



## CATALOGUE

**IP 65 . 67 . 68**

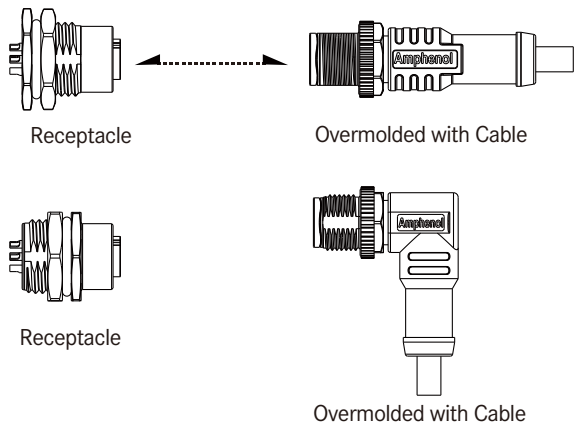
Receptacle | Unmated  
Overmolded with Cable | Mated  
Field Installable | Mated

## M Series Sensor Connector

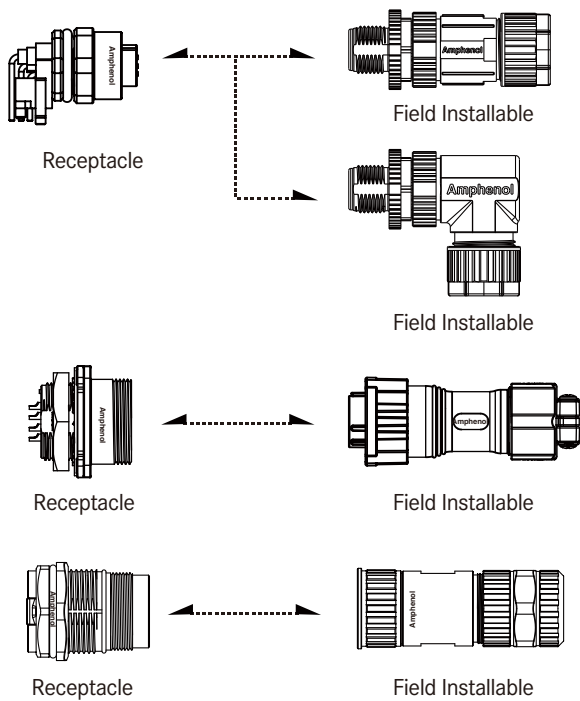


# Range Overview

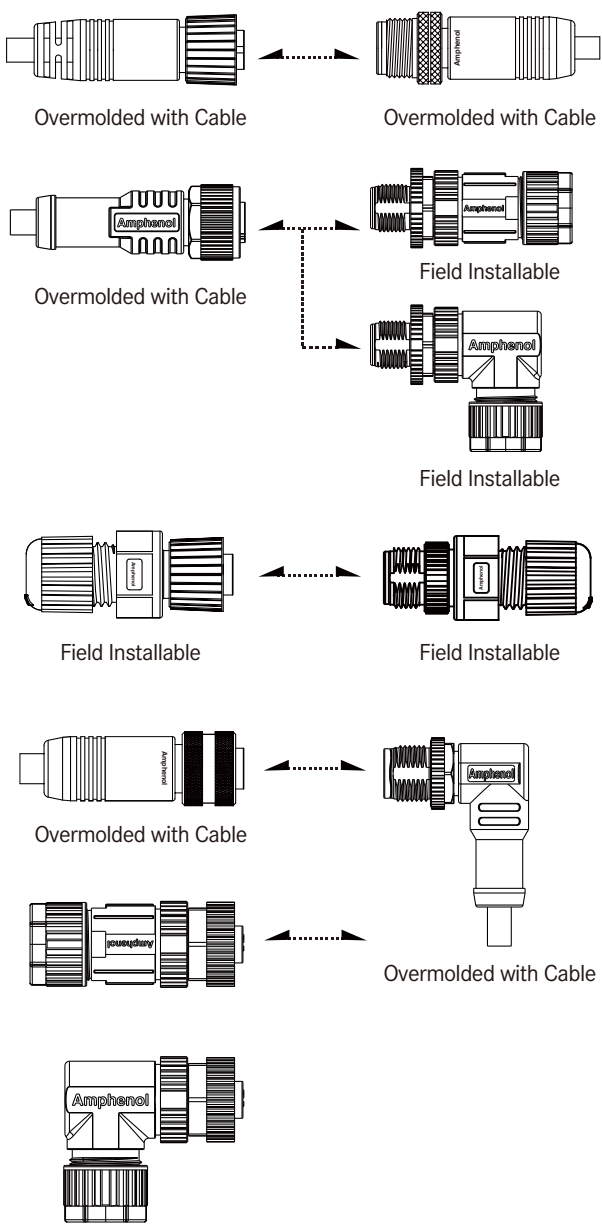
## Receptacle to Overmolded with Cable



## Receptacle to Field Installable



## In Line

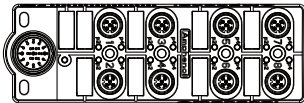


IP 65 . 67 . 68

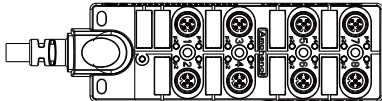
Receptacle | Unmated  
Overmolded with Cable | Mated  
Field Installable | Mated

