connector | Overmolded with Cable > Male Connector

Receptacle | Unmated
Overmolded with Cable | Mated
Field Installable | Mated

▽ M10.5 (Metal) > Receptacle > Male Connector

				
Rear Fastened Backshell: Hexagonal Backshell: Circular				
Type	2A/30V	2A/30V	2A/30V	2A/30V
Backshell: Hexagonal Solder Pin (180°)	105-02PMFS-SH7001	105-03PMFS-SH7001	105-04PMFS-SH7001	105-05PMFS-SH7001
Backshell: Circular Solder Pin (180°)	105-02PMFS-SC7001	105-03PMFS-SC7001	105-04PMFS-SC7001	105-05PMFS-SC7001

▽ M10.5 (Metal) > Overmolded with Cable > Male Connector

 Right Angle				
 Straight				
Type	2A/30V	2A/30V	2A/30V	2A/30V
With Strain Relief	105-02AFMM-S ⑧ 7AXXX*	105-03AFMM-S ⑧ 7AXXX*	105-04AFMM-S ⑧ 7AXXX*	105-05AFMM-S ⑧ 7AXXX*
Without Strain Relief	105-02BFMM-S ⑧ 7AXXX*	105-03BFMM-S ⑧ 7AXXX*	105-04BFMM-S ⑧ 7AXXX*	105-05BFMM-S ⑧ 7AXXX*

⑧ Right Angle (R) or Straight (L)

* XXX: Choose the cable type and length:

- PVC: 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU: 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)

↓ M12 A-Coded (Shielded) > Receptacle > Male Connector

Type	Mounting Thread	4A/250V	4A/250V	4A/60V
PCB Pin (180°)	PG9 M16.0	MSAS-03PMMP-SF8001 MSAS-03PMMP-SF8002	MSAS-04PMMP-SF8001 MSAS-04PMMP-SF8002	MSAS-05PMMP-SF8001 MSAS-05PMMP-SF8002
PCB Pin (90°)	M12	MSAS-03PMMR-SF7003	MSAS-04PMMR-SF7003	MSAS-05PMMR-SF7003
Solder Pin (180°)	PG9 M16.0	MSAS-03PMMS-SF8001 MSAS-03PMMS-SF8002	MSAS-04PMMS-SF8001 MSAS-04PMMS-SF8002	MSAS-05PMMS-SF8001 MSAS-05PMMS-SF8002
Type	Mounting Thread	2A / 30V	1.5A / 30V	1.5A / 30V
PCB Pin (180°)	PG9 M16.0	MSAS-08PMMP-SF8001 MSAS-08PMMP-SF8002	MSAS-10PMMP-SF8001 MSAS-10PMMP-SF8002	MSAS-12PMMP-SF8001 MSAS-12PMMP-SF8002
PCB Pin (90°)	M12	MSAS-08PMMR-SF7003	-	-
Solder Pin (180°)	PG9 M16.0	MSAS-08PMMS-SF8001 MSAS-08PMMS-SF8002	MSAS-10PMMS-SF8001 MSAS-10PMMS-SF8002	MSAS-12PMMS-SF8001 MSAS-12PMMS-SF8002

↓ M12 A-Coded (Shielded) > Receptacle > Female Connector

Type	Mounting Thread	4A/250V	4A/250V	4A/60V
PCB Pin (180°)	PG9 M16.0	MSAS-03PFFP-SF8001 MSAS-03PFFP-SF8002	MSAS-04PFFP-SF8001 MSAS-04PFFP-SF8002	MSAS-05PFFP-SF8001 MSAS-06PFFP-SF8002
PCB Pin (90°)	M12	MSAS-03PFRR-SF7003	MSAS-04PFRR-SF7003	MSAS-05PFRR-SF7003
Solder Pin (180°)	PG9 M16.0	MSAS-03PFFS-SF8001 MSAS-03PFFS-SF8002	MSAS-04PFFS-SF8001 MSAS-04PFFS-SF8002	MSAS-05PFFS-SF8001 MSAS-06PFFS-SF8002
Type	Mounting Thread	2A / 30V	1.5A / 30V	1.5A / 30V
PCB Pin (180°)	PG9 M16.0	MSAS-08PFFP-SF8001 MSAS-08PFFP-SF8002	MSAS-10PFFP-SF8001 MSAS-10PFFP-SF8002	MSAS-12PFFP-SF8001 MSAS-12PFFP-SF8002
PCB Pin (90°)	M12	MSAS-08PFRR-SF7003	-	-
Solder Pin (180°)	PG9 M16.0	MSAS-08PFFS-SF8001 MSAS-08PFFS-SF8002	MSAS-10PFFS-SF8001 MSAS-10PFFS-SF8002	MSAS-12PFFS-SF8001 MSAS-12PFFS-SF8002

【 Note 】 Design and specification are subject to change without notice.

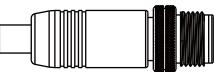
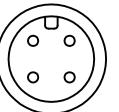
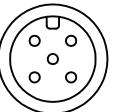
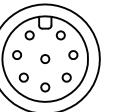
M12 A-Coded (Shielded)

Overmolded with Cable > Male / Female Connector

IP 65 . 67 . 68

Receptacle | Unmated
 Overmolded with Cable | Mated
 Field Installable | Mated

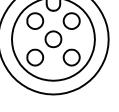
↓ M12 A-Coded (Shielded) > Overmolded with Cable > Male Connector

				
Type	4A/250V	4A/250V	4A/60V	2A / 30V
Without Strain Relief	MSAS-03BMMM-SL7XXX*	MSAS-04BMMM-SL7XXX*	MSAS-05BMMM-SL7XXX*	MSAS-08BMMM-SL7XXX*

* XXX: Choose the cable type and length:

- PVC: 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU: 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)

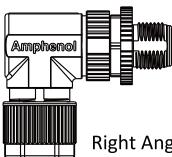
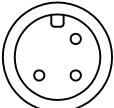
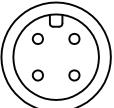
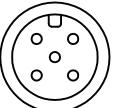
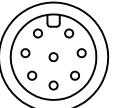
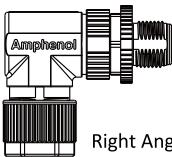
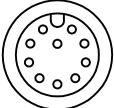
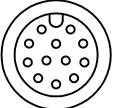
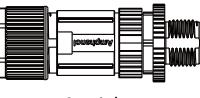
↓ M12 A-Coded (Shielded) > Overmolded with Cable > Female Connector

				
Type	4A/250V	4A/250V	4A/60V	2A / 30V
Without Strain Relief	MSAS-03BFFM-SL7XXX*	MSAS-04BBFFM-SL7XXX*	MSAS-05BFFM-SL7XXX*	MSAS-08BFFM-SL7XXX*

* XXX: Choose the cable type and length:

- PVC: 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU: 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)

▽ M12 A-Coded (Shielded) > Field Installable > Male Connector

				
Type	Contact Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	Screw Type	MSAS-03BMMB-S⑧7001	MSAS-04BMMB-S⑧7001	MSAS-05BMMB-S⑧7001
				MSAS-08BMMB-S⑧7001
				
Right Angle				
				
Straight				
Type	Contact Type	1.5A / 30V	1.5A / 30V	
Without Strain Relief	Screw Type	MSAS-10BMMB-S⑧7001	MSAS-12BMMB-S⑧7001	

⑧ Right Angle (R) or Straight (L)

【Note】 Design and specification are subject to change without notice.

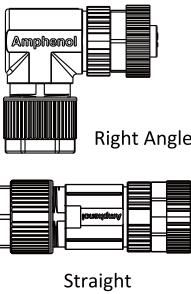
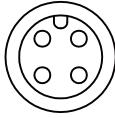
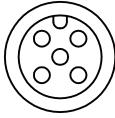
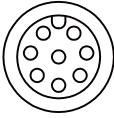
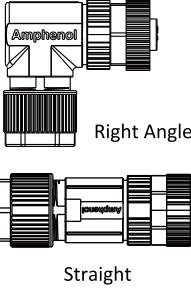
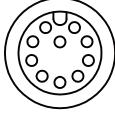
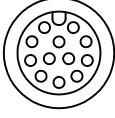
M12 A-Coded (Shielded)

Field Installable > Female Connector

IP 65 . 67 . 68

Receptacle | Unmated
Overmolded with Cable | Mated
Field Installable | Mated

▽ M12 A-Coded (Shielded) > Field Installable > Female Connector

				
Type	Contact Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	Screw Type	MSAS-03BFFB-S⑧7001	MSAS-04BFFB-S⑧7001	MSAS-05BFFB-S⑧7001
		MSAS-08BFFB-S⑧7001		⑧ Right Angle (R) or Straight (L)
				
Type	Contact Type	1.5A/30V	1.5A/30V	
Without Strain Relief	Screw Type	MSAS-10BFFB-S⑧7001	MSAS-12BFFB-S⑧7001	

▽ M12 A-Coded (Metal Nut) > Receptacle > Male Connector

Backshell: Hexagonal					
Type	Mounting Thread	4A/250V	4A/250V	4A/60V	2A / 30V
PCB Pin (180°)	PG9	M12A-03PMMP-SF8001	M12A-04PMMP-SF8001	M12A-05PMMP-SF8001	M12A-06PMMP-SF8001
	M16.0	M12A-03PMMP-SF8002	M12A-04PMMP-SF8002	M12A-05PMMP-SF8002	M12A-06PMMP-SF8002
PCB Pin (90°)	M12	M12A-03PMMR-SF7003	M12A-04PMMR-SF7003	M12A-05PMMR-SF7003	-
	PG9	M12A-03PMMR-SF8001	M12A-04PMMR-SF8001	M12A-05PMMR-SF8001	-
	M16.0	M12A-03PMMR-SF8002	M12A-04PMMR-SF8002	M12A-05PMMR-SF8002	-
Solder Pin (180°)	PG9	M12A-03PMMS-S⑧8001	M12A-04PMMS-S⑧8001	M12A-05PMMS-S⑧8001	M12A-06PMMS-S⑧8001
	M16.0	M12A-03PMMS-S⑧8002	M12A-04PMMS-S⑧8002	M12A-05PMMS-S⑧8002	M12A-06PMMS-S⑧8002
Backshell: Hexagonal					
Type	Mounting Thread	2A / 30V	1.5A / 30V	1.5A / 30V	
PCB Pin (180°)	PG9	M12A-08PMMP-SF8001	M12A-10PMMP-SF8001	M12A-12PMMP-SF8001	
	M16.0	M12A-08PMMP-SF8002	M12A-10PMMP-SF8002	M12A-12PMMP-SF8002	
PCB Pin (90°)	M12	M12A-08PMMR-SF7003	-	-	
	PG9	-	-	-	
	M16.0	-	-	-	
Solder Pin (180°)	PG9	M12A-08PMMS-S⑧8001	M12A-10PMMS-S⑧8001	M12A-12PMMS-S⑧8001	
	M16.0	M12A-08PMMS-S⑧8002	M12A-10PMMS-S⑧8002	M12A-12PMMS-S⑧8002	

⑧ Front Fastened (F) or Rear Fastened (H)

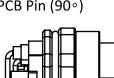
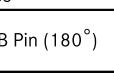
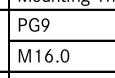
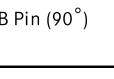
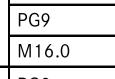
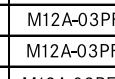
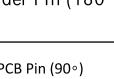
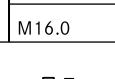
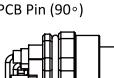
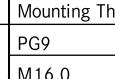
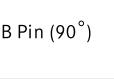
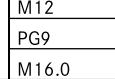
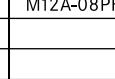
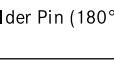
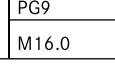
M12 A-Coded (Metal Nut)

Receptacle > Female Connector

IP 65 . 67 . 68

Receptacle I Unmated
Overmolded with Cable I Mated
Field Installable I Mated

M12 A-Coded (Metal Nut) > Receptacle > Female Connector

   Front Fastened Backshell: Hexagonal					
	Type	Mounting Thread	4A / 250V	4A / 250V	4A / 60V
PCB Pin (180°)  	PG9	M12A-03PFFP-SF8001	M12A-04PFFP-SF8001	M12A-05PFFP-SF8001	M12A-06PFFP-SF8001
	M16.0	M12A-03PFFP-SF8002	M12A-04PFFP-SF8002	M12A-05PFFP-SF8002	M12A-06PFFP-SF8002
PCB Pin (90°)   	M12	M12A-03PFFR-SF7003	M12A-04PFFR-SF7003	M12A-05PFFR-SF7003	-
	PG9	M12A-03PFFR-SF8001	M12A-04PFFR-SF8001	M12A-05PFFR-SF8001	-
	M16.0	M12A-03PFFR-SF8002	M12A-04PFFR-SF8002	M12A-05PFFR-SF8002	-
Solder Pin (180°)  	PG9	M12A-03PFFS-S⑧8001	M12A-04PFFS-S⑧8001	M12A-05PFFS-S⑧8001	M12A-06PFFS-S⑧8001
	M16.0	M12A-03PFFS-S⑧8002	M12A-04PFFS-S⑧8002	M12A-05PFFS-S⑧8002	M12A-06PFFS-S⑧8002
   Front Fastened Backshell: Hexagonal					
	Type	Mounting Thread	2A / 30V	1.5A / 30V	1.5A / 30V
PCB Pin (180°)  	PG9	M12A-08PFFP-SF8001	M12A-10PFFP-SF8001	M12A-12PFFP-SF8001	
	M16.0	M12A-08PFFP-SF8002	M12A-10PFFP-SF8002	M12A-12PFFP-SF8002	
PCB Pin (90°)   	M12	M12A-08PFFR-SF7003	-	-	
	PG9	-	-	-	
	M16.0	-	-	-	
Solder Pin (180°)  	PG9	M12A-08PFFS-S⑧8001	M12A-10PFFS-S⑧8001	M12A-12PFFS-S⑧8001	
	M16.0	M12A-08PFFS-S⑧8002	M12A-10PFFS-S⑧8002	M12A-12PFFS-S⑧8002	

⑧ Front Fastened (F) or Rear Fastened (H)

