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IP 65 . 67 . 68

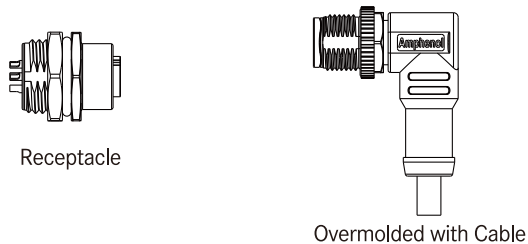
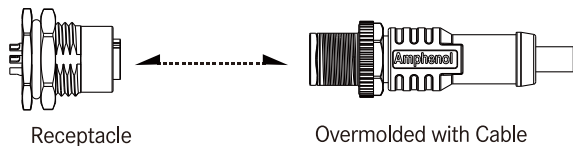
Receptacle | Unmated
Overmolded with Cable | Mated
Field Installable | Mated

M Series Sensor Connector

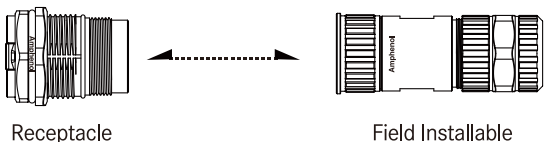
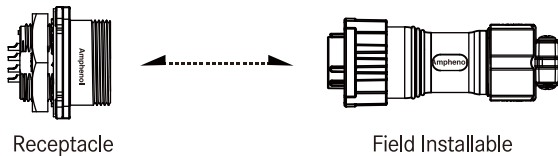
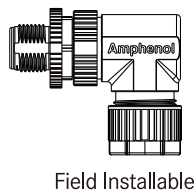
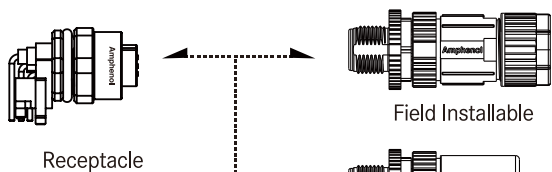


Range Overview

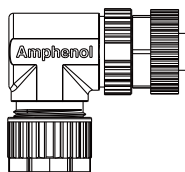
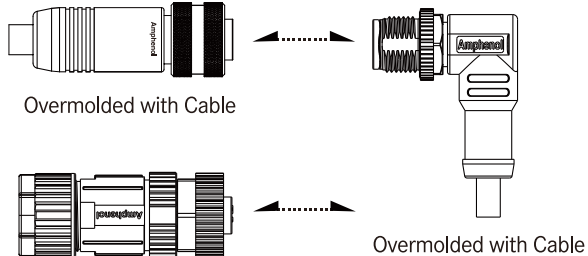
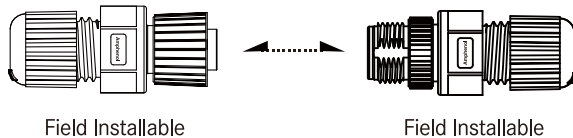
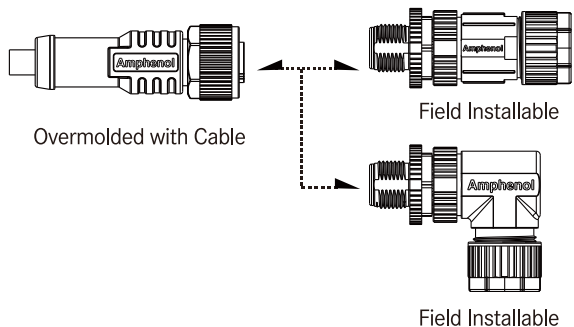
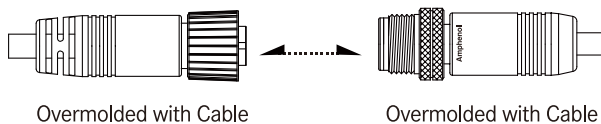
Receptacle to Overmolded with Cable