# Range Overview

## Passive Distribution Box

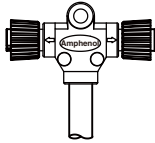


With Homerun Connector



With Cable

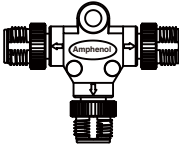
## Accessories



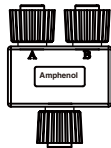
T Cable



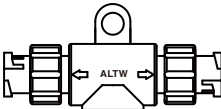
Y Cable



T Adaptor



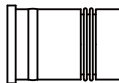
Y Adaptor



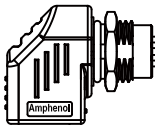
I Adaptor



Waterproof Cap



Insert



M12 to RJ45 Adaptor

# Specification | M Sensor Connector

<b>Identifications</b>	M8, M10.5, M12 (A, B, D, S, T, X code), Heavy Duty Shielded Connector, M23
<b>Description</b>	Receptacle Overmolded with Cable Field Installable
<b>Current Rating / Data</b>	1.5A~28A
<b>Operating Voltage</b>	2~4 Pins : 250V 5 Pins : 60V 6 ~12 Pins : 30V
<b>Contact Resistance</b>	$\leq 10\text{m}\Omega$
<b>Voltage Proof</b>	3 ~ 4 Pins : 1.4 KVRms 5 Pins : 1.0 KVRms 6 ~8 Pins : 0.65 KVRms
<b>Waterproof Rating</b>	IP65 / 67 / 68
<b>Temperature Range</b>	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.
<b>Mating Cycle</b>	100* Minimum
<b>Vibration</b>	10 ~ 500 Hz and 0.35 mm
<b>Material</b>	Contacts: Copper Alloy, Gold Plated Connector Body (Housing) : Nylon+GF or PU, UL Recognized Shield: Zinc Alloy or Copper Ally, Nickel Plated
<b>Standard Cable Length</b>	01~99M
<b>Standards</b>	M12 - IEC 61076-2-101 ; IEC 61076-2-109 (X-code) M8 - IEC 61076-2-104 ; IEC 61076-2-111 (S & T-code)

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

# Specification |

## Passive Distribution Box

<b>Identifications</b>	M8 Passive Distribution Box M12 Passive Distribution Box
<b>Description</b>	With Cable With Homerun Connector
<b>Current Load Per Port</b>	M8 Distribution Box: 2A (Max.) M12 Distribution Box: 2A (Max.)
<b>Current Sum max.</b>	M8 Distribution Box: 6A (Max.) M12 Distribution Box: 12A (Max.)
<b>Operating Voltage</b>	24V DC Nominal (10~30V)
<b>Contact Resistance</b>	<10mΩ
<b>Switching Output</b>	PNP
<b>Power Indicator</b>	LED, Green
<b>Function Indicator</b>	LED, Yellow
<b>Waterproof Rating</b>	M8 Distribution Box: IP 67 Unmated M12 Distribution Box: IP 67 Unmated
<b>Temperature Range</b>	With Cable: -20°C ~ 80°C With Homerun Connector: -25°C ~ 90°C
<b>Vibration</b>	10 to 500 Hz and 0.35mm
<b>Material</b>	Conn. Housing: PA66 Box: PBT+PC Contacts: Copper Alloy, Gold Plated O-ring: Silicone Shell: Zinc Die Cast, Nickel Plated
<b>Standard Cable Length</b>	5M, 10M, 15M, 20M & 30M
<b>Standards</b>	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																													
<u>&gt; M8 Size</u>											<u>&gt; M10.5 Size</u>																		
<b>(8)</b> M8											<b>(105)</b> M10.5																		
<b>(8P)</b> M8, Plastic											<u>&gt; M23 Size</u>																		
<b>(M8S)</b> M8, Shielded											<b>(LJ23)</b> Shielded, Salt Spray Test 48H, 28A																		
<u>&gt; M8 Size with Key, Guided M8</u>											<u>&gt; Heavy Duty Shielded Connector (HDSC)</u>																		
<b>(8A)</b> M8 with Key											<b>(HB20)</b> Shielded, Salt Spray Test 500H, 10A																		
<b>(8AP)</b> M8 with Key, Plastic											<b>(LB20)</b> Shielded, Salt Spray Test 48H, 10A																		
<b>(8H)</b> M8 with Key, Power (3A) +Data (1.5A)											<b>(HC20)</b> Shielded, Salt Spray Test 500H, 20A																		
<b>(8HP)</b> M8 with Key, Plastic, Power (3A) +Data (1.5A)											<b>(LC20)</b> Shielded, Salt Spray Test 48H, 20A																		
<b>(M8AS)</b> M8 with Key, Shielded											<b>(HD20)</b> Shielded, Salt Spray Test 500H, 5A																		
											<b>(LD20)</b> Shielded, Salt Spray Test 48H, 5A																		
Number of Contacts																													
02, 03....., 14...Contacts																													
EX. <b>(02)</b> = 2 Contacts																													
Connector Body (Style)																													
<u>&gt; For Receptacle</u>											<u>&gt; For Overmolded with Cable</u>							<u>&gt; For Field installable</u>											
<b>(P)</b> Panel											<b>(A)</b> With Strain Relief							<b>(B)</b> Without Strain Relief											
											<b>(B)</b> Without Strain Relief																		
Connector (Housing) Gender																													
<b>(M)</b> Male Connector											<b>(F)</b> Female Connector																		
Contact Gender																													
<b>(M)</b> Male											<b>(F)</b> Female																		
Assemble Style																													
<u>&gt; For Receptacle</u>											<u>&gt; For Overmolded with Cable</u>							<u>&gt; For Field Installable</u>											
<b>(S)</b> Solder Type											<b>(M)</b> Overmolded with Cable							<b>(A)</b> Solder Type											
<b>(P)</b> 180° PCB Type																		<b>(B)</b> Screw Type											
<b>(R)</b> 90° PCB Type																		<b>(C)</b> Crimp Type											
<b>(C)</b> Crimp Type																		<b>(D)</b> IDC Type											
Mating Style																													
<b>(S)</b> Screw Thread											<b>(Q)</b> Quick																		
Backshell																													
<u>&gt; For Receptacle</u>											<u>&gt; For Overmolded with Cable</u>							<u>&gt; For Field installable</u>											
<b>(C)</b> Circular, Rear Fastened											<b>(L)</b> Straight							<b>(L)</b> Straight											
<b>(F)</b> Hexagonal, Front Fastened											<b>(R)</b> Right Angle							<b>(R)</b> Right Angle											
<b>(H)</b> Hexagonal, Rear Fastened																													
<b>(N)</b> Square, Rear Fastened with Nut																													
<b>(W)</b> Square, Front Fastened with Screw																													
Waterproof Rating																													
<b>(5)</b> IP65 (Quick Type)																													
<b>(7)</b> IP 67																													
<b>(8)</b> IP 68																													
More Information																													
<u>&gt; For Receptacle</u>											<u>&gt; For Receptacle with Wire Harness</u>							<u>&gt; For Overmolded with Cable</u>				<u>&gt; For Field Installable</u>							
<b>(001), (002), (003).....</b>											<b>(□)+(■)</b> : Cable Type + Wire Length							<b>(□)+(■)</b> : Cable Type + Cable Length				<b>(001), (002), (003).....</b>							
e.g. <b>(001)</b> With Logo											e.g. <b>(A15)</b> = UL 1007 Cable + 150mm							e.g. <b>(A01)</b> = UL2464 Cable + 1M				For Different Versions							
<b>(002)</b> With Logo																													
											<b>(□)</b> : Cable Type							<b>(■)</b> : Wire Length				<b>(□)</b> : Cable Type				<b>(■)</b> : Cable Length			
											<b>(A)</b> UL 1007 Cable (For M8)							<b>(15)</b> 150mm				<b>(A)</b> PVC UL2464 Cable				From 1M to 99M			
																		<b>(30)</b> 300mm				<b>(B)</b> PU VW-1 Cable				EX. <b>(01)</b> = 1M			
																		<b>(50)</b> 500mm											
																		<b>(A0)</b> 1000mm											
																		<b>(A5)</b> 1500mm											