▽ M12 A-Coded (Metal Nut) > Receptacle with Wire Harness > Male Connector

Backshell: Hexagonal					
Wire Length (UL1007)*	Mounting Thread	4A/250V	4A/250V	4A/60V	2A / 30V
150mm	PG9	M12A-03PMMC-S 8 8B15	M12A-04PMMC-S 8 8B15	M12A-05PMMC-S 8 8B15	M12A-06PMMS-S 8 8B15
	M16.0	M12A-03PMMC-S 8 8C15	M12A-04PMMC-S 8 8C15	M12A-05PMMC-S 8 8C15	M12A-06PMMS-S 8 8C15
300mm	PG9	M12A-03PMMC-S 8 8B30	M12A-04PMMC-S 8 8B30	M12A-05PMMC-S 8 8B30	M12A-06PMMS-S 8 8B30
	M16.0	M12A-03PMMC-S 8 8C30	M12A-04PMMC-S 8 8C30	M12A-05PMMC-S 8 8C30	M12A-06PMMS-S 8 8C30
500mm	PG9	M12A-03PMMC-S 8 8B50	M12A-04PMMC-S 8 8B50	M12A-05PMMC-S 8 8B50	M12A-06PMMS-S 8 8B50
	M16.0	M12A-03PMMC-S 8 8C50	M12A-04PMMC-S 8 8C50	M12A-05PMMC-S 8 8C50	M12A-06PMMS-S 8 8C50
1000mm	PG9	M12A-03PMMC-S 8 8BA0	M12A-04PMMC-S 8 8BA0	M12A-05PMMC-S 8 8BA0	M12A-06PMMS-S 8 8BA0
	M16.0	M12A-03PMMC-S 8 8CA0	M12A-04PMMC-S 8 8CA0	M12A-05PMMC-S 8 8CA0	M12A-06PMMS-S 8 8CA0
1500mm	PG9	M12A-03PMMC-S 8 8BA5	M12A-04PMMC-S 8 8BA5	M12A-05PMMC-S 8 8BA5	M12A-06PMMS-S 8 8BA5
	M16.0	M12A-03PMMC-S 8 8CA5	M12A-04PMMC-S 8 8CA5	M12A-05PMMC-S 8 8CA5	M12A-06PMMS-S 8 8CA5
Backshell: Hexagonal					
Wire Length (UL1007)*	Mounting Thread	2A / 30V	1.5A / 30V	1.5A / 30V	
150mm	PG9	M12A-08PMMS-S 8 8B15	M12A-10PMMS-S 8 8B15	M12A-12PMMS-S 8 8B15	
	M16.0	M12A-08PMMS-S 8 8C15	M12A-10PMMS-S 8 8C15	M12A-12PMMS-S 8 8C15	
300mm	PG9	M12A-08PMMS-S 8 8B30	M12A-10PMMS-S 8 8B30	M12A-12PMMS-S 8 8B30	
	M16.0	M12A-08PMMS-S 8 8C30	M12A-10PMMS-S 8 8C30	M12A-12PMMS-S 8 8C30	
500mm	PG9	M12A-08PMMS-S 8 8B50	M12A-10PMMS-S 8 8B50	M12A-12PMMS-S 8 8B50	
	M16.0	M12A-08PMMS-S 8 8C50	M12A-10PMMS-S 8 8C50	M12A-12PMMS-S 8 8C50	
1000mm	PG9	M12A-08PMMS-S 8 8BA0	M12A-10PMMS-S 8 8BA0	M12A-12PMMS-S 8 8BA0	
	M16.0	M12A-08PMMS-S 8 8CA0	M12A-10PMMS-S 8 8CA0	M12A-12PMMS-S 8 8CA0	
1500mm	PG9	M12A-08PMMS-S 8 8BA5	M12A-10PMMS-S 8 8BA5	M12A-12PMMS-S 8 8BA5	
	M16.0	M12A-08PMMS-S 8 8CA5	M12A-10PMMS-S 8 8CA5	M12A-12PMMS-S 8 8CA5	

⑧ Front Fastened (F) or Rear Fastened (H)

* Other wire types are available upon request.

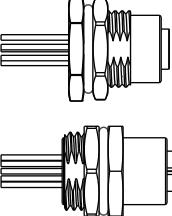
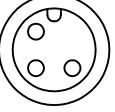
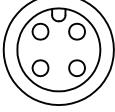
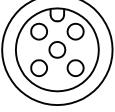
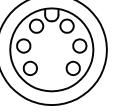
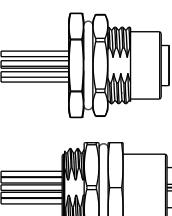
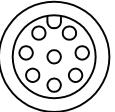
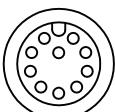
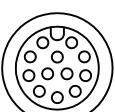
M12 A-Coded (Metal Nut)

Receptacle with Wire Harness > Female Connector

IP 65 . 67 . 68

Receptacle I Unmated
Overmolded with Cable I Mated
Field Installable I Mated

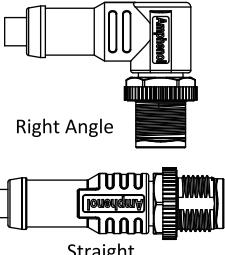
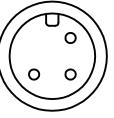
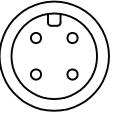
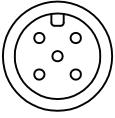
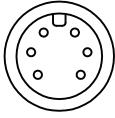
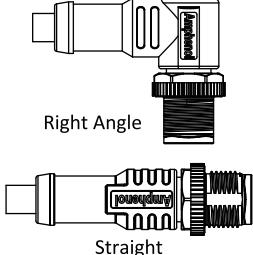
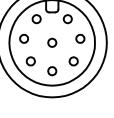
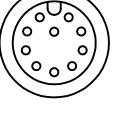
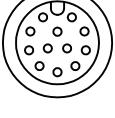
↳ M12 A-Coded (Metal Nut) > Receptacle with Wire Harness
> Female Connector

				
Backshell: Hexagonal				
Wire Length (UL1007)*	Mounting Thread	4A/250V	4A/250V	4A/60V
150mm	PG9	M12A-03PFFC-S 8B15	M12A-04PFFC-S 8B15	M12A-05PFFC-S 8B15
	M16.0	M12A-03PFFC-S 8C15	M12A-04PFFC-S 8C15	M12A-05PFFC-S 8C15
300mm	PG9	M12A-03PFFC-S 8B30	M12A-04PFFC-S 8B30	M12A-05PFFC-S 8B30
	M16.0	M12A-03PFFC-S 8C30	M12A-04PFFC-S 8C30	M12A-05PFFC-S 8C30
500mm	PG9	M12A-03PFFC-S 8B50	M12A-04PFFC-S 8B50	M12A-05PFFC-S 8B50
	M16.0	M12A-03PFFC-S 8C50	M12A-04PFFC-S 8C50	M12A-05PFFC-S 8C50
1000mm	PG9	M12A-03PFFC-S 8BA0	M12A-04PFFC-S 8BA0	M12A-05PFFC-S 8BA0
	M16.0	M12A-03PFFC-S 8CA0	M12A-04PFFC-S 8CA0	M12A-05PFFC-S 8CA0
1500mm	PG9	M12A-03PFFC-S 8BA5	M12A-04PFFC-S 8BA5	M12A-05PFFC-S 8BA5
	M16.0	M12A-03PFFC-S 8CA5	M12A-04PFFC-S 8CA5	M12A-05PFFC-S 8CA5
				
Backshell: Hexagonal				
Wire Length (UL1007)*	Mounting Thread	2A / 30V	1.5A / 30V	1.5A / 30V
150mm	PG9	M12A-08PFFS-S 8B15	M12A-10PFFS-S 8B15	M12A-12PFFS-S 8B15
	M16.0	M12A-08PFFS-S 8C15	M12A-10PFFS-S 8C15	M12A-12PFFS-S 8C15
300mm	PG9	M12A-08PFFS-S 8B30	M12A-10PFFS-S 8B30	M12A-12PFFS-S 8B30
	M16.0	M12A-08PFFS-S 8C30	M12A-10PFFS-S 8C30	M12A-12PFFS-S 8C30
500mm	PG9	M12A-08PFFS-S 8B50	M12A-10PFFS-S 8B50	M12A-12PFFS-S 8B50
	M16.0	M12A-08PFFS-S 8C50	M12A-10PFFS-S 8C50	M12A-12PFFS-S 8C50
1000mm	PG9	M12A-08PFFS-S 8BA0	M12A-10PFFS-S 8BA0	M12A-12PFFS-S 8BA0
	M16.0	M12A-08PFFS-S 8CA0	M12A-10PFFS-S 8CA0	M12A-12PFFS-S 8CA0
1500mm	PG9	M12A-08PFFS-S 8BA5	M12A-10PFFS-S 8BA5	M12A-12PFFS-S 8BA5
	M16.0	M12A-08PFFS-S 8CA5	M12A-10PFFS-S 8CA5	M12A-12PFFS-S 8CA5

⑧ Front Fastened (F) or Rear Fastened (H)

【Note】 Design and specification are subject to change without notice.

▽ M12 A-Coded (Metal Nut) > Overmolded with Cable > Male Connector

				
Type	4A/250V	4A/250V	4A/60V	2A / 30V
Without Strain Relief	M12A-03BMMM-S ⑧ 8XXX*	M12A-04BMMM-S ⑧ 8XXX*	M12A-05BMMM-S ⑧ 8XXX*	M12A-06BMMM-S ⑧ 8XXX*
				
Type	4A/250V	4A/250V	4A/60V	
Without Strain Relief	M12A-08BMMM-S ⑧ 8XXX*	M12A-10BMMM-S ⑧ 8XXX*	M12A-12BMMM-S ⑧ 8XXX*	

⑧ Straight (L) or Right Angle (R)

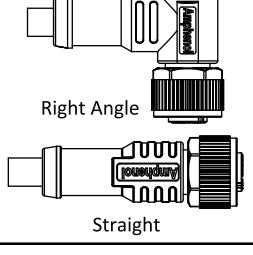
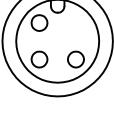
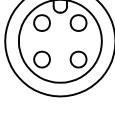
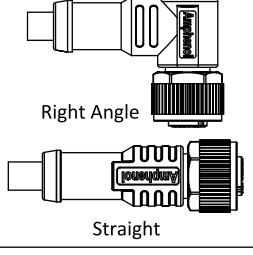
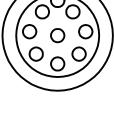
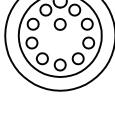
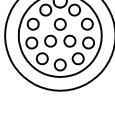
* XXX: Choose the cable type and length:

- PVC(UL2517 Yellow): 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)

- PU(UL20549 Black): 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)

- PVC(UL2517 Black): 1M (D01) / 2M (D02) / 5M (D05) / 10M (D10)

▽ M12 A-Coded (Metal Nut) > Overmolded with Cable > Female Connector

				
Type	4A/250V	4A/250V	4A/60V	2A / 30V
Without Strain Relief	M12A-03BFFM-S ⑧ 8XXX*	M12A-04BFFM-S ⑧ 8XXX*	M12A-05BFFM-S ⑧ 8XXX*	M12A-06BFFM-S ⑧ 8XXX*
				
Type	4A/250V	4A/250V	4A/60V	
Without Strain Relief	M12A-08BFFM-S ⑧ 8XXX*	M12A-10BFFM-S ⑧ 8XXX*	M12A-12BFFM-S ⑧ 8XXX*	

⑧ Straight (L) or Right Angle (R)

* XXX: Choose the cable type and length:

- PVC(UL2517 Yellow): 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)

- PU(UL20549 Black): 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)

- PVC(UL2517 Black): 1M (D01) / 2M (D02) / 5M (D05) / 10M (D10)

↓ M12 A-Coded (Metal Nut) > Overmolded with Cable > Female Connector

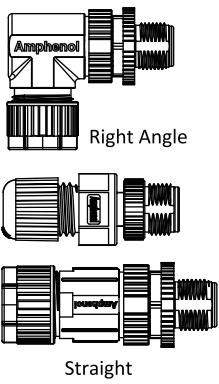
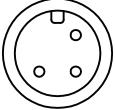
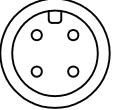
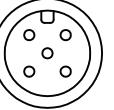
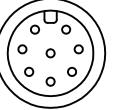
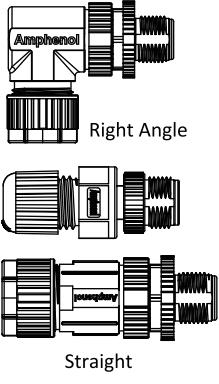
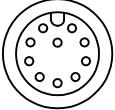
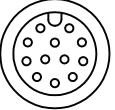
Type	4A / 60V	2A / 30V	1.5A / 30V
Without Strain Relief	MSAS-05BFFM-SL8D01	MSAS-08BFFM-SL8D01	MSAS-12BFFM-SL8D01

↓ M12 A-Coded (Metal Nut) > Overmolded with Cable > Male Connector

Type	4A / 60V	2A / 30V	1.5A / 30V
Without Strain Relief	MSAS-05BMMM-SL8D01	MSAS-08BMMM-SL8D01	MSAS-12BMMM-SL8D01

【Note】 Design and specification are subject to change without notice.

↓ M12 A-Coded (Metal Nut) > Field Installable > Male Connector

 Right Angle				
				
				
Type	Contact Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	Solder Type	12-03BMMA-SL8001	12-04BMMA-SL8001	12-05BMMA-SL8001
	Screw Type	M12A-03BMMB-S ⑧ 7001	M12A-04BMMB-S ⑧ 7001	M12A-05BMMB-S ⑧ 7001
 Right Angle				
				
Type	Contact Type	1.5A / 30V	1.5A / 30V	
Without Strain Relief	Solder Type	M12A-10BMMA-S ⑧ 7001	M12A-12BMMA-S ⑧ 7001	
	Screw Type	-	-	

⑧ Straight (L) or Right Angle (R)

【Note】 Design and specification are subject to change without notice.