Receptacle to Field Installable

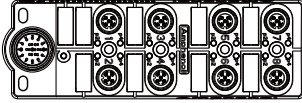


In Line

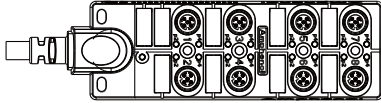


Range Overview

Passive Distribution Box

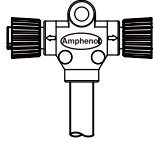


With Homerun Connector



With Cable

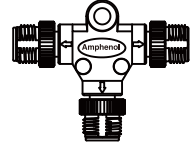
Accessories



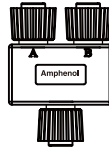
T Cable



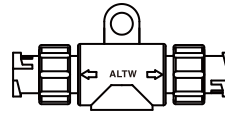
Y Cable



T Adaptor



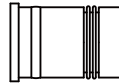
Y Adaptor



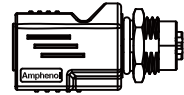
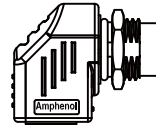
I Adaptor



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	≤ 10mΩ
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 * Higer 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 Ally, 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

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

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

Ordering Information | M12

	1	2	3	4	5	6	7	8	9	10	
Specification / Size											
<u>> A-Coded</u>											
(M12A) M12 A-Coded	<u>> S-Coded</u>		(M12S) M12 S-Coded								
(MSAP) M12 A-Coded, Plastic	(MSSP) M12 S-Coded, Plastic										
(MSAS) M12 A-Coded, Shielded	<u>> T-Coded</u>		(M12T) M12 T-Coded								
<u>> B-Coded</u>											
(M12B) M12 B-Coded	(MSTP) M12 T-Coded, Plastic										
(MSBP) M12 B-Coded, Plastic	<u>> X-Coded</u>		(MSXS) M12 X-Coded, Shielded								
(MSBS) M12 B-Coded, Shielded	<u>> I-Style</u>		(M12I) M12 I-Style								
<u>> D-Coded</u>											
(M12D) M12 D-Coded	(MSIP) M12 I-Style, Plast										
(MSDP) M12 D-Coded, Plastic											
(MSDS) M12 D-Coded, Shielded											
Number of Contacts											
02, 03, ..., 14...Contacts											
e.g. (02) = 2 Contacts											
Connector Body (Style)											
<u>> For Receptacle</u>											
(P) Panel	<u>> For Overmolded with Cable</u>		<u>> For Field installable</u>								
	(A) With Strain Relief		(A) With Strain Relief								
	(B) Without Strain Relief		(B) Without Strain Relief								
Connector (Housing) Gender											
(M) Male Connector	(F) Female Connector										
Contact Gender											
(M) Male	(F) Female		(I) I style (Male+Female)								
Assemble Style											
<u>> For Receptacle</u>											
(S) Solder Type	<u>> For Field Installable</u>		<u>> For Overmolded with Cable</u>								
(P) 180° PCB Type	(A) Solder Type (10&12 pins are available as standard product. Other pins are available upon request)		(M) Overmolded with Cable								
(R) 90° PCB Type	(B) Screw Type										
(C) Crimp Type	(C) Crimp Type										
	(D) IDC Type										
Mating Style											
(S) Screw Thread	(Q) Quick										
Backshell											
<u>> For Receptacle</u>											
(C) Circular, Rear Fastened	<u>> For Overmolded with Cable</u>		<u>> For Field Installable</u>								
(F) Hexagonal, Front Fastened	(L) Straight		(L) Straight								
(H) Hexagonal, Rear Fastened	(R) Right Angle		(R) Right Angle								
(N) Square, Rear Fastened with Nut											
(W) Square, Front Fastened with Screw											
Waterproof Rating											
(5) IP65 (Quick Type)											
(7) IP 67											
(8) IP 68											
Cable information											
<u>> For Receptacle</u>											
(001) PG9	<u>> For Receptacle with Wire Harness</u>		<u>> For Overmolded with Cable</u>				<u>> For Field Installable</u>				
(002) M16	(□)+(■) : Wire Type + Wire Length		(□)+(■) : Cable Type + Cable Length				(001), (002), (003).....				
(003) M12	e.g. (B15) = UL1061 + 150mm		e.g. (A01) = PVC UL2517 Yellow Cable + 1M				For Different Versions				
	<u>(□) : Wire Type</u>		<u>(■) : Cable Length</u>		<u>(□) : Cable Type</u>		<u>(■) : Cable Length</u>				
	(B) UL1061 (For M12-PG9)		(15) 150mm		(A) PVC UL2517 Yellow Cable		From 1M to 99M				
	(C) UL1061 (For M12-M16)		(30) 300mm		(B) PU UL20549 Cable		EX. (01) = 1M				
			(50) 500mm		(C) CAN Cable						
			(A0) 1000		(D) PVC UL2517 Black Cable						
			(A5) 1500		(E) CAT5e Cable(2Pair/4Pair)						
					(F) F-PVC UL2095 Black Cable						
					(G) PVC UL 21996, Balck, round cable						
					(H) PVC UL 21996, Balck, oval cable						
					(S) AC 630V Cable						
					(T) DC 60V Cable						
					(X) CAT6 _A Cable						