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

## Ordering Information | M12

Specification / Size				1	2	3	4	5	6	7	8	9	10
<u>&gt; A-Coded</u>				<u>&gt; S-Coded</u>									
<b>(M12A)</b> M12 A-Coded				<b>(M12S)</b> M12 S-Coded									
<b>(MSAP)</b> M12 A-Coded, Plastic				<b>(MSSP)</b> M12 S-Coded, Plastic									
<b>(MSAS)</b> M12 A-Coded, Shielded				<u>&gt; T-Coded</u>									
<u>&gt; B-Coded</u>				<b>(M12T)</b> M12 T-Coded									
<b>(M12B)</b> M12 B-Coded				<b>(MSTP)</b> M12 T-Coded, Plastic									
<b>(MSBP)</b> M12 B-Coded, Plastic				<u>&gt; X-Coded</u>									
<b>(MSBS)</b> M12 B-Coded, Shielded				<b>(MSXS)</b> M12 X-Coded, Shielded									
<u>&gt; D-Coded</u>				<u>&gt; I-Style</u>									
<b>(M12D)</b> M12 D-Coded				<b>(M12I)</b> M12 I-Style									
<b>(MSDP)</b> M12 D-Coded, Plastic				<b>(MSIP)</b> M12 I-Style, Plast									
<b>(MSDS)</b> M12 D-Coded, Shielded													
<b>Number of Contacts</b>													
02, 03....., 14...Contacts													
e.g. <b>(02)</b> = 2 Contacts													
<b>Connector Body (Style)</b>													
<u>&gt; For Receptacle</u>				<u>&gt; For Overmolded with Cable</u>				<u>&gt; For Field installable</u>					
<b>(P)</b> Panel				<b>(A)</b> With Strain Relief				<b>(A)</b> With Strain Relief					
				<b>(B)</b> Without Strain Relief				<b>(B)</b> Without Strain Relief					
<b>Connector (Housing) Gender</b>													
<b>(M)</b> Male Connector				<b>(F)</b> Female Connector									
<b>Contact Gender</b>													
<b>(M)</b> Male				<b>(F)</b> Female				<b>(I)</b> I style (Male+Female)					
<b>Assemble Style</b>													
<u>&gt; For Receptacle</u>				<u>&gt; For Field Installable</u>				<u>&gt; For Overmolded with Cable</u>					
<b>(S)</b> Solder Type				<b>(A)</b> Solder Type (10&12 pins are available as standard product. Other pins are available upon request)				<b>(M)</b> Overmolded with Cable					
<b>(P)</b> 180° PCB Type													
<b>(R)</b> 90° PCB Type													
<b>(C)</b> Crimp Type				<b>(B)</b> Screw Type									
				<b>(C)</b> Crimp Type									
				<b>(D)</b> IDC Type									
<b>Mating Style</b>													
<b>(S)</b> Screw Thread				<b>(Q)</b> Quick									
<b>Backshell</b>													
<u>&gt; For Receptacle</u>				<u>&gt; For Overmolded with Cable</u>				<u>&gt; For Field Installable</u>					
<b>(C)</b> Circular, Rear Fastened				<b>(L)</b> Straight				<b>(L)</b> Straight					
<b>(F)</b> Hexagonal, Front Fastened				<b>(R)</b> Right Angle				<b>(R)</b> Right Angle					
<b>(H)</b> Hexagonal, Rear Fastened													
<b>(N)</b> Square, Rear Fastened with Nut													
<b>(W)</b> Square, Front Fastened with Screw													
<b>Waterproof Rating</b>													
<b>(5)</b> IP65 (Quick Type)													
<b>(7)</b> IP 67													
<b>(8)</b> IP 68													
<b>Cable information</b>													