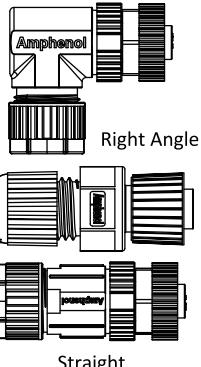
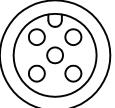
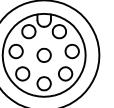
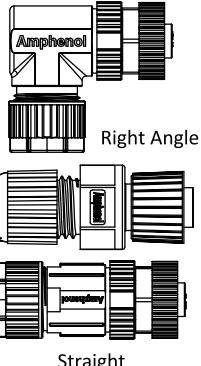
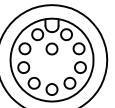
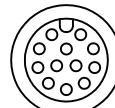
M12 A-Coded (Metal Nut)

Field Installable > Female Connector

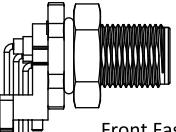
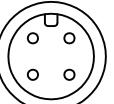
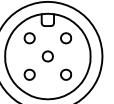
IP 65 . 67 . 68

Receptacle | Unmated
Overmolded with Cable | Mated
Field Installable | Mated

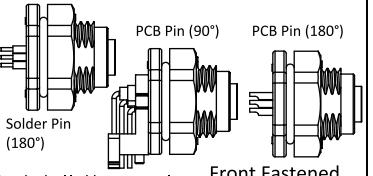
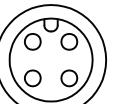
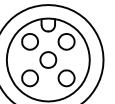
▽ M12 A-Coded (Metal Nut) > Field Installable > Female Connector

 Right Angle				
				
	Straight			
Type	Contact Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	Solder Type	12-03BFFA-SL8001	12-04BFFA-SL8001	12-05BFFA-SL8001
	Screw Type	M12A-03BFFB-S ⑧ 7001	M12A-04BFFB-S ⑧ 7001	M12A-05BFFB-S ⑧ 7001
⑧ Straight (L) or Right Angle (R)				
 Right Angle				
				
	Straight			
Type	Contact Type	1.5A / 30V	1.5A / 30V	
Without Strain Relief	Solder Type	M12A-10BFFA-S ⑧ 7001	M12A-12BFFA-S ⑧ 7001	
	Screw Type	-	-	

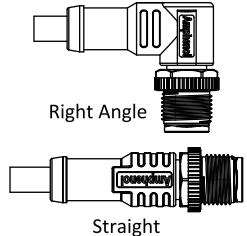
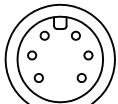
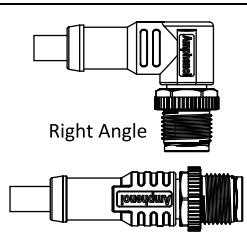
↳ M12 A-Coded (Plastic) > Receptacle > Male Connector > Front Fastened

			
Backshell: Hexagonal			
Type	Mounting Thread	4A/250V	4A/250V
Solder Pin (90°)	M12	MSAP-03PMMR-SF8003	MSAP-04PMMR-SF8003

↳ M12 A-Coded (Plastic) > Receptacle > Female Connector

				
Backshell: Hexagonal				
Type	Mounting Thread	4A/250V	4A/250V	4A/60V
PCB Pin (180°)	M16.0	MSAP-03PFFP-SF8002	MSAP-04PFFP-SF8002	MSAP-05PFFP-SF8002
PCB Pin (90°)	M16.0	MSAP-03PFFR-SF8002	MSAP-04PFFR-SF8002	MSAP-05PFFR-SF8002
Solder Pin (180°)	M16.0	MSAP-03PFFS-SF8002	MSAP-04PFFS-SF8002	MSAP-05PFFS-SF8002

↳ M12 A-Coded (Plastic) > Overmolded with Cable > Male Connector

				
Type	4A/250V	4A/250V	4A/60V	2A/30V
Without Strain Relief	MSAP-03BMMM-S 8 XXX*	MSAP-04BMMM-S 8 XXX*	MSAP-05BMMM-S 8 XXX*	MSAP-06BMMM-S 8 XXX*
				
Type	2A/30V	1.5A/30V	1.5A/30V	
Without Strain Relief	MSAP-08BMMM-S 8 XXX*	MSAP-10BMMM-S 8 XXX*	MSAP-12BMMM-S 8 XXX*	

⑧ Right Angle (R) or Straight (L)

* XXX: Choose the cable type and length:

- PVC: 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)

- PU: 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)

【 Note 】 Design and specification are subject to change without notice.

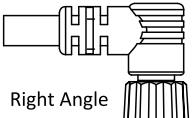
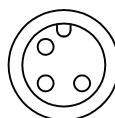
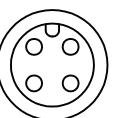
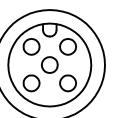
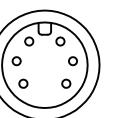
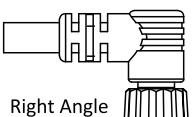
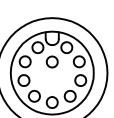
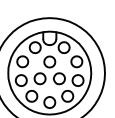
M12 A-Coded (Plastic)

Overmolded with Cable > Female Connector

IP 65 . 67 . 68

Receptacle I Unmated
 Overmolded with Cable I Mated
 Field Installable I Mated

▽ M12 A-Coded (Plastic) > Overmolded with Cable > Female Connector

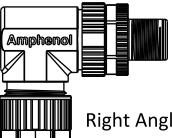
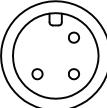
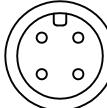
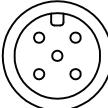
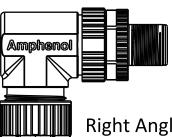
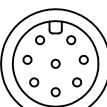
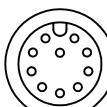
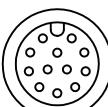
 Right Angle				
Type	4A/250V	4A/250V	4A/60V	2A/30V
Without Strain Relief	MSAP-03BFFM-S ⑧ 8XXX*	MSAP-04BFFM-S ⑧ 8XXX*	MSAP-05BFFM-S ⑧ 8XXX*	MSAP-06BFFM-S ⑧ 8XXX*
 Right Angle				
Type	2A/30V	1.5A/30V	1.5A/30V	
Without Strain Relief	MSAP-08BFFM-S ⑧ 8XXX*	MSAP-10BFFM-S ⑧ 8XXX*	MSAP-12BFFM-S ⑧ 8XXX*	

⑧ Right Angle (R) or Straight (L)

* XXX: Choose the cable type and length:

- PVC: 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU: 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)

△ M12 A-Coded (Plastic) > Field Installable > Male Connector

 Right Angle				
Type	Contact Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	Solder Type	12P-03BMMA-SL8001	12P-04BMMA-SL8001	12P-05BMMA-SL8001
	Screw Type	MSAP-03BMMB-S⑧7001	MSAP-04BMMB-S⑧7001	MSAP-05BMMB-S⑧7001
 Right Angle				
Type	Contact Type	2A/30V	1.5A/30V	1.5A/30V
Without Strain Relief	Solder Type	12P-08BMMA-SL8001	MSAP-10BMMA-S⑧7001	MSAP-12BMMA-S⑧7001
	Screw Type	MSAP-08BMMA-S⑧8001	-	-

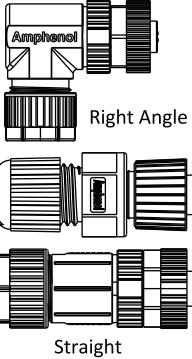
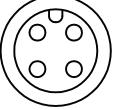
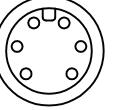
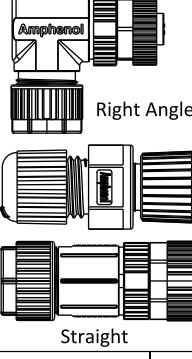
⑧ Right Angle (R) or Straight (L)

【Note】 Design and specification are subject to change without notice.

M12 A-Coded (Plastic)

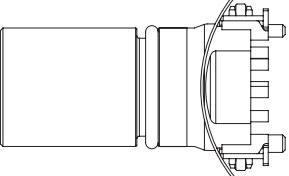
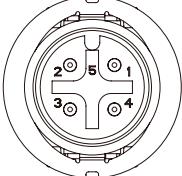
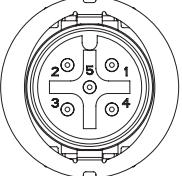
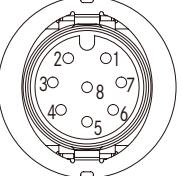
Field Installable > Female Connector

↓ M12 A-Coded (Plastic) > Field Installable > Female Connector

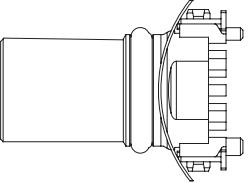
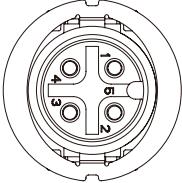
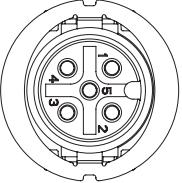
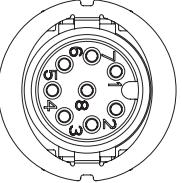
 Right Angle					
	Type	Contact Type	4A/250V	4A/250V	4A/60V
	Without Strain Relief	Solder Type	12P-03BFFA-SL8001	12P-04BFFA-SL8001	12P-05BFFA-SL8001
 Straight		Screw Type	MSAP-03BFFB-S ⑧ 7001	MSAP-04BFFB-S ⑧ 7001	MSAP-05BFFB-S ⑧ 7001
	Type	Contact Type	2A/30V	1.5A/30V	1.5A/30V
	Without Strain Relief	Solder Type	12P-08BFFA-SL8001	MSAP-10BFFA-S ⑧ 7001	MSAP-12BFFA-S ⑧ 7001
⑧ Right Angle (R) or Straight (L)					

【Note】 Design and specification are subject to change without notice.

↳ M12 A-Coded (SMT) > Receptacle > Male Connector

				
Type	Mounting Thread	4A/250V	4A/60V	
Without Strain Relief	SMT Type	MSAS-04PMMT-EE8001	MSAS-05PMMT-EE8001	MSAS-08PMMT-EE8001

↳ M12 A-Coded (SMT) > Receptacle > Female Connector

				
Type	Mounting Thread	4A/250V	4A/60V	
Without Strain Relief	SMT Type	MSAS-04PFFT-EE8001	MSAS-05PFFT-EE8001	MSAS-08PFFT-EE8001

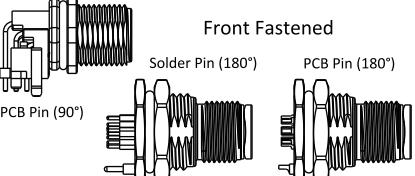
M12 B-Coded (Shielded)

Receptacle > Male / Female Connector

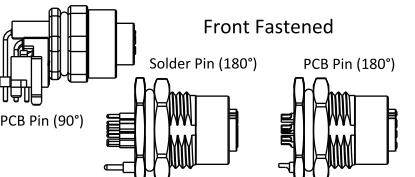
IP 65 . 67 . 68

Receptacle I Unmated
Overmolded with Cable I Mated
Field Installable I Mated

↳ **M12 B-Coded (Shielded) > Receptacle > Male Connector**

				
Type	Mounting Thread	4A/250V	4A/250V	4A/60V
PCB Pin (180°)	PG9	MSBS-03PMMP-SF8001	MSBS-04PMMP-SF8001	MSBS-05PMMP-SF8001
	M16.0	MSBS-03PMMP-SF8002	MSBS-04PMMP-SF8002	MSBS-05PMMP-SF8002
PCB Pin (90°)	M12	-	-	MSBS-05PMMR-SF7003
Solder Pin (180°)	PG9	MSBS-03PMMS-SF8001	MSBS-04PMMS-SF8001	MSBS-05PMMS-SF8001
	M16.0	MSBS-03PMMS-SF8002	MSBS-04PMMS-SF8002	MSBS-05PMMS-SF8002

↳ **M12 B-Coded (Shielded) > Receptacle > Female Connector**

				
Type	Mounting Thread	4A/250V	4A/250V	4A/60V
PCB Pin (180°)	PG9	MSBS-03PFFP-SF8001	MSBS-04PFFP-SF8001	MSBS-05PFFP-SF8001
	M16.0	MSBS-03PFFP-SF8002	MSBS-04PFFP-SF8002	MSBS-05PFFP-SF8002
PCB Pin (90°)	M12	-	-	MSBS-05PFFR-SF7003
Solder Pin (180°)	PG9	MSBS-03PFFS-SF8001	MSBS-04PFFS-SF8001	MSBS-05PFFS-SF8001
	M16.0	MSBS-03PFFS-SF8002	MSBS-04PFFS-SF8002	MSBS-05PFFS-SF8002

【Note】 Design and specification are subject to change without notice.

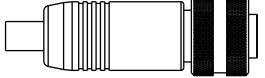
▽ M12 B-Coded (Shielded) > Overmolded with Cable > Male Connector

			
Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	-	-	MSBS-05BMMM-SL7XXX*

* XXX: Choose the cable type and length:

- PVC (UL2517 Yellow): 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU (UL20549 Black): 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)

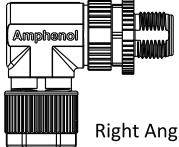
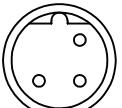
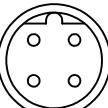
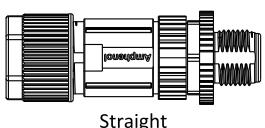
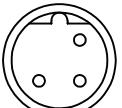
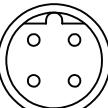
▽ M12 B-Coded (Shielded) > Overmolded with Cable > Female Connector

			
Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	-	-	MSBS-05BFFM-SL7XXX*

* XXX: Choose the cable type and length:

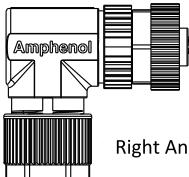
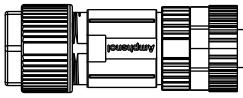
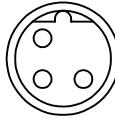
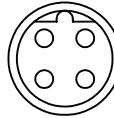
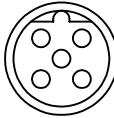
- PVC (UL2517 Yellow): 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU (UL20549 Black): 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)

▽ M12 B-Coded (Shielded) > Field Installable > Male Connector

			
			
Type	Contact Type	4A/250V	4A/250V
Without Strain Relief	Screw Type	-	-
			MSBS-05BMMB-SL7001

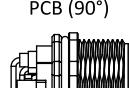
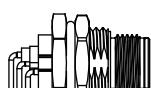
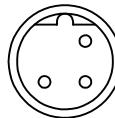
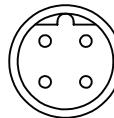
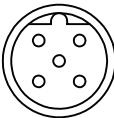
⑧ Right Angle (R) or Straight (L)

▽ M12 B-Coded (Shielded) > Field Installable > Female Connector

				
Type	Contact Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	Screw Type	-	-	MSBS-05BFFB-S⑧7001

⑧ Right Angle (R) or Straight (L)

▽ M12 B-Coded (Metal Nut) > Receptacle > Male Connector

 	 			
Backshell: Hexagonal				
Type	Mounting Thread	4A/250V	4A/250V	4A/60V
PCB Pin (180°)	PG9	M12B-03PMMP-SF8001	M12B-04PMMP-SF8001	M12B-05PMMP-SF8001
	M16.0	M12B-03PMMP-SF8002	M12B-04PMMP-SF8002	M12B-05PMMP-SF8001
PCB Pin (90°)	M12	-	-	M12B-05PMMR-SF7003
	PG9	-	-	M12B-05PMMR-SF8001
	M16.0	-	-	M12B-05PMMR-SF8002
Solder Pin (180°)	PG9	M12B-03PMMS-S⑧8001	M12B-04PMMS-S⑧8001	M12B-05PMMS-S⑧8001
	M16.0	M12B-03PMMS-S⑧8002	M12B-04PMMS-S⑧8002	M12B-05PMMS-S⑧8002

⑧ Front Fastened (F) or Rear Fastened (H)

【Note】 Design and specification are subject to change without notice.