Ordering Information | M8 SMT

1

2

3

4

5

6

7

8

9

10

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(Matel), IP65(Unmated)

More Information

> [For Receptacle](#)

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

Ordering Information | M12 SMT

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

	1	2	3	4	5	6	7	8	9	10
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

Specification / Size	1	2	3	4	5	6	7	8	9	10
> <u>With M8 Connectors</u> (DB8) M8 Connector	> <u>With M12 Connectors</u> (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 (M12) M12 Connector (M16) M16 Connector	(M23) M23 Connector (TBK) Terminal Block (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) (6) IP 66	(7) IP 67 (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

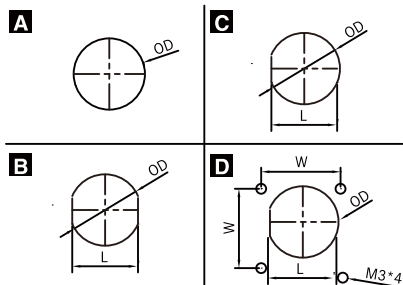
: Cable Length

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

Physical Dimension

Receptacle

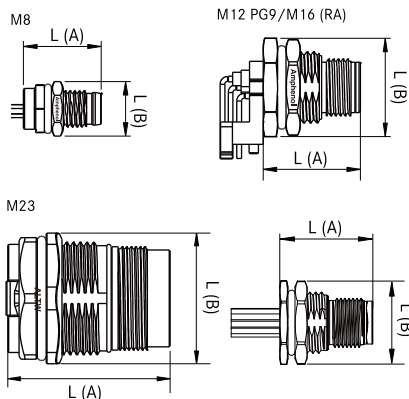
Panel Cut-Out



Size		Dimension			Type	L / W	OD
Size	Thread Description	Female			Male		
M105	M10.5 X 0.75	-	-	-	A	-	10.9
M8	M8 X 1.0	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
		-	-	-	D	19.2 / 23.0	20.2
M23	M23 X 1.0	-	-	-	C	24.4	25.1