<u>&gt; For Receptacle</u>				<u>&gt; For Receptacle with Wire Harness</u>				<u>&gt; For Overmolded with Cable</u>				<u>&gt; For Field Installable</u>	
<b>(001)</b> PG9				<b>(□)+ (■) :</b> Wire Type + Wire Length				<b>(□)+ (■) :</b> Cable Type + Cable Length				<b>(001), (002), (003).....</b>	
<b>(002)</b> M16				e.g. <b>(B15)</b> = UL1061 + 150mm				e.g. <b>(A01)</b> = PVC UL2517 Yellow Cable + 1M				For Different Versions	
<b>(003)</b> M12													
<b>(□) :</b> Wire Type				<b>(■) :</b> Cable Length				<b>(□) :</b> Cable Type				<b>(■) :</b> Cable Length	
<b>(B)</b> UL 1061 (For M12-PG9)				<b>(15)</b> 150mm				<b>(A)</b> PVC UL2517 Yellow Cable				From 1M to 99M	
<b>(C)</b> UL1061 (For M12-M16)				<b>(30)</b> 300mm				<b>(B)</b> PU UL20549 Cable				EX. <b>(01)</b> = 1M	
				<b>(50)</b> 500mm				<b>(C)</b> CAN Cable					
				<b>(A0)</b> 1000				<b>(D)</b> PVC UL2517 Black Cable					
				<b>(A5)</b> 1500				<b>(E)</b> CAT5e Cable(2Pair/4Pair), Black					
								<b>(F)</b> F-PVC UL2095 Black Cable					
								<b>(G)</b> PVC UL 21996, Balck, round cable					
								<b>(H)</b> PVC UL 21996, Balck, oval cable					
								<b>(S)</b> AC 630V Cable					
								<b>(T)</b> DC 60V Cable					
								<b>(X)</b> CAT6, Cable					



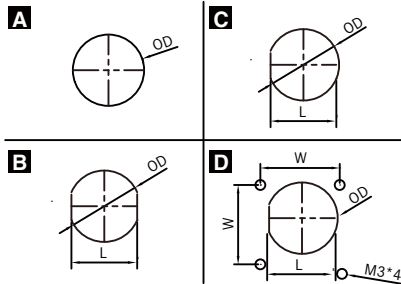
# Ordering Information | Passive Distribution Box

Specification / Size		1	2	3	4	5	6	7	8	9	10
<p>&gt; <u>With M8 Connectors</u></p> <p>(DB8) M8 Connector</p>		<p>&gt; <u>With M12 Connectors</u></p> <p>(DB12) M12 Sensor Connector</p>									
<p><b>Number of Contacts</b></p> <p>02, 03,..., 14...Contacts</p> <p>e.g. (02) = 2 Contacts</p>											
<p><b>Code</b></p> <p>(A) A Code</p> <p>(B) B Code</p> <p>(C) C Code</p>											
<p><b>Ports</b></p> <p>(4) 4 Ports</p> <p>(6) 6 Ports</p> <p>(8) 8 Ports</p> <p>(10) 10 Ports (For M8 Connectors Only)</p>											
<p><b>Homerun Connector</b></p> <p>(M8) M8 Connector</p> <p>(M12) M12 Connector</p> <p>(M16) M16 Connector</p>		<p>(M23) M23 Connector</p> <p>(TBK) Terminal Block</p> <p>(CAB) Cable</p>									
<p><b>Signal Output</b></p> <p>(0) None</p> <p>(S) Single</p> <p>(D) Dual</p>											
<p><b>Switching Output</b></p> <p>(0) None</p> <p>(S) Single</p> <p>(D) Dual</p>											
<p><b>Mating Style</b></p> <p>(L) Lock</p> <p>(S) Screw</p> <p>(Q) Quick</p>											
<p><b>Waterproof Rating</b></p> <p>(5) IP 65 (Quick Type)</p> <p>(6) IP 66</p>		<p>(7) IP 67</p> <p>(8) IP 68</p>									
<p><b>For More Information</b></p> <p>&gt; <u>Without Cable</u></p> <p>(001), (002), (003).....</p> <p>For Different Versions</p>		<p>&gt; <u>With Cable</u></p> <p>(□)+(■) : Cable Type + Cable Length</p> <p>e.g. (A01) = PVC UL2517 Cable + 1M</p> <p>(□) : Cable Type      (■) : Cable Length</p> <p>(A) PVC UL2517 Cable      From 1M to 99M</p> <p>(B) PU 20549 Cable      e.g. (01) = 1M</p> <p>(C) Hi-Flex Cable</p> <p>(D) DeviceNet / NMEA</p> <p>(E) Ethernet</p> <p>(F) ProfiBus</p> <p>(P) ProfiNet</p>									