↓ M12 B-Coded (Metal Nut) > Receptacle > Female Connector

PCB (180°) / Front Fastened				
PCB (180°) / Front Fastened				
Backshell: Hexagonal				
Type	Mounting Thread	4A/250V	4A/250V	4A/60V
PCB Pin (180°)	PG9	M12B-03PFFF-SF8001	M12B-04PFFF-SF8001	M12B-05PFFF-SF8001
	M16.0	M12B-03PFFF-SF8002	M12B-04PFFF-SF8002	M12B-05PFFF-SF8001
PCB Pin (90°)	M12	-	-	M12B-05PFFR-SF7003
	PG9	-	-	M12B-05PFFR-SF8001
	M16.0	-	-	M12B-05PFFR-SF8002
Solder Pin (180°)	PG9	M12B-03PFFS-S⑧8001	M12B-04PFFS-S⑧8001	M12B-05PFFS-S⑧8001
	M16.0	M12B-03PFFS-S⑧8002	M12B-04PFFS-S⑧8002	M12B-05PFFS-S⑧8002

⑧ Front Fastened (F) or Rear Fastened (H)

↓ M12 B-Coded (Metal Nut) > Receptacle with Wire Harness > Male Connector

	Front Fastened			
	Rear Fastened			
Backshell: Hexagonal				
Wire Length (UL1007)*	Mounting Thread	4A/250V	4A/250V	4A/60V
150mm	PG9	M12B-03PMMC-S⑧8B15	M12B-04PMMC-S⑧8B15	M12B-05PMMC-S⑧8B15
	M16.0	M12B-03PMMC-S⑧8C15	M12B-04PMMC-S⑧8C15	M12B-05PMMC-S⑧8C15
300mm	PG9	M12B-03PMMC-S⑧8B30	M12B-04PMMC-S⑧8B30	M12B-05PMMC-S⑧8B30
	M16.0	M12B-03PMMC-S⑧8C30	M12B-04PMMC-S⑧8C30	M12B-05PMMC-S⑧8C30
500mm	PG9	M12B-03PMMC-S⑧8B50	M12B-04PMMC-S⑧8B50	M12B-05PMMC-S⑧8B50
	M16.0	M12B-03PMMC-S⑧8C50	M12B-04PMMC-S⑧8C50	M12B-05PMMC-S⑧8C50
1000mm	PG9	M12B-03PMMC-S⑧8BA0	M12B-04PMMC-S⑧8BA0	M12B-05PMMC-S⑧8BA0
	M16.0	M12B-03PMMC-S⑧8CA0	M12B-04PMMC-S⑧8CA0	M12B-05PMMC-S⑧8CA0
1500mm	PG9	M12B-03PMMC-S⑧8BA5	M12B-04PMMC-S⑧8BA5	M12B-05PMMC-S⑧8BA5
	M16.0	M12B-03PMMC-S⑧8CA5	M12B-04PMMC-S⑧8CA5	M12B-05PMMC-S⑧8CA5

⑧ Front Fastened (F) or Rear Fastened (H)

* Other wire types are available upon request.

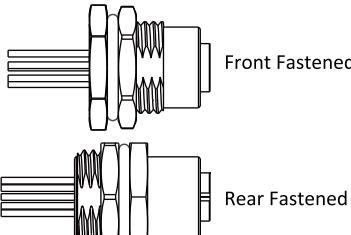
M12 B-Coded (Metal Nut)

Receptacle with Wire Harness > Female Connector | Overmolded with Cable > Male Connector

IP 65 . 67 . 68

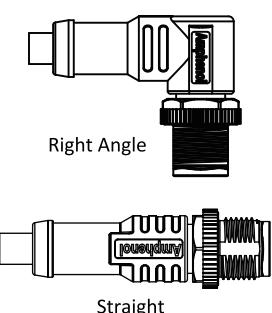
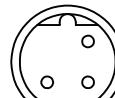
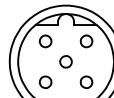
Receptacle | Unmated
Overmolded with Cable | Mated
Field Installable | Mated

▽ M12 B-Code (Metal Nut) > Receptacle with Wire Harness > Female Connector

 <p>Front Fastened Rear Fastened</p> <p>Backshell: Hexagonal</p>				
	Wire Length (UL1007)*	Mounting Thread	4A/250V	4A/250V
150mm	PG9	M12B-03PFFC-S 8B15	M12B-04PFFC-S 8B15	M12B-05PFFC-S 8B15
	M16.0	M12B-03PFFC-S 8C15	M12B-04PFFC-S 8C15	M12B-05PFFC-S 8C15
300mm	PG9	M12B-03PFFC-S 8B30	M12B-04PFFC-S 8B30	M12B-05PFFC-S 8B30
	M16.0	M12B-03PFFC-S 8C30	M12B-04PFFC-S 8C30	M12B-05PFFC-S 8C30
500mm	PG9	M12B-03PFFC-S 8B50	M12B-04PFFC-S 8B50	M12B-05PFFC-S 8B50
	M16.0	M12B-03PFFC-S 8C50	M12B-04PFFC-S 8C50	M12B-05PFFC-S 8C50
1000mm	PG9	M12B-03PFFC-S 8BA0	M12B-04PFFC-S 8BA0	M12B-05PFFC-S 8BA0
	M16.0	M12B-03PFFC-S 8CA0	M12B-04PFFC-S 8CA0	M12B-05PFFC-S 8CA0
1500mm	PG9	M12B-03PFFC-S 8BA5	M12B-04PFFC-S 8BA5	M12B-05PFFC-S 8BA5
	M16.0	M12B-03PFFC-S 8CA5	M12B-04PFFC-S 8CA5	M12B-05PFFC-S 8CA5

⑧ Front Fastened (F) or Rear Fastened (H)

▽ M12 B-Coded (Metal Nut) > Overmolded with Cable > Male Connector

 <p>Right Angle Straight</p>				
	Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	M12B-03BMMM-S 8XXX*	M12B-04BMMM-S 8XXX*	M12B-05BMMM-S 8XXX*	

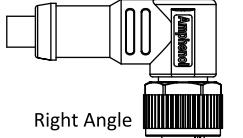
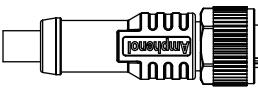
⑧ Right Angle (R) or Straight (L)

* XXX: Choose the cable type and length:

- PVC(UL2517 Yellow): 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU(UL20549 Black): 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)
- PVC(UL2517 Black): 1M (D01) / 2M (D02) / 5M (D05) / 10M (D10)

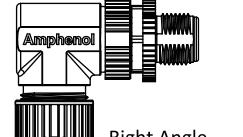
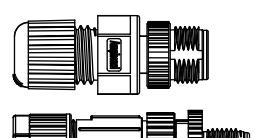
【Note】 Design and specification are subject to change without notice.

▽ M12 B-Coded (Metal Nut) > Overmolded with Cable > Female Connector

				
Type		4A/250V	4A/250V	4A/60V
Without Strain Relief		M12B-03BFFM-S 8 XXX*	M12B-04BFFM-S 8 XXX*	M12B-05BFFM-S 8 XXX*

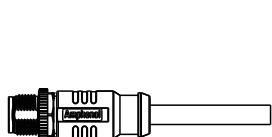
⑧ Right Angle (R) or Straight (L)
 * XXX: Choose the cable type and length:
 - PVC(UL2517 Yellow): 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
 - PU(UL20549 Black): 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)
 - PVC(UL2517 Black): 1M (D01) / 2M (D02) / 5M (D05) / 10M (D10)

▽ M12 B-Coded (Metal Nut) > Field Installable > Male Connector

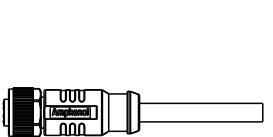
				
Type	Contact Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	Solder Type	12B-03BMMA-SL8001	12B-04BMMA-SL8001	12B-05BMMA-SL8001
	Screw Type	-	-	M12B-05BMMB-S 8 7001

⑧ Right Angle (R) or Straight (L)

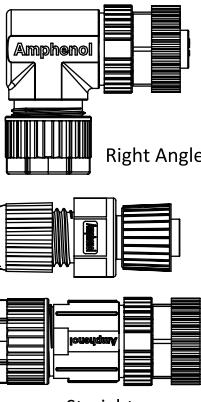
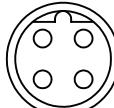
▽ M12 B-Coded (Metal Nut) > Overmolded with Cable > Female Connector

	
Type	4A/60V
Without Strain Relief	MSBS-05BFFM-SL8D01

▽ M12 B-Coded (Metal Nut) > Overmolded with Cable > Male Connector

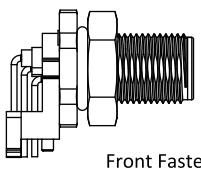
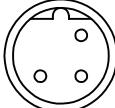
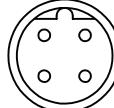
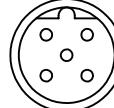
	
Type	4A/60V
Without Strain Relief	MSBS-05BMMM-SL8D01

▽ M12 B-Coded (Metal Nut) > Field Installable > Female Connector

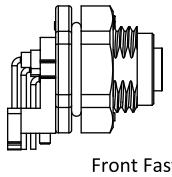
				
Type	Contact Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	Solder Type	12B-03BFFA-SL8001	12B-04BFFA-SL8001	12B-05BFFA-SL8001
	Screw Type	-	-	M12B-05BFFB-S⑧7001

⑧ Right Angle (R) or Straight (L)

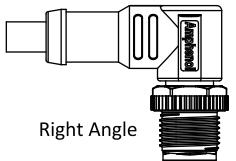
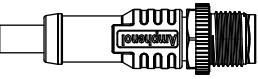
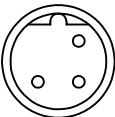
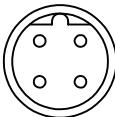
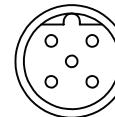
▽ M12 B-Coded (Plastic) > Receptacle > Male Connector

				
Backshell: Hexagonal				
Type	Mounting Thread	4A/60V	4A/60V	4A/60V
PCB Pin (90°)	M12	-	-	MSBP-05PMMR-SF8003

▽ M12 B-Coded (Plastic) > Receptacle > Female Connector

				
Backshell: Hexagonal				
Type	Mounting Thread	4A/60V	4A/60V	4A/60V
PCB Pin (90°)	M12	-	-	MSBP-05PMMR-SF8003

▽ M12 B-Coded (Plastic) > Overmolded with Cable > Male Connector

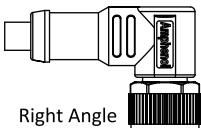
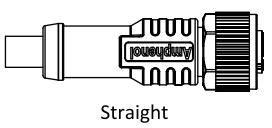
 Right Angle	 Straight			
Type	4A/250V	4A/250V	4A/250V	4A/60V
Without Strain Relief	MSBP-03BMMM-S ⑧ 8XXX*	MSBP-04BMMM-S ⑧ 8XXX*	MSBP-05BMMM-S ⑧ 8XXX*	MSBP-05BFFF-S ⑧ 8XXX*

⑧ Right Angle (R) or Straight (L)

* XXX: Choose the cable type and length:

- PVC(UL2517 Yellow): 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU(UL20549 Black): 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)
- PVC(UL2517 Black): 1M (D01) / 2M (D02) / 5M (D05) / 10M (D10)

▽ M12 B-Coded (Plastic) > Overmolded with Cable > Female Connector

 Right Angle	 Straight			
Type	4A/250V	4A/250V	4A/250V	4A/60V
Without Strain Relief	MSBP-03BFFM-S ⑧ 8XXX*	MSBP-04BFFM-S ⑧ 8XXX*	MSBP-05BFFM-S ⑧ 8XXX*	MSBP-05BFFF-S ⑧ 8XXX*

⑧ Right Angle (R) or Straight (L)

* XXX: Choose the cable type and length:

- PVC(UL2517 Yellow): 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU(UL20549 Black): 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)
- PVC(UL2517 Black): 1M (D01) / 2M (D02) / 5M (D05) / 10M (D10)

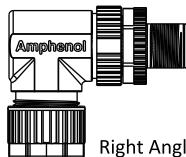
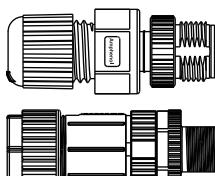
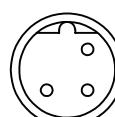
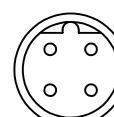
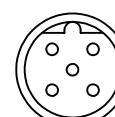
B-Coded (Plastic)

Field Installable > Male / Female Connector

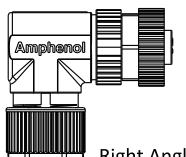
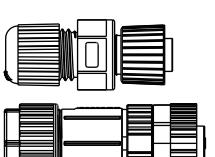
IP 65 . 67 . 68