*HDSC: Heavy Duty Shielded Connector

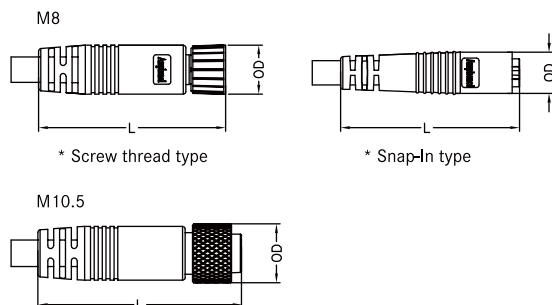
Connector Dimension



Series	Conn. Gender	Receptacle				Panel Thickness		
		Female		Male		Front Fastened	Rear Fastened	
		L (A)	L (B)	L (A)	L (B)			
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	Straight	20.0	20.6	23.0	20.6	4.5mm Max. 4.0mm Max.(Plastic)	4.5mm Max.
	Right Angle	20.0	20.8	20.5	20.8			
	M12*1.0	Right Angle	16.9	15.0	16.2	15.0	3.0mm Max.	
HDSC*	Straight	-	-	23.5	29.0	9.0mm Min.	5.0 mm Max.	
M23	Straight	-	-	36.0	29.0	6.0 mm Max.	-	

*HDSC: Heavy Duty Shielded Connector

Overmolded with Cable



Size		Dimension			
Size	Type	L		OD	
M8	Screw Thread M8 X 1.0	Female	Male	Female	Male
M8	Snap-In M8 X 1.0	38.1	42.7	10.1	10.5
M8	Screw Thread 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.

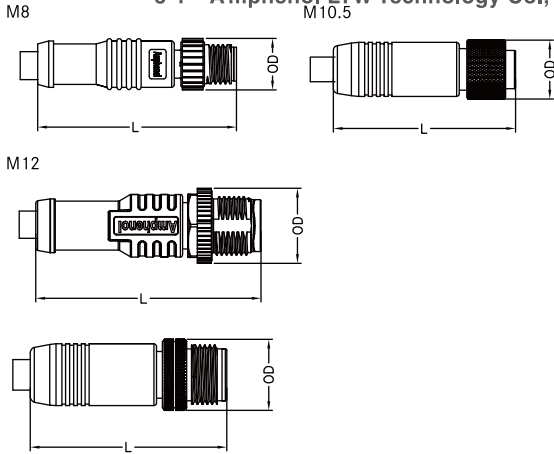
M Series Sensor Connector | Physical Dimension

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

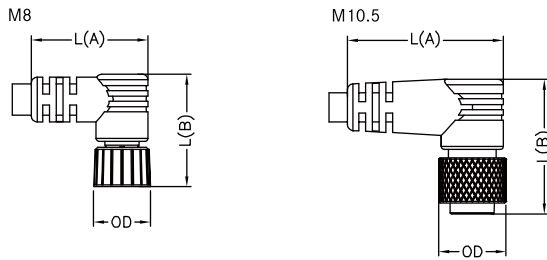
IP 65 . 67 . 68

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

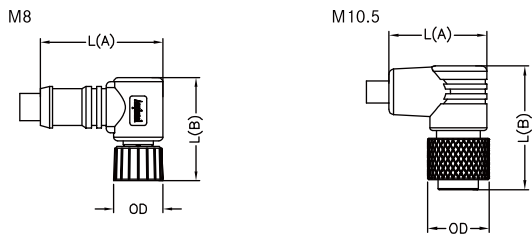
3-1 Amphenol LTW Technology Co., Ltd.



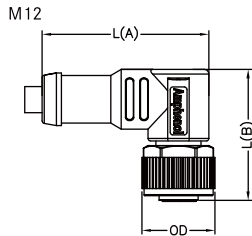
Size		Dimension		L		OD	
Size	Type	Female	Male	Female	Male	Female	Male
M8	Screw Thread M8 X 1.0	36.0	40.5	10.1	10.5		
M10.5	Screw Thread M10.5 X 0.75	37.2	-	12.0	-		
M12	Screw Thread M12.0 X 1.0	37.2	-	12.0	-		
M12 Shielded	Screw Thread M12.0 X 1.0	39.2	40.1	14.5	14.5		