## Physical Dimension

### Receptacle

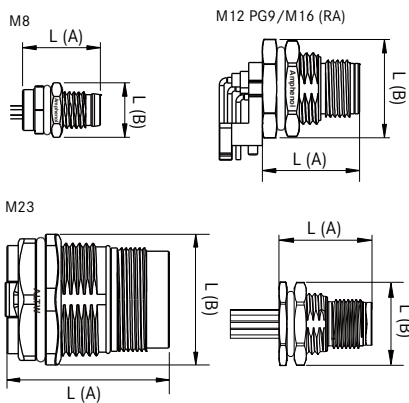
Panel Cut-Out



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	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

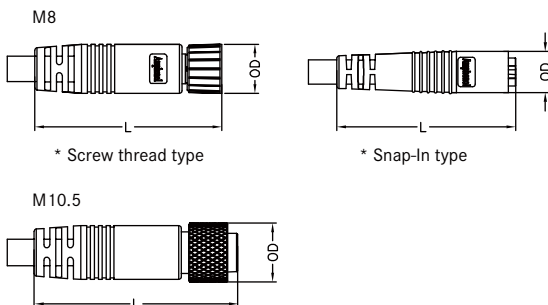
Connector Dimension



Series		Receptacle				Panel Thickness	
Conn. Gender	Type	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	4.5mm Max.	4.5mm Max.
		Right Angle	20.0	20.8	20.5	4.0mm Max.(Plastic)	
	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

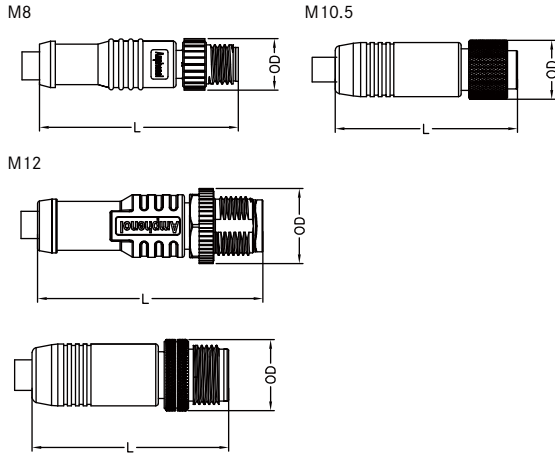


Size \ Dimension		L		OD	
Size	Type	Female	Male	Female	Male
M8	Screw Thread M8 X 1.0	38.1	42.7	10.1	10.5
M8	Snap-In M8 X 1.0	36.5	-	8.4	-
M105	Screw Thread M10.5 X 0.75	37.2	-	12.0	-

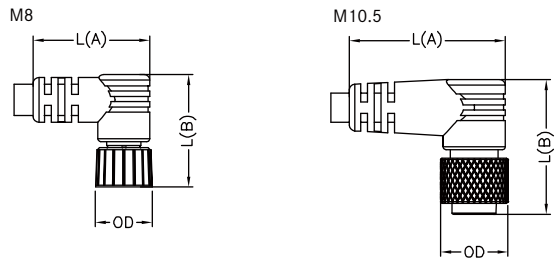
【Note】 Design and specification are subject to change without notice.

# M Series Sensor Connector | Physical Dimension

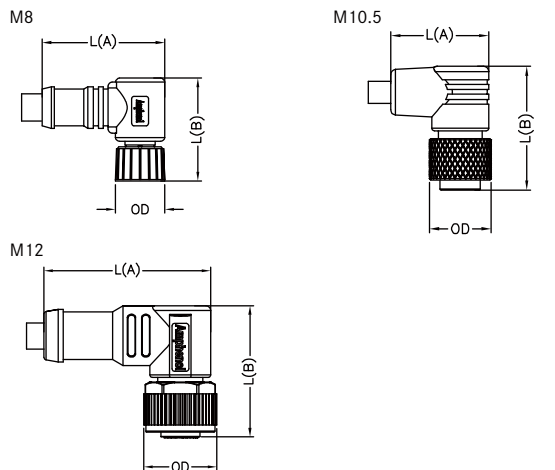
Receptacle | Overmolded with Cable | Field Installable | Passive Distribution Box



Size \ Dimension		L		OD	
Size	Type	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