Receptacle | Unmated
 Overmolded with Cable | Mated
 Field Installable | Mated

↳ **M12 B-Coded (Plastic) > Field Installable > Male Connector**

 Right Angle	 Straight			
Type	Contact Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	Solder Type	SBP-03BMMA-SL8001	SBP-04BMMA-SL8001	SBP-05BMMA-SL8001
	Screw Type	-	-	MSBP-05BMMB-S 8 7001

8 Right Angle (R) or Straight (L)↳ **M12 B-Coded (Plastic) > Field Installable > Female Connector**

 Right Angle	 Straight			
Type	Contact Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	Solder Type	SBP-03BFFA-SL8001	SBP-04BFFA-SL8001	SBP-05BFFA-SL8001
	Screw Type	-	-	MSBP-05BFFB-S 8 7001

8 Right Angle (R) or Straight (L)

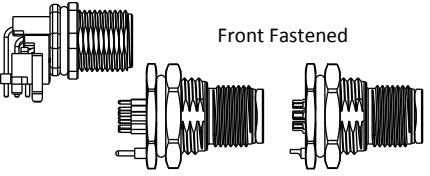
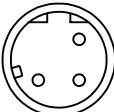
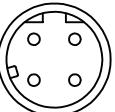
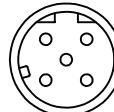
↳ M12 B-Coded (SMT) > Receptacle > Male Connector

Type	Mounting Thread	4A/60V
Without Strain Relief	SMT Type	MSBS-05PMMT-EE8001

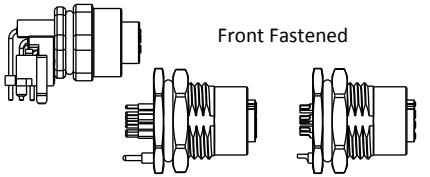
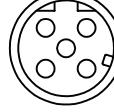
↳ M12 B-Coded (SMT) > Receptacle > Female Connector

Type	Mounting Thread	4A/60V
Without Strain Relief	SMT Type	MSBS-05PFFT-EE8001

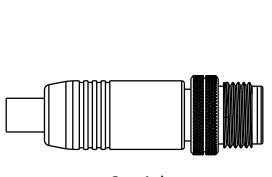
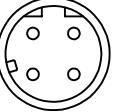
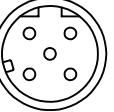
↳ M12 D-Coded (Shielded) > Receptacle > Male Connector

 Front Fastened Backshell: Hexagonal				
Type	Mounting Thread	4A/250V	4A/250V	4A/60V
PCB Pin (180°)	PG9	MSDS-03PMMP-SF8001	MSDS-04PMMP-SF8001	MSDS-05PMMP-SF8001
	M16.0	MSDS-03PMMP-SF8002	MSDS-04PMMP-SF8002	MSDS-05PMMP-SF8002
PCB Pin (90°)	M12	-	MSDS-04PMMR-SF7003	-
Solder Pin (180°)	PG9	MSDS-03PMMS-SF8001	MSDS-04PMMS-SF8001	MSDS-05PMMS-SF8001
	M16.0	MSDS-03PMMS-SF8002	MSDS-04PMMS-SF8002	MSDS-05PMMS-SF8002

↳ M12 D-Coded (Shielded) > Receptacle > Female Connector

 Front Fastened Backshell: Hexagonal				
Type	Mounting Thread	4A/250V	4A/250V	4A/60V
PCB Pin (180°)	PG9	MSDS-03PFFP-SF8001	MSDS-04PFFP-SF8001	MSDS-05PFFP-SF8001
	M16.0	MSDS-03PFFP-SF8002	MSDS-04PFFP-SF8002	MSDS-05PFFP-SF8002
PCB Pin (90°)	M12	-	MSDS-04PFFP-SF7003	-
Solder Pin (180°)	PG9	MSDS-03PFFS-SF8001	MSDS-04PFFS-SF8001	MSDS-05PFFS-SF8001
	M16.0	MSDS-03PFFS-SF8002	MSDS-04PFFS-SF8002	MSDS-05PFFS-SF8002

↳ M12 D-Coded (Shielded) > Overmolded with Cable > Male Connector

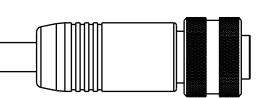
 Straight				
Type		4A/250V	4A/250V	4A/60V
Without Strain Relief		-	MSDS-04BMMM-SL7XXX*	-

* XXX: Choose the cable type and length:

- PVC: 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)

- PU: 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)

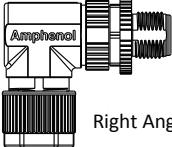
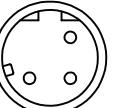
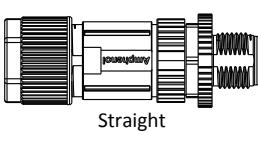
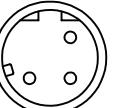
▽ M12 D-Coded (Shielded) > Overmolded with Cable > Female Connector

			
Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	-	MSDS-04BFFM-SL7XXX*	-

* XXX: Choose the cable type and length:

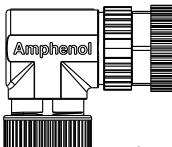
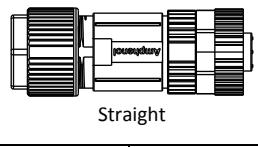
- PVC: 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU: 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)

▽ M12 D-Coded (Shielded) > Field Installable > Male Connector

			
			
Type	Contact Type	4A/250V	4A/250V
Without Strain Relief	Screw Type	-	MSDS-04BMMB-S⑧7001

⑧ Right Angle (R) or Straight (L)

▽ M12 D-Coded (Shielded) > Field Installable > Female Connector

			
			
Type	Contact Type	4A/250V	4A/250V
Without Strain Relief	Screw Type	-	MSDS-04BFFB-S⑧7001

⑧ Right Angle (R) or Straight (L)

[Note] Design and specification are subject to change without notice

M12 D-Coded (Metal Nut)

Receptacle > Male / Female Connector

IP 65 . 67 . 68

Receptacle I Unmated
Overmolded with Cable I Mated
Field Installable I Mated

↳ **M12 D-Coded (Metal Nut) > Receptacle > Male Connector**

PCB (90°) / Front Fastened				
PCB (180°) / Front Fastened				
Backshell: Hexagonal				
Type	Mounting Thread	4A/250V	4A/250V	4A/60V
PCB Pin (180°)	PG9	M12D-03PMMP-SF8001	M12D-04PMMP-SF8001	M12D-05PMMP-SF8001
	M16.0	M12D-03PMMP-SF8002	M12D-04PMMP-SF8001	M12D-05PMMP-SF8001
PCB Pin (90°)	M12	-	M12D-04PMMR-SF7003	-
	PG9	-	M12D-04PMMR-SF8001	-
	M16.0	-	M12D-04PMMR-SF8002	-
Solder Pin (180°)	PG9	M12D-03PMMS-S⑧8001	M12D-04PMMS-S⑧8001	M12D-05PMMS-S⑧8001
	M16.0	M12D-03PMMS-S⑧8002	M12D-04PMMS-S⑧8002	M12D-05PMMS-S⑧8002

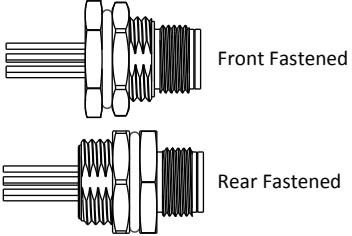
⑧ Front Fastened (F) or Rear Fastened (H)

↳ **M12 D-Coded (Metal Nut) > Receptacle > Female Connector**

PCB (90°) / Front Fastened				
PCB (180°) / Front Fastened				
Backshell: Hexagonal				
Type	Mounting Thread	4A/250V	4A/250V	4A/60V
PCB Pin (180°)	PG9	M12D-03PFFP-SF8001	M12D-04PFFP-SF8001	M12D-05PFFP-SF8001
	M16.0	M12D-03PFFP-SF8002	M12D-04PFFP-SF8001	M12D-05PFFP-SF8001
PCB Pin (90°)	M12	-	M12D-04PFRR-SF7003	-
	PG9	-	M12D-04PFRR-SF8001	-
	M16.0	-	M12D-04PFRR-SF8002	-
Solder Pin (180°)	PG9	M12D-03PFFS-S⑧8001	M12D-04PFFS-S⑧8001	M12D-05PFFS-S⑧8001
	M16.0	M12D-03PFFS-S⑧8002	M12D-04PFFS-S⑧8002	M12D-05PFFS-S⑧8002

⑧ Front Fastened (F) or Rear Fastened (H)

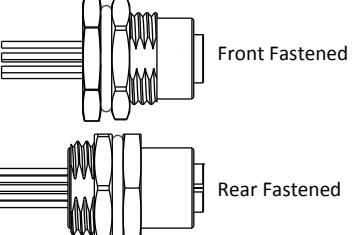
↳ M12 D-Coded (Metal Nut) > Receptacle with Wire Harness > Male Connector



Wire Length (UL1007)*	Mounting Thread	Front Fastened	Rear Fastened	
150mm	PG9	M12D-03PMMC-S 8B15	M12D-04PMMC-S 8B15	M12D-05PMMC-S 8B15
	M16.0	M12D-03PMMC-S 8C15	M12D-04PMMC-S 8C15	M12D-05PMMC-S 8C15
300mm	PG9	M12D-03PMMC-S 8B30	M12D-04PMMC-S 8B30	M12D-05PMMC-S 8B30
	M16.0	M12D-03PMMC-S 8C30	M12D-04PMMC-S 8C30	M12D-05PMMC-S 8C30
500mm	PG9	M12D-03PMMC-S 8B50	M12D-04PMMC-S 8B50	M12D-05PMMC-S 8B50
	M16.0	M12D-03PMMC-S 8C50	M12D-04PMMC-S 8C50	M12D-05PMMC-S 8C50
1000mm	PG9	M12D-03PMMC-S 8BA0	M12D-04PMMC-S 8BA0	M12D-05PMMC-S 8BA0
	M16.0	M12D-03PMMC-S 8CA0	M12D-04PMMC-S 8CA0	M12D-05PMMC-S 8CA0
1500mm	PG9	M12D-03PMMC-S 8BA5	M12D-04PMMC-S 8BA5	M12D-05PMMC-S 8BA5
	M16.0	M12D-03PMMC-S 8CA5	M12D-04PMMC-S 8CA5	M12D-05PMMC-S 8CA5

⑧ Front Fastened (F) or Rear Fastened (H)

↳ M12 D-Coded (Metal Nut) > Receptacle with Wire Harness > Female Connector



Wire Length (UL1007)*	Mounting Thread	Front Fastened	Rear Fastened	
150mm	PG9	M12D-03PFFC-S 8B15	M12D-04PFFC-S 8B15	M12D-05PFFC-S 8B15
	M16.0	M12D-03PFFC-S 8C15	M12D-04PFFC-S 8C15	M12D-05PFFC-S 8C15
300mm	PG9	M12D-03PFFC-S 8B30	M12D-04PFFC-S 8B30	M12D-05PFFC-S 8B30
	M16.0	M12D-03PFFC-S 8C30	M12D-04PFFC-S 8C30	M12D-05PFFC-S 8C30
500mm	PG9	M12D-03PFFC-S 8B50	M12D-04PFFC-S 8B50	M12D-05PFFC-S 8B50
	M16.0	M12D-03PFFC-S 8C50	M12D-04PFFC-S 8C50	M12D-05PFFC-S 8C50
1000mm	PG9	M12D-03PFFC-S 8BA0	M12D-04PFFC-S 8BA0	M12D-05PFFC-S 8BA0
	M16.0	M12D-03PFFC-S 8CA0	M12D-04PFFC-S 8CA0	M12D-05PFFC-S 8CA0
1500mm	PG9	M12D-03PFFC-S 8BA5	M12D-04PFFC-S 8BA5	M12D-05PFFC-S 8BA5
	M16.0	M12D-03PFFC-S 8CA5	M12D-04PFFC-S 8CA5	M12D-05PFFC-S 8CA5

⑧ Front Fastened (F) or Rear Fastened (H)

[Notes] Design and specification are subject to change without notice.

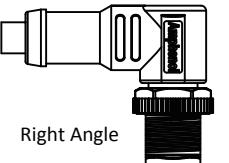
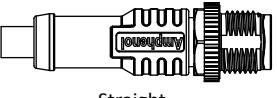
M12 D-Coded (Metal Nut)

Overmolded with Cable > Male / Female Connector

IP 65 . 67 . 68

Receptacle I Unmated
 Overmolded with Cable I Mated
 Field Installable I Mated

▽ M12 D-Coded (Metal Nut) > Overmolded with Cable > Male Connector

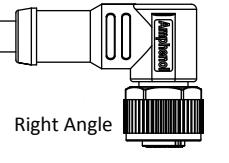
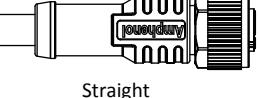
			
Right Angle			
			
Straight			
Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	M12D-03BMMM-S⑧8XXX*	M12D-04BMMM-S⑧8XXX*	M12D-05BMMM-S⑧8XXX*

⑧ Right Angle (R) or Straight (L) - PVC(UL2517 Yellow): 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)

* XXX: Choose the cable type and length: - PU(UL20549 Black): 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)

- PVC(UL2517 Black): 1M (D01) / 2M (D02) / 5M (D05) / 10M (D10)

▽ M12 D-Coded (Metal Nut) > Overmolded with Cable > Female Connector

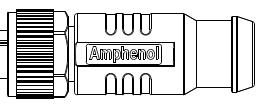
			
Right Angle			
			
Straight			
Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	M12D-03BFFM-S⑧8XXX*	M12D-04BFFM-S⑧8XXX*	M12D-05BFFM-S⑧8XXX*

⑧ Right Angle (R) or Straight (L) - PVC(UL2517 Yellow): 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)

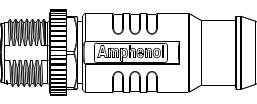
* XXX: Choose the cable type and length: - PU(UL20549 Black): 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)

- PVC(UL2517 Black): 1M (D01) / 2M (D02) / 5M (D05) / 10M (D10)

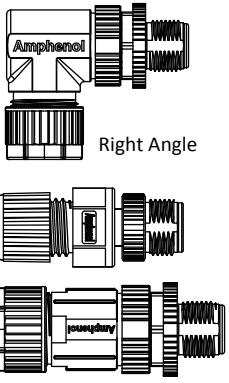
▽ M12 D-Coded (Metal Nut) > Overmolded with Cable > Female Connector

	
Type	4A / 250V
Without Strain Relief	MSBS-05BFFM-SL8D01

▽ M12 D-Coded (Metal Nut) > Overmolded with Cable > Male Connector

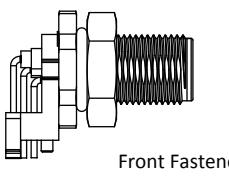
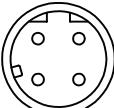
	
Type	4A / 250V
Without Strain Relief	MSDS-04BMMM-SL8D01

▽ M12 D-Coded (Metal Nut) > Field Installable > Male Connector

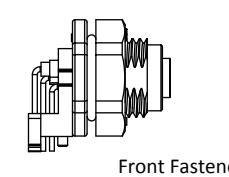
 <p>Right Angle Straight</p>				
Type	Contact Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	Solder Type	12D-03BMMA-SL8001	12D-04BMMA-SL8001	12D-05BMMA-SL8001

⑧ Right Angle (R) or Straight (L)

▽ M12 D-Coded (Plastic) > Receptacle > Male Connector

 <p>Front Fastened Backshell: Hexagonal</p>				
Type	Mounting Thread	4A/250V	4A/250V	4A/60V
PCB Pin (90°)	M12	-	MSDP-04PMMR-SF8003	-

▽ M12 D-Coded (Plastic) > Receptacle > Female Connector

 <p>Front Fastened Backshell: Hexagonal</p>				
Type	Mounting Thread	4A/250V	4A/250V	4A/60V
PCB Pin (90°)	M16	-	MSDP-04PFRR-SF8002	-

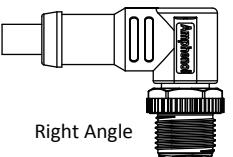
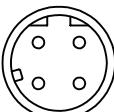
[Notes] Design and specification are subject to change without notice.