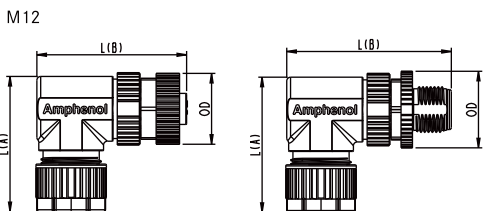
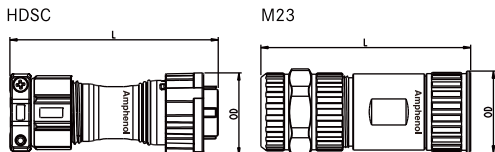
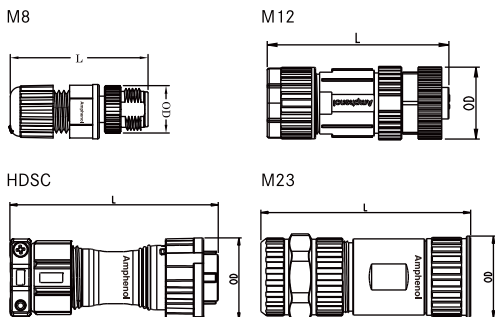
Size		Dimension		L [A]		L [B]		OD	
Size	Thread Description	Female	Male	Female	Male	Female	Male	Female	Male
M8	M8 X 1.0	24.0	-	24.0	-	12.0	-		
M10.5	Screw Thread M10.5 X 0.75	20.7	20.7	20.0	25.5	10.1	10.5		



Size		Dimension		L [A]		L [B]		OD	
Size	Thread Description	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



Dimension		Pin Type	L		OD	
Size	Thread Description		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
M12 Plastic	M12 X 1.0	Solder	61.3	61.3	20.8	20.8
		Screw	47.0	51.0	18.6	20.1
		IDC	47.0	51.0	18.6	20.1
M12 Shielded	M12 X 1.0	Solder	52.0	55.0	18.6	20.1
		Screw	52.0	55.0	18.6	20.1
		IDC	52.0	55.0	18.6	20.1
HDSC*	M22 X 1.0	-	72.5	-	27.7	-
M23	M23 X 1.0	-	73.0	-	28.5	-

*HDSC: Heavy Duty Shielded Connector

Dimension		Pin Type	L [A]		L [B]		OD	
Size	Thread Description		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
M12 Plastic			38.9	38.9	52.3	52.3	20.8	20.8

Dimensions are shown in millimeters

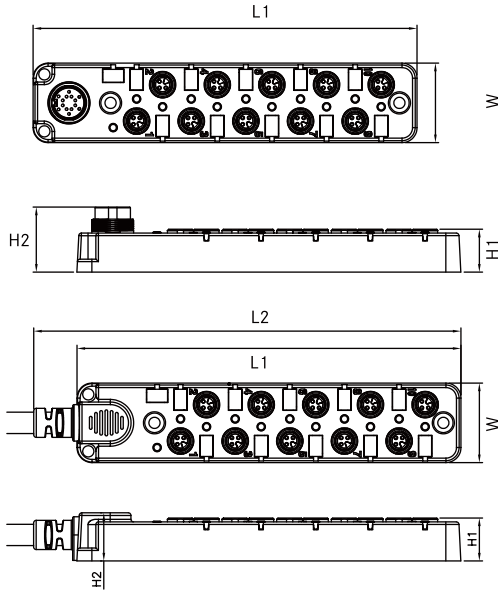
【Note】 Design and specification are subject to change without notice.