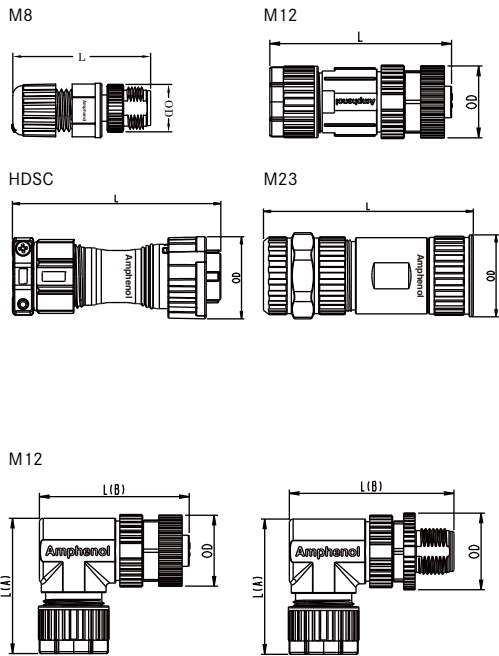


Size \ Dimension		L [A]		L [B]		OD	
Size	Thread Description	Female	Male	Female	Male	Female	Male
M8	M8 X 1.0	24.0	-	24.0	-	12.0	-
M10.5	Screw Thread M10.5 X 0.75	20.7	20.7	20.0	25.5	10.1	10.5



Size \ Dimension		L [A]		L [B]		OD	
Size	Thread Description	Female	Male	Female	Male	Female	Male
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

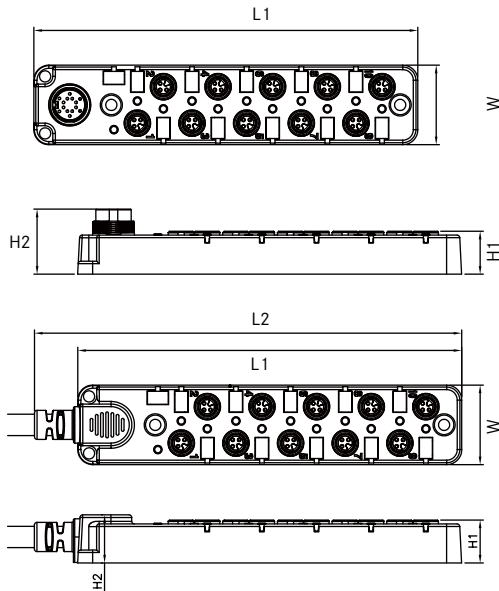
Dimension		Pin Type	L [A]		L [B]		OD	
Size	Thread Description		Female	Male	Female	Male	Female	Male
M12	M12.0 X 1.0	Screw In	38.9	38.9	52.3	52.3	20.8	20.8
M12 Plastic			38.9	38.9	52.3	52.3	20.8	20.8

Dimensions are shown in millimeters

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

## Passive Distribution Box

M8

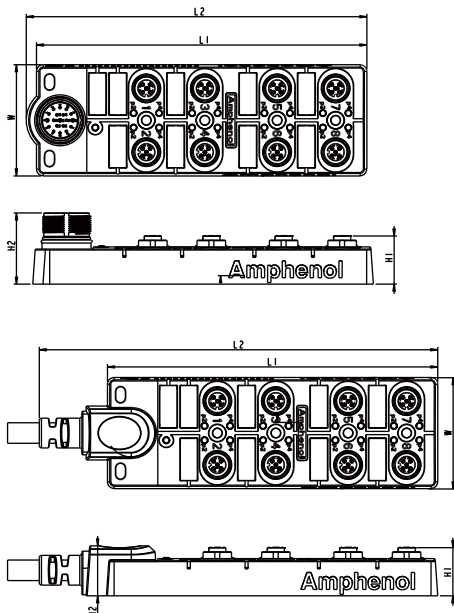


Dimension		Pin Type	L		OD	
Size	Thread Description		Female	Male	Female	Male
M8	M8 X 1.0	Screw In	55.4	59.1	16.7	16.7
M12 Metal Nut	M12 X 1.0	Solder	40.5	41.8	14.5	14.4
		Screw	47.0	51.0	18.6	20.1
		IDC	47.0	51.0	18.6	20.1
M12 Plastic	M12 X 1.0	Solder	61.3	61.3	20.8	20.8
		Screw	47.0	51.0	18.6	20.1
		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	-

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.				

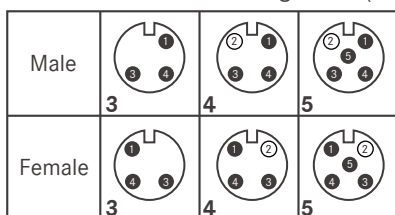
Unit: mm

## 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)											

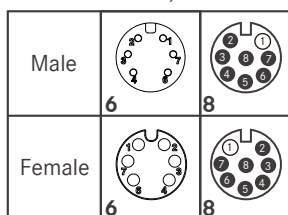
## More to know:

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

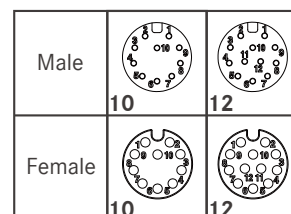


Color Identification:

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

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



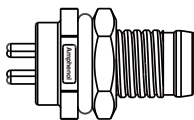
[Note] Design and specification are subject to change without notice.