M12 D-Coded (Plastic)

Overmolded with Cable > Male / Female Connector

Receptacle | Unmated
 Overmolded with Cable | Mated
 Field Installable | Mated

△ M12 D-Coded (Plastic) > Overmolded with Cable > Male Connector

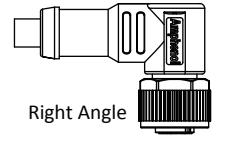
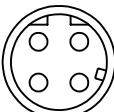
 Right Angle			
Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	MSDP-03BMMM-S 8 XXX*	MSDP-04BMMM-S 8 XXX*	MSDP-05BMMM-S 8 XXX*

⑧ Right Angle (R) or Straight (L)

* XXX: Choose the cable type and length:

- PVC(UL2517 Yellow): 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU(UL20549 Black): 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)
- PVC(UL2517 Black): 1M (D01) / 2M (D02) / 5M (D05) / 10M (D10)

△ M12 D-Coded (Plastic) > Overmolded with Cable > Female Connector

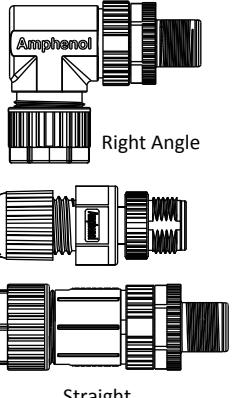
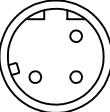
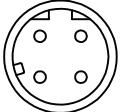
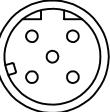
 Right Angle			
Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	MSDP-03BFFM-S 8 XXX*	MSDP-04BFFM-S 8 XXX*	MSDP-05BFFM-S 8 XXX*

⑧ Right Angle (R) or Straight (L)

* XXX: Choose the cable type and length:

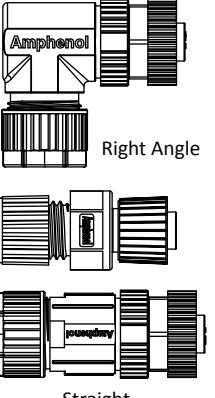
- PVC(UL2517 Yellow): 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU(UL20549 Black): 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)
- PVC(UL2517 Black): 1M (D01) / 2M (D02) / 5M (D05) / 10M (D10)

▷ M12 D-Coded (Plastic) > Field Installable > Male Connector

 Right Angle				
				
Type	Contact Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	Solder Type	SDP-03BMMA-SL8001	SDP-04BMMA-SL8001	SDP-05BMMA-SL8001
	Screw Type	-	MSDP-04BMMB-S ⑧ 7001	-

⑧ Right Angle (R) or Straight (L)

▷ M12 D-Coded (Plastic) > Field Installable > Female Connector

 Right Angle				
				
Type	Contact Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	Solder Type	SDP-03BFFA-SL8001	SDP-04BFFA-SL8001	SDP-05BFFA-SL8001
	Screw Type	-	MSDP-04BMMB-S ⑧ 7001	-

⑧ Right Angle (R) or Straight (L)

[Notes] Design and specification are subject to change without notice.

M Series Sensor Connector | Accessories

M12 D-Coded (SMT)

Receptacle > Male / Female Connector

IP 65 . 67 . 68

Receptacle | Unmated
Overmolded with Cable | Mated
Field Installable | Mated

▽ M12 D-Coded (SMT) > Receptacle > Male Connector

Type	Mounting Thread	4A/250V
Without Strain Relief	SMT Type	MSDS-04PMMT-EE8001

▽ M12 D-Coded (SMT) > Receptacle > Female Connector

Type	Mounting Thread	4A/250V
Without Strain Relief	SMT Type	MSDS-04PFFT-EE8001

Receptacle > Male / Female Connector (Housing) |
Overmolded with Cable > Male / Female Connector (Housing)

▽ M12 I Style (Metal) > Receptacle > Male Connector (Housing)

PCB (180°) / Front Fastened	
Solder (180°) / Rear Fastened	
Backshell: Hexagonal	Male+Female Contact
Type	4A/60V
PCB Pin (180°)	M12I-05PMIP-SF8001 M12I-05PMIP-SF8002
Solder Pin (180°)	12-05PMIS-S ⑧ 8001 12-05PMIS-S ⑧ 8002

⑧ Front Fastened (F) or Rear Fastened (H)

▽ M12 I Style (Metal) > Receptacle > Female Connector (Housing)

PCB (180°) / Front Fastened	
Solder (180°) / Rear Fastened	
Backshell: Hexagonal	Male+Female Contact
Type	4A/60V
PCB Pin (180°)	M12I-05PFIP-SF8001 M12I-05PFIP-SF8002
Solder Pin (180°)	12-05PFIS-S ⑧ 8001 12-05PFIS-S ⑧ 8002

⑧ Front Fastened (F) or Rear Fastened (H)

▽ M12 I Style (Metal) > Overmolded with Cable > Male Connector (Housing)

Right Angle	Male+Female Contact
Straight	Male+Female Contact
Type	4A/60V
With Strain Relief	M12I-05AMIM-S ⑧ 8XXX*
Without Strain Relief	M12I-05BMIM-S ⑧ 8XXX*

⑧ Right Angle (R) or Straight (L)

* XXX: Choose the cable type and length

- PVC: 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU: 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)
- PVC(UL2517 Black): 1M (D01) / 2M (D02) / 5M (D05) / 10M (D10)

▽ M12 I Style (Metal) > Overmolded with Cable > Female Connector

Right Angle	Male+Female Contact
Straight	Male+Female Contact
Type	4A/60V
With Strain Relief	M12I-05AFIM-S ⑧ 7XXX*
Without Strain Relief	M12I-05BFIM-S ⑧ 8XXX*

⑧ Right Angle (R) or Straight (L)

* XXX: Choose the cable type and length

- PVC: 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU: 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)
- PVC(UL2517 Black): 1M (D01) / 2M (D02) / 5M (D05) / 10M (D10)

M Series Sensor Connector | Find Our Standard Products

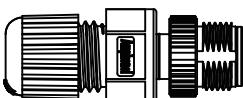
M12 I Style (Metal) | M12 I Style (Plastic)

Field Installable > Male / Female Connector (Housing) |
Overmolded with Cable > Male / Female Connector (Housing)

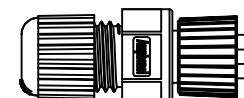
IP 65 . 67 . 68

Receptacle | Unmated
Overmolded with Cable | Mated
Field Installable | Mated

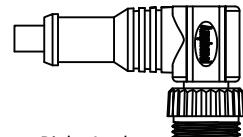
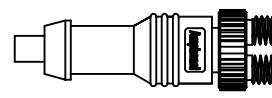
▽ M12 I Style (Metal) > Field Installable > Male Connector (Housing)

	
Straight	Male+Female Contact
Type	4A/60V
Without Strain Relief	M12I-05BMIA-SL8001

▽ M12 I Style (Metal) > Field Installable > Female Connector (Housing)

	
Straight	Male+Female Contact
Type	4A/60V
Without Strain Relief	M12I-05BFIA-SL8001

▽ M12 I Style (Plastic) > Overmolded with Cable > Male Connector (Housing)

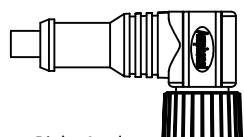
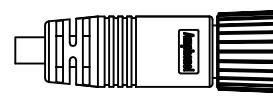
	
	
Straight	Male+Female Contact
Type	4A/250V
Without Strain Relief	MSIP-05BMIM-S⑧8XXX*

⑧ Right Angle (R) or Straight (L)

* XXX: Choose the cable type and length

- PVC: 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU: 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)
- PVC(UL2517 Black): 1M (D01) / 2M (D02) / 5M (D05) / 10M (D10)

▽ M12 I Style (Plastic) > Overmolded with Cable > Female Connector (Housing)

	
	
Straight	Male+Female Contact
Type	4A/60V
Without Strain Relief	MSIP-05BFIM-S⑧8XXX*

⑧ Right Angle (R) or Straight (L)

* XXX: Choose the cable type and length

- PVC: 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU: 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)
- PVC(UL2517 Black): 1M (D01) / 2M (D02) / 5M (D05) / 10M (D10)

[Notes] Design and specification are subject to change without notice.

M12 S-Coded (Metal Nut)

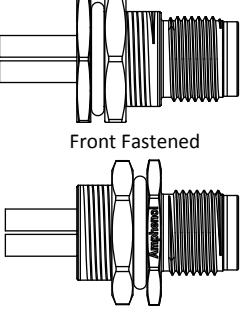
Receptacle with Wire Harness > Male / Female Connector I

Field Installable > Male / Female Connector

▽ M12 S-Coded (Metal Nut)

> Receptacle with Wire Harness

> Male Connector



Front Fastened
Rear Fastened

Backshell: Hexagonal

Wire Length (UL 1015)*	Mounting Thread	
150mm	PG9	M12S-04PMMS-S 8B15
	M16.0	M12S-04PMMS-S 8C15
300mm	PG9	M12S-04PMMS-S 8B30
	M16.0	M12S-04PMMS-S 8C30
500mm	PG9	M12S-04PMMS-S 8B50
	M16.0	M12S-04PMMS-S 8C50
1000mm	PG9	M12S-04PMMS-S 8BA0
	M16.0	M12S-04PMMS-S 8CA0
1500mm	PG9	M12S-04PMMS-S 8BA5
	M16.0	M12S-04PMMS-S 8CA5

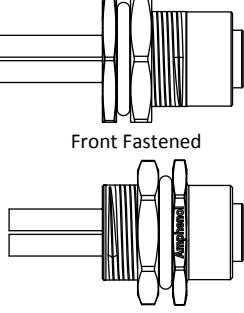
⑧ Front Fastened (F) or Rear Fastened (H)

* Other wire types are available upon request.

▽ M12 S-Coded (Metal Nut)

> Receptacle with Wire Harness

> Female Connector



Front Fastened
Rear Fastened

Backshell: Hexagonal

Wire Length (UL 1015)*	Mounting Thread	
150mm	PG9	M12S-04PFFS-S 8B15
	M16.0	M12S-04PFFS-S 8C15
300mm	PG9	M12S-04PFFS-S 8B30
	M16.0	M12S-04PFFS-S 8C30
500mm	PG9	M12S-04PFFS-S 8B50
	M16.0	M12S-04PFFS-S 8C50
1000mm	PG9	M12S-04PFFS-S 8BA0
	M16.0	M12S-04PFFS-S 8CA0
1500mm	PG9	M12S-04PFFS-S 8BA5
	M16.0	M12S-04PFFS-S 8CA5

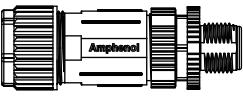
⑧ Front Fastened (F) or Rear Fastened (H)

* Other wire types are available upon request.

▽ M12 S-Coded (Metal Nut)

> Field Installable

> Male Connector



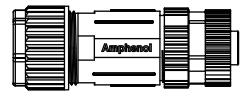
Straight

Type	Contact Type	
Without Strain Relief	Screw Type	M12S-04BMMB-SL7002

▽ M12 S-Coded (Metal Nut)

> Field Installable

> Female Connector



Straight

Type	Contact Type	
Without Strain Relief	Screw Type	M12S-04BFFB-SL7002

M Series Sensor Connector | Find Our Standard Products

M12 S-Coded (Plastic) | M12 T-Coded (Metal Nut)

Field Installable > Male / Female Connector |

Receptacle with Wire Harness > Male / Female Connector

IP 65 . 67 . 68

Receptacle | Unmated

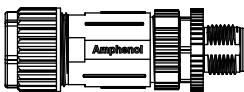
Overmolded with Cable | Mated

Field Installable | Mated

▽ M12 S-Coded (Plastic)

> Field Installable

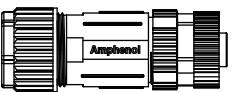
> Male Connector

	
Straight	
Type	Contact Type
Without Strain Relief	12A/630V
Screw Type	MSSP-04BMMB-SL7002

▽ M12 S-Coded (Plastic)

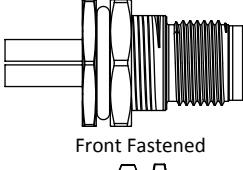
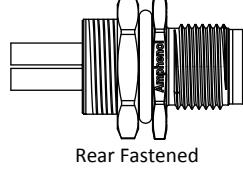
> Field Installable

> Female Connector

	
Straight	
Type	Contact Type
Without Strain Relief	12A/630V
Screw Type	MSSP-04BMMB-SL7002

▽ M12 T-Coded (Metal Nut)

> Receptacle with Wire Harness
> Male Connector

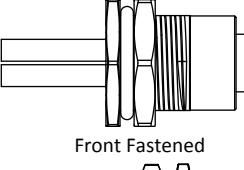
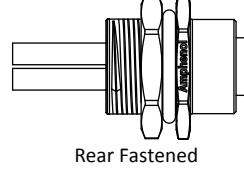
	
Front Fastened	
	
Rear Fastened	
Backshell: Hexagonal	
Wire Length (UL 1015)*	Mounting Thread
150mm	PG9
	M12T-04PMMS-S⑧8B15
300mm	PG9
	M12T-04PMMS-S⑧8C15
	M16.0
	M12T-04PMMS-S⑧8C30
500mm	PG9
	M12T-04PMMS-S⑧8B50
	M16.0
	M12T-04PMMS-S⑧8C50
1000mm	PG9
	M12T-04PMMS-S⑧8BA0
	M16.0
	M12T-04PMMS-S⑧8CA0
1500mm	PG9
	M12T-04PMMS-S⑧8BA5
	M16.0
	M12T-04PMMS-S⑧8CA5

⑧ Front Fastened (F) or Rear Fastened (H)

* Other wire types are available upon request.