IP 65 . 67 . 68

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

Passive Distribution Box

M8

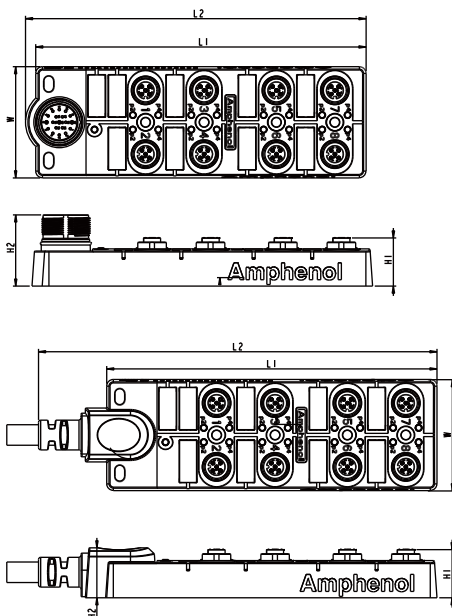


Size	Dimension Thread Description	Pin Type	L		OD	
			Female	Male	Female	Male
M8	M8 X 1.0	Screw In	55.4	59.1	16.7	16.7
		Solder	40.5	41.8	14.5	14.4
		Screw	47.0	51.0	18.6	20.1
M12 Metal Nut	M12 X 1.0	IDC	47.0	51.0	18.6	20.1
		Solder	61.3	61.3	20.8	20.8
		Screw	47.0	51.0	18.6	20.1
M12 Plastic	M12 X 1.0	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	52.0	55.0	18.6	20.1
		Screw	52.0	55.0	18.6	20.1
HDSC*	M22 X 1.0	-	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	52.3
	Without Cable	97.3	102.1	22.9	33.5	52.3
8 Port	With Cable	155.3	187.4	22.9	23.5	52.3
	Without Cable	155.3	160.1	22.9	33.5	52.3
Note		Cable length is available from 01~99m.				

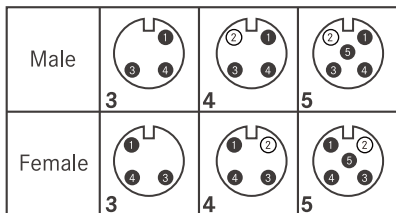
Unit: mm

Contact Configuration

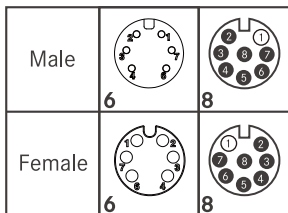
	G8		M8	M10.5	M12 A Code			M12 B Code	M12 D Code	M12 I Code	M12 S Code
	1.5A	3A	3A	2A	1.5A	2A	4A	4A	4A	4A	12A
	MM or FF	MM or FF	MM or FF	MF or FM	MM or FF	MM or FF	MM or FF	MM or FF	MM or FF	MF or FM	MM or FF
2Pin (02)											
		R C F		R C							
3Pin (03)											
		R C F	R C F	R C			R C F	R C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

More to know:

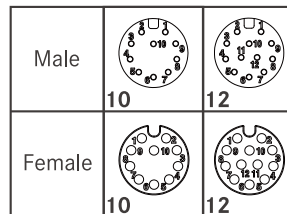
No. of Poles & Contact Configuration (Connection side view)



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 | 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 F			R F				
			R F				
					R F	R F	
			R F				
	R C						
		R F					
		R F					
		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



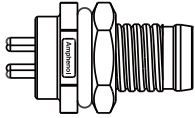
More to know:

A-Code B-Code D-Code I-Style S-Code T-Code X-Code



Product Features

Receptacle



Mating Style 7



Screw Thread (S)

Backshell 8



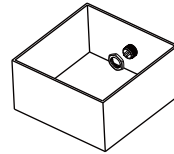
Circular (C)



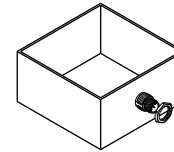
Hexagonal (H)(F)



Square (N)(W)

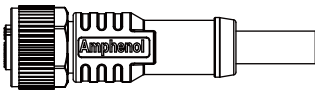


Rear Fastened



Front Fastened (P)

Overmolded with Cable



Mating Style 7

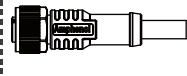


Screw Thread (S)
(For M12)

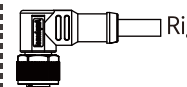


Quick (Q)
(For M8)

Backshell 8

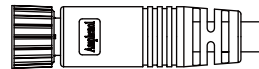


Straight (L)

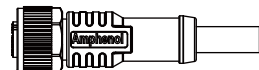


Right Angle (R)