## Product Features

**IP 65 . 67 . 68**

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

### ┘ Receptacle



#### Mating Style 7



Screw Thread (S)

#### Backshell 8



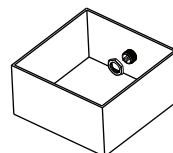
Circular (C)



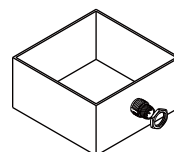
Hexagonal (H)(F)



Square (N)(W)

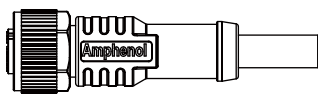


Rear Fastened



Front Fastened (P)

### ┘ Overmolded with Cable



#### Mating Style 7



Screw Thread (S)  
(For M12)

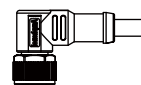


Quick (Q)  
(For M8)

#### Backshell 8

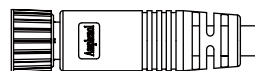


Straight  
(L)

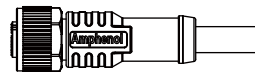


Right Angle  
(R)

#### Connector Body(Style) 3

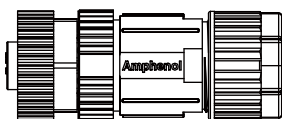


With Strain Relief (A)



Without Strain Relief (B)

### ┘ Field Installable



#### Mating Style 7

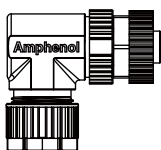


Screw Thread (S)

#### Backshell 8



Straight (L)



Right Angle (R)

#### Connector Body(Style) 3

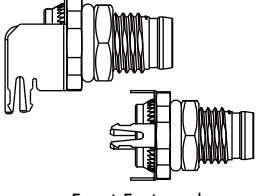
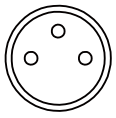
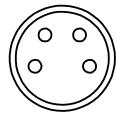


Without Strain Relief (B)

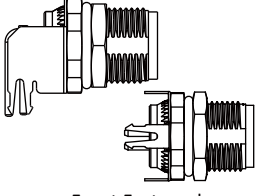
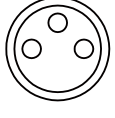



## Find Our Standard Products

### └ M8 (Shielded) > Receptacle > Male Connector

 <p>Front Fastened</p> <p>Backshell: Hexagonal</p>		
	Type	3A/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	3A/60V
PCB Pin (180°)	M8S-03PFFP-SF8001	M8S-04PFFP-SF8001
PCB Pin (90°)	M8S-03PFFR-SF8001	M8S-04PFFR-SF8001

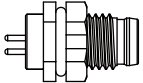
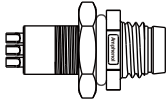
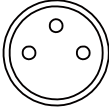
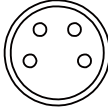
M8 (Metal Nut)

Receptacle > Male / Female Connector

IP 65 . 67 . 68

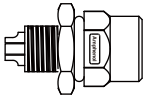
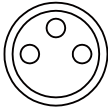
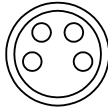
Receptacle | Unmated  
Overmolded with Cable | Mated  
Field Installable | Mated

└ M8 (Metal Nut) > Receptacle > Male Connector

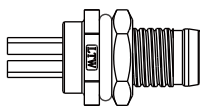
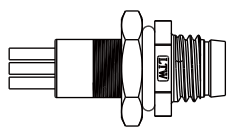
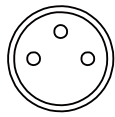
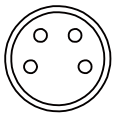
 Front Fastened  Rear Fastened Backshell: Hexagonal		
Type	3A/60V	3A/30V
PCB Pin (180°)	8-03PMMP-SF7001	8-04PMMP-SF7001
	8-03PMMP-SF7002	8-04PMMP-SF7002
Solder Pin (180°)	8-03PMMS-S <sup>8</sup> 7001	8-04PMMS-S <sup>8</sup> 7001
	8-03PMMS-S <sup>8</sup> 7002	8-04PMMS-S <sup>8</sup> 7002

<sup>8</sup> Front Fastened (F) or Rear Fastened (H)

└ M8 (Metal Nut) > Receptacle > Female Connector

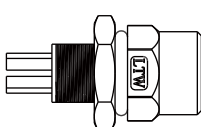
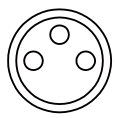
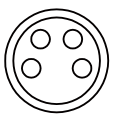
 Rear Fastened Backshell: Hexagonal		
Type	3A/60V	3A/30V
Solder Pin (180°)	8-03PFFS-SH7001	8-04PFFS-SH7001
	8-03PFFS-SH7002	8-04PFFS-SH7002

## **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 <b>8</b> 7A15	8-04PMMS-S <b>8</b> 7A15
300mm	8-03PMMS-S <b>8</b> 7A30	8-04PMMS-S <b>8</b> 7A30
500mm	8-03PMMS-S <b>8</b> 7A50	8-04PMMS-S <b>8</b> 7A50
1000mm	8-03PMMS-S <b>8</b> 7AA0	8-04PMMS-S <b>8</b> 7AA0
1500mm	8-03PMMS-S <b>8</b> 7AA5	8-04PMMS-S <b>8</b> 7AA5

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

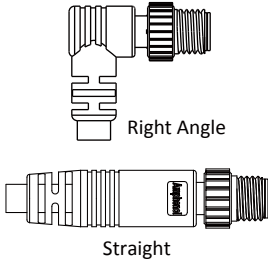
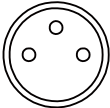
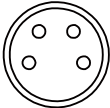
## **M8 (Metal Nut) > Receptacle with Wires > Female Connector**

 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 &gt; Male / Female Connector