▽ M12 T-Coded (Metal Nut)

> Receptacle with Wire Harness
> Female Connector

	
Front Fastened	
	
Rear Fastened	
Backshell: Hexagonal	
Wire Length (UL 1015)*	Mounting Thread
150mm	PG9
	M12T-04PFFS-S⑧8B15
300mm	PG9
	M12T-04PFFS-S⑧8C15
	M16.0
	M12T-04PFFS-S⑧8C30
500mm	PG9
	M12T-04PFFS-S⑧8B50
	M16.0
	M12T-04PFFS-S⑧8C50
1000mm	PG9
	M12T-04PFFS-S⑧8BA0
	M16.0
	M12T-04PFFS-S⑧8CA0
1500mm	PG9
	M12T-04PFFS-S⑧8BA5
	M16.0
	M12T-04PFFS-S⑧8CA5

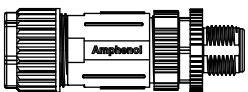
⑧ Front Fastened (F) or Rear Fastened (H)

* Other wire types are available upon request.

[Notes] Design and specification are subject to change without notice.

↳ **M12 T-Coded (Metal Nut)**

- > Field Installable
- > Male Connector

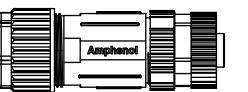



Straight

Type	Contact Type	12A/630V
Without Strain Relief	Screw Type	M12T-04BMMB-SL7002

↳ **M12 T-Coded (Metal Nut)**

- > Field Installable
- > Female Connector

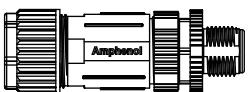



Straight

Type	Contact Type	12A/630V
Without Strain Relief	Screw Type	M12T-04BFFB-SL7002

↳ **M12 T-Coded (Plastic)**

- > Field Installable
- > Male Connector

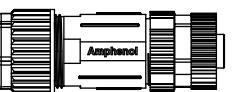



Straight

Type	Contact Type	12A/630V
Without Strain Relief	Screw Type	MSTP-04BMMB-SL7002

↳ **M12 T-Coded (Plastic)**

- > Field Installable
- > Female Connector

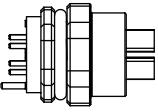



Straight

Type	Contact Type	12A/630V
Without Strain Relief	Screw Type	MSTP-04BFFB-SL7002

↳ **M12 X-Coded (Shielded)**

- > Receptacle
- > Female Connector

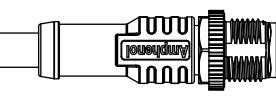



Front Fastened

Type	Mounting Thread	0.5A/48V
PCB Pin (180°)	M12	MSXS-08PFFP-SF7001

↳ **M12 X-Coded (Shielded)**

- > Overmolded with Cable
- > Male Connector




Straight

Type	0.5A/48V
Without Strain Relief	MSXS-08BMMB-SL8XXX*
Double ended cable	MSXS8ML-SXSMIL-SGXXXX**

* XXX: Choose the cable length:

1M (X01) / 2M (X02) / 5M (X05) / 10M (X10)

** XXXX: Choose the cable length

1M (G010) / 2M (G020) / 5M (G050) / 10M (G100)

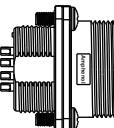
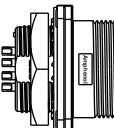
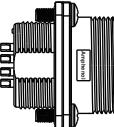
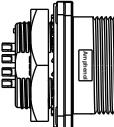
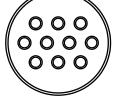
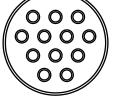
Heavy Duty Shielded Connector

Receptacle > Male Connector

IP 65 . 67 . 68

Receptacle I Unmated
Overmolded with Cable I Mated
Field Installable I Mated

↳ Heavy Duty Shielded Connector > Receptacle > Male Connector

  Front Fastened Rear Fastened						
Backshell: Square Mating style: Screw Thread Fastened Screw: M3*4 pics Mounting Thread: M20	Current Rating & Voltage	Contact Type	Salt Spray Test			
5A/250V		Solder Pin / Female	48H	-	-	-
			500H	-	-	-
10A/250V		Solder Pin / Female	48H	-	LB20-04PMFS-S⑧8001	LB20-05PMFS-S⑧8001
			500H	-	HB20-04PMFS-S⑧8001	HB20-05PMFS-S⑧8001
20A/300V		Solder Pin / Female	48H	LC20-02PMFS-S⑧8001	LC20-03PMFS-S⑧8001	-
			500H	HC20-02PMFS-S⑧8001	HC20-03PMFS-S⑧8001	-
  Front Fastened Rear Fastened						
Backshell: Square Mating style: Screw Thread Fastened Screw: M3*4 pics Mounting Thread: M20	Current Rating & Voltage	Contact Type	Salt Spray Test			
5A/250V		Solder Pin / Female	48H	-	LD20-10PMFS-S⑧8001	LD20-12PMFS-S⑧8001
			500H	-	HD20-10PMFS-S⑧8001	HD20-12PMFS-S⑧8001
10A/250V		Solder Pin / Female	48H	LB20-07PMFS-S⑧8001	-	-
			500H	HB20-07PMFS-S⑧8001	-	-
20A/300V		Solder Pin / Female	48H	-	-	-
			500H	-	-	-

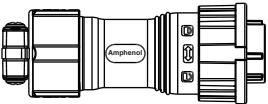
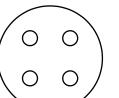
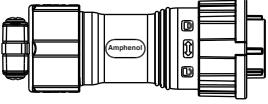
⑧ Front Fastened (W) or Rear Fastened (N)

[Notes] Design and specification are subject to change without notice.

Heavy Duty Shielded Connector

Field Installable > Female Connector (Housing)

↖ Heavy Duty Shielded Connector > Field Installable > Female Connector (Housing)

				
Without Strain Relief				
Current Rating & Voltage	Contact Type	Salt Spray Test		
5A/250V	Solder Type / Male	48H 500H	- -	- -
10A/250V	Solder Type / Male	48H 500H	- -	LB20-04BFMA-SL8001 HB20-04BFMA-SL8001
20A/300V	Solder Type / Male	48H 500H	LC20-02BFMA-SL8001 HC20-02BFMA-SL8001	LC20-03BFMA-SL8001 HC20-03BFMA-SL8001
 				
Without Strain Relief				
Current Rating & Voltage	Contact Type	Salt Spray Test		
5A/250V	Solder Type / Male	48H 500H	- -	LD20-10BFMA-SL8001 HD20-10BFMA-SL8001
10A/250V	Solder Type / Male	48H 500H	LB20-07BFMA-SL8001 HB20-07BFMA-SL8001	LD20-12BFMA-SL8001 HD20-12BFMA-SL8001
20A/300V	Solder Type / Male	48H 500H	- -	- -

M23 (Shielded)

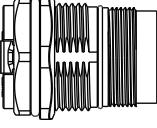
Receptacle (Field Installable Type) > Male Connector (Housing) |
 Field Installable > Female Connector (Houseing)

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Receptacle I Unmated
 Overmolded with Cable I Mated
 Field Installable I Mated

▽ M23 (Shielded)

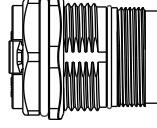
- > Receptacle (Field Installable Type)
- > Male Connector (Housing)




Front Fastened	
Backshell: Hexagonal	
Type	Contact Gender
LJ23-06PMMC-SF7001	28A/100V
Crimp Pin	Male
LJ23-06PMMC-SF7002	LJ23-06PMFC-SF7001

▽ M23 (Shielded)

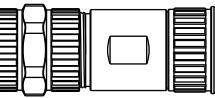
- > Receptacle (Field Installable Type)
- > Male Connector (Housing)




Front Fastened	
Backshell: Hexagonal	
Type	Contact Gender
LJ23-06PMFC-SF7001	28A/100V
Crimp Pin	Female
LJ23-06PMFC-SF7002	LJ23-06PMFC-SF7002

▽ M23 (Shielded)

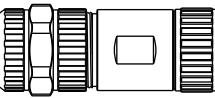
- > Field Installable
- > Female Connector (Houseing)




Front Fastened		
Without Strain Relief		
Type	Contact Type	Contact Gender
Without Strain Relief	Crimp Pin	Male
LJ23-06DFMC-SL7001	LJ23-06DFMC-SL7001	12A/630V
LJ23-06DFMC-SL7002	LJ23-06DFMC-SL7002	LJ23-06DFMC-SL7002

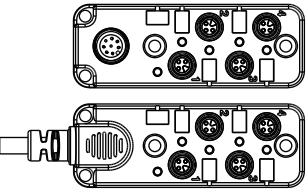
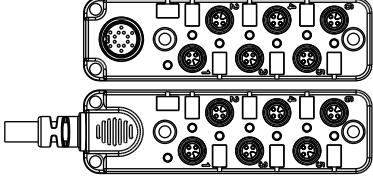
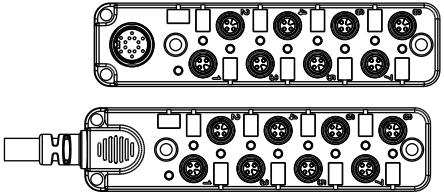
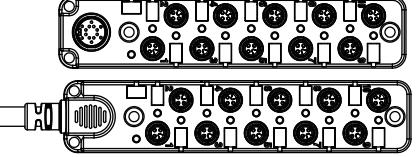
▽ M23 (Shielded)

- > Field Installable
- > Female Connector (Houseing)

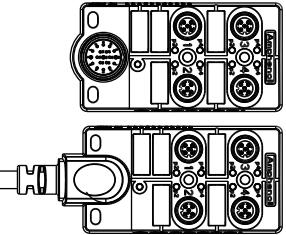
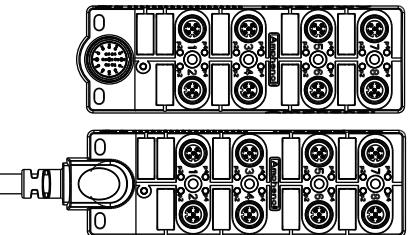



Front Fastened		
Without Strain Relief		
Type	Contact Type	Contact Gender
Without Strain Relief	Crimp Pin	Female
LJ23-06DFFC-SL7001	LJ23-06DFFC-SL7001	12A/630V
LJ23-06DFFC-SL7002	LJ23-06DFFC-SL7002	LJ23-06DFFC-SL7002

▽ M8 Distribution Box > M12 / M16 Homerun

		
No of Port Type	4 Port	6 Port
Without cable	DB8-3A4M12-SPS7001	DB8-3A6M16-SPS7001
With cable	DB8-3A4CAB-SPS7BXX*	DB8-3A6CAB-SPS7BXX*
		
No of Port Type	8 Port	10 Port
Without cable	DB8-3A8M16-SPS7001	DB8-3A10M16-SPS7001
With cable	DB8-3A8CAB-SPS7BXX*	DB8-3A10CAB-SPS7BXX*

▽ M12 Distribution Box > M23 Homerun

		
No of Port Type	4 Port	8 Port
Without cable	DB12-5A4M23-DPS7001	DB12-5A8M23-DPS7001
With cable	DB12-5A4CAB-DPS7BXX*	DB8-3A6CAB-SPS7BXX*

Accessories

Waterproof Cap

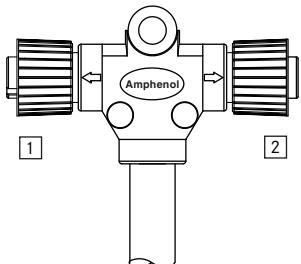
 Customized – Upon Request					
Size	Mating Pair	Mating Style	Mating Pair (Gender)	P/N	
M8	Overmolded with Cable	Screw Thread	Female	CAP-WBBFSCC1	
	Receptacle and Overmolded with Cable	Screw Thread	Male	CAP-WBBMSMA1	
			Female	CAP-WBBSMA1	
M10.5	Receptacle and Overmolded with Cable	Screw Thread	Male	CAP-WBCMSMA2	
M12	Receptacle	Screw Thread	Male	CAP-WBDMSPB 7	
	Receptacle and Overmolded with Cable		Male	CAP-WBDMSMA 7	
			Female	CAP-WBDFSMA 7	
M12 (Plastic)	A/B/D/S/ T/X Code I Style	Receptacle and Overmolded with Cable	Male	CAP-WBDMMSMA 7	
			Female	CAP-WBDFMSMA 7	
M22	Receptacle	Screw Thread	Male	CAP-WHBMSPD1	
M23	Receptacle and Overmolded with Cable	Screw Thread	Male	CAP-WBHMMSMA1	

7 Choose plastic (1) or metal (2)

【Note】 Design and specification are subject to change without notice.