Connector Body (Style) 3

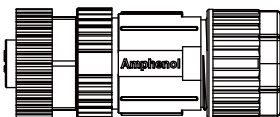


With Strain Relief (A)



Without Strain Relief (B)

Field Installable



Mating Style 7

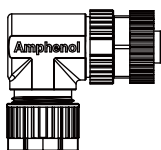


Screw Thread (S)

Backshell 8



Straight (L)



Right Angle (R)

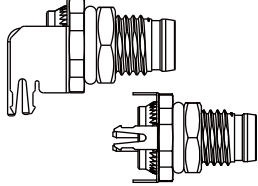
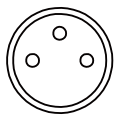
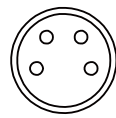
Connector Body (Style) 3



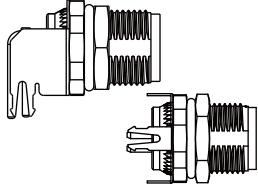
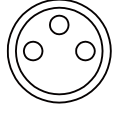
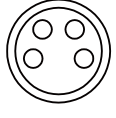
Without Strain Relief (B)

Find Our Standard Products

└ M8 (Shielded) > Receptacle > Male Connector

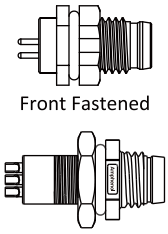
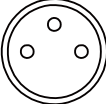
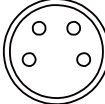
 <p>Front Fastened</p> <p>Backshell: Hexagonal</p>		
	Type	4A/60V
PCB Pin (180°)	M8S-03PMMP-SF8001	M8S-04PMMP-SF8001
PCB Pin (90°)	M8S-03PMMR-SF8001	M8S-04PMMR-SF8001

└ M8 (Shielded) > Receptacle > Female Connector

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

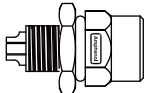
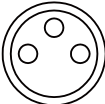

[Note] Design and specification are subject to change without notice.

∟ M8 (Metal Nut) > Receptacle > Male Connector

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

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

∟ M8 (Metal Nut) > Receptacle > Female Connector

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

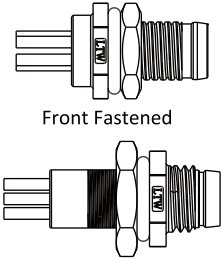
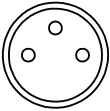
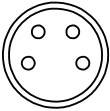
M8 (Metal Nut)

Receptacle with Wires > Male / Female Connector

IP 65 . 67 . 68

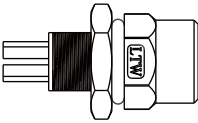
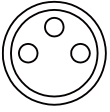

Receptacle | Unmated
Overmolded with Cable | Mated
Field Installable | Mated

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

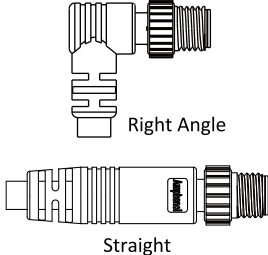
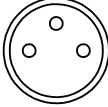
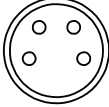
 <p>Front Fastened</p> <p>Rear Fastened</p> <p>Backshell: Hexagonal</p>		
150mm	8-03PMMS-S 8 7A15	8-04PMMS-S 8 7A15
300mm	8-03PMMS-S 8 7A30	8-04PMMS-S 8 7A30
500mm	8-03PMMS-S 8 7A50	8-04PMMS-S 8 7A50
1000mm	8-03PMMS-S 8 7AA0	8-04PMMS-S 8 7AA0
1500mm	8-03PMMS-S 8 7AA5	8-04PMMS-S 8 7AA5

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

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

 <p>Rear Fastened</p> <p>Backshell: Hexagonal</p>		
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**

 <p>Right Angle</p> <p>Straight</p>		
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*

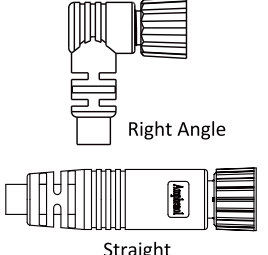
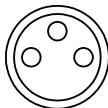

8 Right Angle (R) or Straight (L)

* 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**

 <p>Right Angle</p> <p>Straight</p>		
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)

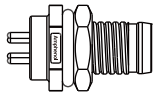
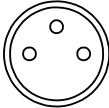
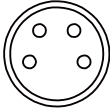
M8 (Plastic)

Receptacle > Male Connector | Overmolded with Cable > Male Connector

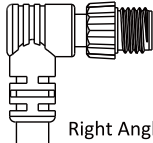

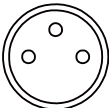
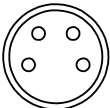
IP 65 . 67 . 68

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

∨ **M8 (Plastic) > Receptacle > Male Connector**

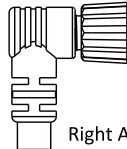
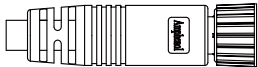
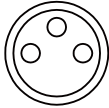

 Front Fastened		
	Backshell: Hexagonal	
Type	3A/60V	3A/30V
PCB Pin (180°)	8P-03PMMP-SF7001	8P-03PMMP-SF7001
Solder Pin (180°)	8P-03PMMS-SF7002	8P-03PMMS-SF7002

∨ **M8 (Plastic) > Overmolded with Cable > Male Connector**

 Right Angle  Straight		
	Type	
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)


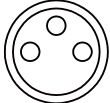

∨ **M8 (Plastic) > Overmolded with Cable > Female Connector**

 Right Angle  Straight		
	Type	
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

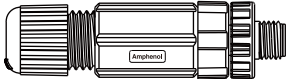
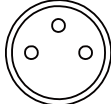
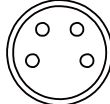
 Straight		
Type	3A/60V	3A/30V
With Strain Relief	8P-03AFFM-QL5XXX*	8P-03AFFM-QL5XXX*

* XXX: Choose the cable type and length:

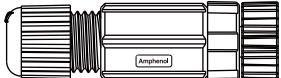
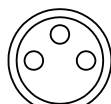

- PVC: 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)

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

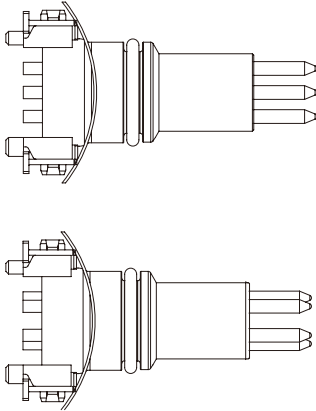
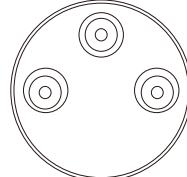
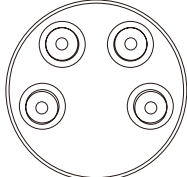
▾ M8 (Plastic) > Field Installable > Male Connector > Straight

			
Type	Contact Type	3A/60V	3A/30V
Without Strain Relief	Screw-in	8P-03BMMB-SL7001	8P-04BMMB-SL7001

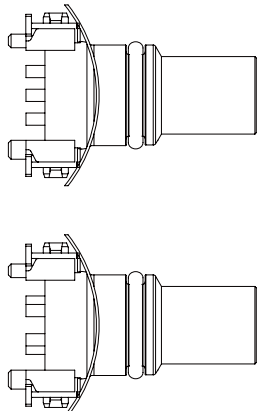
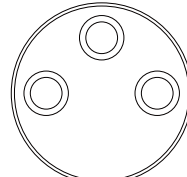
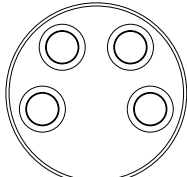
▾ M8 (Plastic) > Field Installable > Female Connector > Straight

			
Type	Contact Type	3A/60V	3A/30V
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