↓ M12 > T-Cable

Customized – Upon Request



Choose Connector / Contacts Gender:

- 6** For connector 1
- 7** For connector 2

A/B/D Code

M: Male + Male

F: Female + Female

I Style

K: Connector (Male) + Contact (Male+Female)

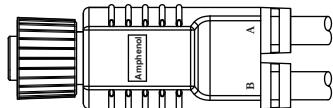
Z: Connector (Female) + Contact (Male+Female)

*XX: Choose the cable length: 01-99 m / PVC UL2464 Cable

Type	Current Rating	Contacts 2	Mating Style	Connector 1 (Male Connector / Male Contacts)	Connector 1 (Female Connector / Female Contacts)	More options
				Connector 2 (Male Connector / Male Contacts)	Connector 2 (Female Connector / Female Contacts)	
M12	A Code	4A	Screw Thread	SS- 2 3 00-MMO-TSAXX*	SS- 2 3 00-FF0-TSAXX*	SS- 2 3 00- 6 7 0-TSAXX*
		2A		SS-080800-MMO-TSAXX*	SS-080800-FF0-TSAXX*	SS-080800- 6 7 0-TSAXX*
	B Code	4A		SB- 2 3 00-MMO-TSAXX*	SB- 2 3 00-FF0-TSAXX*	SB- 2 3 00- 6 7 0-TSAXX*
	D Code	4A		SD- 2 3 00-MMO-TSAXX*	SD- 2 3 00-FF0-TSAXX*	SD- 2 3 00- 6 7 0-TSAXX*
	I Style	4A		SI-050500-KK0-TSAXX*	SI-050500-ZZ0-TSAXX*	SI-050500- 6 7 0-TSAXX*
M12 (Plastic)	A Code	4A	Screw Thread	PS- 2 3 00-MMO-TSAXX*	PS- 2 3 00-FF0-TSAXX*	PS- 2 3 00- 6 7 0-TSAXX*
		2A		PS-080800-MMO-TSAXX*	PS-080800-FF0-TSAXX*	PS-080800- 6 7 0-TSAXX*
	B Code	4A		PB- 2 3 00-MMO-TSAXX*	PB- 2 3 00-FF0-TSAXX*	PB- 2 3 00- 6 7 0-TSAXX*
	D Code	4A		PD- 2 3 00-MMO-TSAXX*	PD- 2 3 00-FF0-TSAXX*	PD- 2 3 00- 6 7 0-TSAXX*
	I Style	4A		PI-050500-KK0-TSAXX*	PI-050500-ZZ0-TSAXX*	PI-050500- 6 7 0-TSAXX*

↓ M12 > Y-Cable

 Customized – Upon Request

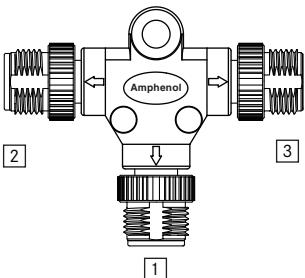


*XX: Choose the cable length:01-99 m / PVC UL2464 Cable

Type		Current Rating	Contacts ②	Mating Style	Connector (Male Connector / Male Contacts)	Connector (Female Connector / Female Contacts)
M12	A Code	4A	03,04,05	Screw Thread	SS- ② 0000-M00-YSB*	SS- ② 0000-F00-YSB*
		2A	08	Screw Thread	SS-080000-M00-YSB*	SS-080000-F00-YSB*
	B Code	4A	04,05	Screw Thread	SB- ② 0000-M00-YSB*	SB- ② 0000-F00-YSB*
	D Code	4A	04,05	Screw Thread	SD- ② 0000-M00-YSB*	SD- ② 0000-F00-YSB*
	I Style	4A	05	Screw Thread	SI-050000-K00-YSB*	SI-050000-Z00-YSB*

↓ M12 > T-Adaptor

Customized – Upon Request



Choose Connector / Contacts Gender:

⑤ For connector 1

⑥ For connector 2

⑦ For connector 3

A/B/D Code

M: Male + Male

F: Female + Female

I Style

K: Connector (Male) + Contact (Male+Female)

Z: Connector (Female) + Contact (Male+Female)

Type		Current Rating	Contacts ②	Mating Style	Connector 1 (Male Connector / Male Contacts)	Connector 1 (Female Connector / Female Contacts)	More options
					Connector 2 (Male Connector / Male Contacts)	Connector 2 (Female Connector / Female Contacts)	
					Connector 3 (Male Connector / Male Contacts)	Connector 3 (Female Connector / Female Contacts)	
M12	A Code	4A	03,04,05	Screw Thread	SS- ② ② ② -MMM-TS001	SS- ② ② ② -FFF-TS001	SS- ② ② ② - ⑤ ⑥ ⑦ -TS001
		2A	08	Screw Thread	SS-080808-MMM-TS001	SS-080808-FFF-TS001	SS-080808- ⑤ ⑥ ⑦ -TS001
	B Code	4A	04,05	Screw Thread	SB- ② ② ② -MMM-TS001	SB- ② ② ② -FFF-TS001	SB- ② ② ② - ⑤ ⑥ ⑦ -TS001
	D Code	4A	04,05	Screw Thread	SD- ② ② ② -MMM-TS001	SD- ② ② ② -FFF-TS001	SD- ② ② ② - ⑤ ⑥ ⑦ -TS001
	I Style	4A	05	Screw Thread	SI-050505-KKK-TS001	SI-050505-ZZZ-TS001	SI-050505- ⑤ ⑥ ⑦ -TS001
M12 (Plastic)	A Code	4A	03,04,05	Screw Thread	PS- ② ② ② -MMM-TS001	PS- ② ② ② -FFF-TS001	PS- ② ② ② - ⑤ ⑥ ⑦ -TS001
		2A	08	Screw Thread	PS-080808-MMM-TS001	PS-080808-FFF-TS001	PS-080808- ⑤ ⑥ ⑦ -TS001
	B Code	4A	04,05	Screw Thread	PB- ② ② ② -MMM-TS001	PB- ② ② ② -FFF-TS001	PB- ② ② ② - ⑤ ⑥ ⑦ -TS001
	D Code	4A	04,05	Screw Thread	PD- ② ② ② -MMM-TS001	PD- ② ② ② -FFF-TS001	PD- ② ② ② - ⑤ ⑥ ⑦ -TS001
	I Style	4A	05	Screw Thread	PI-050505-KKK-TS001	PI-050505-ZZZ-TS001	PI-050505- ⑤ ⑥ ⑦ -TS001

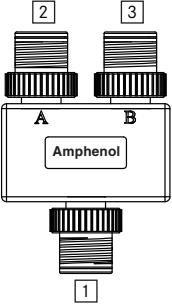
M Series Sensor Connector | Accessories

M12

Y-Adaptor

▽ M12 > Y-Adaptor

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Choose Connector / Contacts Gender:

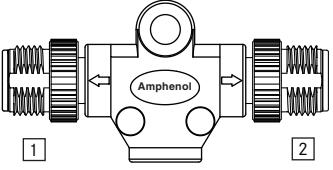
- 5 For connector 1
- 6 For connector 2
- 7 For connector 3

A/B/D Code
M: Male + Male
F: Female + Female
LStyle
K: Connector (Male) + Contact (Male+Female)
Z: Connector (Female) + Contact (Male+Female)

Type	Current Rating	Contacts ②	Mating Style	Connector 1 (Male Connector / Male Contacts)	Connector 1 (Female Connector / Female Contacts)	More options	
				Connector 2 (Male Connector / Male Contacts)	Connector 2 (Female Connector / Female Contacts)		
				Connector 3 (Male Connector / Male Contacts)	Connector 3 (Female Connector / Female Contacts)		
M12	A Code	4A	03,04,05	Screw Thread	SS- 2 2 2 -MMM-YS001	SS- 2 2 2 -FFF-YS001	SS- 2 2 2- 5 6 7 -YS001
		2A	08	Screw Thread	SS-080808-MMM-YS001	SS-080808-FFF-YS001	SS-080808- 5 6 7 -YS001
	B Code	4A	04,05	Screw Thread	SB- 2 2 2 -MMM-YS001	SB- 2 2 2 -FFF-YS001	SB- 2 2 2- 5 6 7 -YS001
	D Code	4A	04,05	Screw Thread	SD- 2 2 2 -MMM-YS001	SD- 2 2 2 -FFF-YS001	SD- 2 2 2- 5 6 7 -YS001
	I Style	4A	05	Screw Thread	SI-050505-KKK-YS001	SI-050505-ZZZ-YS001	SI-050505- 5 6 7 -YS001
M12 (Plastic)	A Code	4A	03,04,05	Screw Thread	PS- 2 2 2 -MMM-YS001	PS- 2 2 2 -FFF-YS001	PS- 2 2 2- 5 6 7 -YS001
		2A	08	Screw Thread	PS-080808-MMM-YS001	PS-080808-FFF-YS001	PS-080808- 5 6 7 -YS001
	B Code	4A	04,05	Screw Thread	PB- 2 2 2 -MMM-YS001	PB- 2 2 2 -FFF-YS001	PB- 2 2 2- 5 6 7 -YS001
	D Code	4A	04,05	Screw Thread	PD- 2 2 2 -MMM-YS001	PD- 2 2 2 -FFF-YS001	PD- 2 2 2- 5 6 7 -YS001
	I Style	4A	05	Screw Thread	PI-050505-KKK-YS001	PI-050505-ZZZ-YS001	PI-050505- 5 6 7 -YS001

↓ M12 > I-Adaptor

Customized – Upon Request



Choose Connector / Contacts Gender:

- 6** For connector 1
- 7** For connector 2

A/B/D Code

M: Male + Male
F: Female + Female
I Style
K: Connector (Male) + Contact (Male+Female)
Z: Connector (Female) + Contact (Male+Female)

Type	Current Rating	Contacts ③	Mating Style	Connector 1 (Male Connector / Male Contacts) Connector 2 (Male Connector / Male Contacts)	Connector 1 (Female Connector / Female Contacts) Connector 2 (Female Connector / Female Contacts)	More options	
M 12	A Code	4A	03,04,05	Screw Thread	SS-00 ③ ③ -0MM-IS001	SS-00 ③ ③ -0FF-IS001	SS-00 ③ ③ -0 6 7 -IS001
		2A	08	Screw Thread	SS-000808-0MM-IS001	SS-000808-0FF-IS001	SS-000808-0 6 7 -IS001
	B Code	4A	04,05	Screw Thread	SB-00 ③ ③ -0MM-IS001	SB-00 ③ ③ -0FF-IS001	SB-00 ③ ③ -0 6 7 -IS001
	D Code	4A	04,05	Screw Thread	SD-00 ③ ③ -0MM-IS001	SD-00 ③ ③ -0FF-IS001	SD-00 ③ ③ -0 6 7 -IS001
	I Style	4A	05	Screw Thread	SI-000505-0KK-IS001	SI-000505-0ZZ-IS001	SI-000505-0KZ-IS001 SI-000505-0ZK-IS001
M 12 (Plastic)	A Code	4A	03,04,05	Screw Thread	PS-00 ③ ③ -0MM-IS001	PS-00 ③ ③ -0FF-IS001	PS-00 ③ ③ -0 6 7 -IS001
		2A	08	Screw Thread	PS-000808-0MM-IS001	PS-000808-0FF-IS001	PS-000808-0 6 7 -IS001
	B Code	4A	04,05	Screw Thread	PB-00 ③ ③ -0MM-IS001	PB-00 ③ ③ -0FF-IS001	PB-00 ③ ③ -0 6 7 -IS001
	D Code	4A	04,05	Screw Thread	PD-00 ③ ③ -0MM-IS001	PD-00 ③ ③ -0FF-IS001	PD-00 ③ ③ -0 6 7 -IS001
	I Style	4A	05	Screw Thread	PI-000505-0KK-IS001	PI-000505-0ZZ-IS001	PI-000505-0KZ-IS001 PI-000505-0ZK-IS001

M12

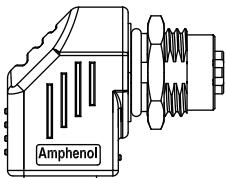
M12 to RJ45 Adaptor | I-Adaptor

IP 65 . 67 . 68

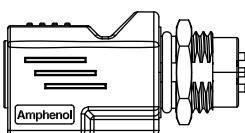
Receptacle I Unmated
Overmolded with Cable I Mated
Field Installable I Mated

↳ M12 > M12 to RJ45 Adaptor

■ Customized – Upon Request



Right Angle

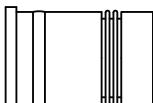


Straight

Connector 1					Connector 2		P / N
Type	Contacts	Gender (Housing / Contact)	Connector Body	Mating Style	Type	Gender	
M12 D Code	04	FF	Right Angle or Straight	Screw Thread	RJ 45 Shielded	Jack	RJS-12D04FF-RS8001 RJS-12D04FF-LS8001
		MM					RJS-12D04FM-RS8001 RJS-12D04FM-LS8001

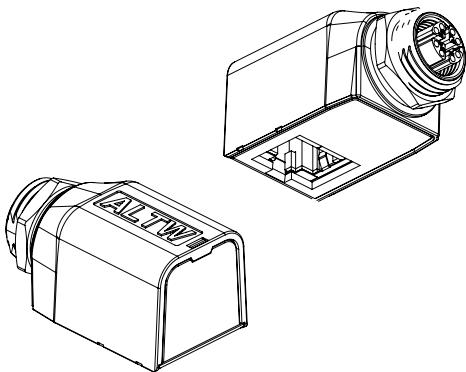
↙ M12 > Insert

■ Customized – Upon Request

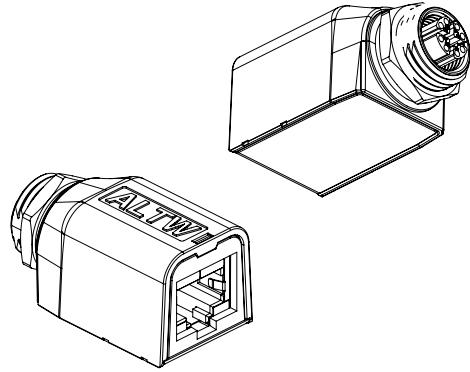


Type ②	Contacts ③	P/N
M 12 A Code(A)	004,005,008	
M 12 B Code(B)	004,005	
M 12 D Code(D)	004,005	
M 12 I Style(I)	0'05	SLD- ② ③ 001

↓ M12 > M12 to RJ45 Adaptor



Angled



Straight

Connector 2					Connector 2		P/N
Type	Contacts	Gender (Housing/Contact)	Connector Body	Mating Style	Type	Gender	
M12 X Code	8	FF	Right Angled or Straight	Screw Thread	RJ 45 Shielded	Jack	Straight: RJS-12X08FF-LS7001 Angled: RJS-12X08FF-RS7001