**IP 65 . 67 . 68**Receptacle | Unmated  
Overmolded with Cable | Mated  
Field Installable | Mated**└ 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 87XXX*	8-04AMMM-S 87XXX*
Without Strain Relief	8-03BMMM-S 87XXX*	8-04BMMM-S 87XXX*

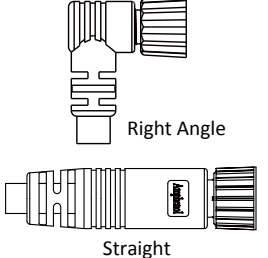
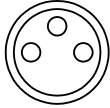
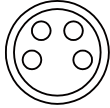
**8** Right Angle (R) or Straight (L)

\* 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 87XXX*	8-04AFFM-S 87XXX*
Without Strain Relief	8-03BFFM-S 87XXX*	8-04BFFM-S 87XXX*

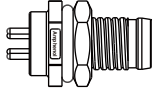
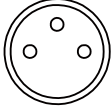
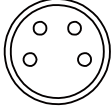
**8** Right Angle (R) or Straight (L)

\* XXX: Choose the cable type and length:

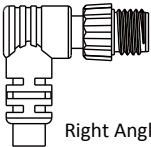

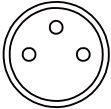
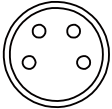
- PVC: 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)

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

### └ M8 (Plastic) > Receptacle > Male Connector

 Front Fastened Backshell: Hexagonal		
	3A/60V	3A/30V
Type	3A/60V	3A/30V
PCB Pin (180°)	8P-03PMMP-SF7001	8P-04PMMP-SF7001
Solder Pin (180°)	8P-03PMMS-SF7001	8P-04PMMS-SF7001

### └ M8 (Plastic) > Overmolded with Cable > Male Connector

 Right Angle  Straight		
	3A/60V	3A/30V
Type	3A/60V	3A/30V
With Strain Relief	8P-03AMMM-S 87XXX*	8P-04AMMM-S 87XXX*
Without Strain Relief	8P-03BMMM-S 87XXX*	8P-04BMMM-S 87XXX*

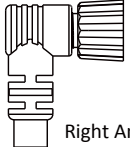
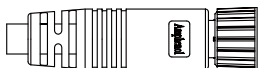
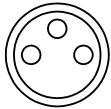

8 Right Angle (R) or Straight (L)

\* 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		
	3A/60V	3A/30V
Type	3A/60V	3A/30V
With Strain Relief	8P-03AFFM-S 87XXX*	8P-04AFFM-S 87XXX*
Without Strain Relief	8P-03BFFM-S 87XXX*	8P-04BFFM-S 87XXX*

8 Right Angle (R) or Straight (L)

\* XXX: Choose the cable type and length:

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

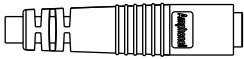
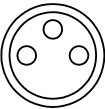
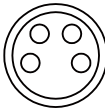
- PU: 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)

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

**M8 (Plastic)**

Overmolded with Cable &gt; Female Connector | Field Installable &gt; Male / Female Connector

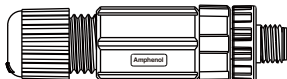
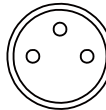
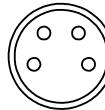
**IP 65 . 67 . 68**Receptacle | Unmated  
Overmolded with Cable | Mated  
Field Installable | Mated**└ M8 (Plastic) > Overmolded with Cable > Female Connector**

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

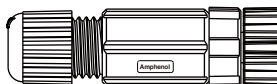
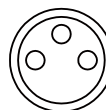

\* XXX: Choose the cable type and length:

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

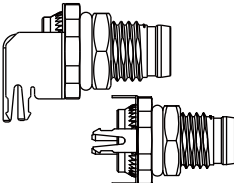



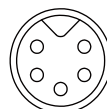
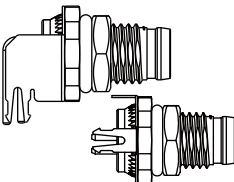
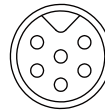
**└ M8 (Plastic) > Field Installable > Male Connector > Straight**

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

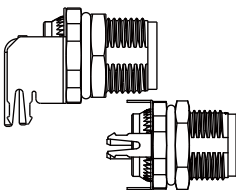



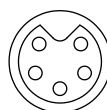
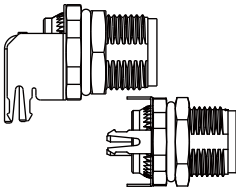
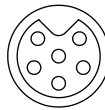
**└ M8 (Plastic) > Field Installable > Female Connector > Straight**

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

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

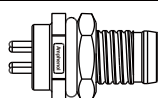
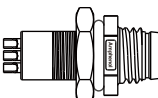




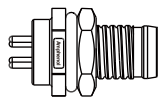
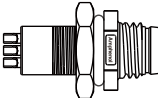


 Backshell: Hexagonal					
	Type	3A/60V	3A/60V	3A/30V	1.5A/30V
	PCB Pin (180°)	M8AS-02PMMP-SF8001	M8AS-03PMMP-SF8001	M8AS-04PMMP-SF8001	M8AS-05PMMP-SF8001
	PCB Pin (90°)	M8AS-02PMMR-SF8001	M8AS-03PMMR-SF8001	M8AS-04PMMR-SF8001	M8AS-05PMMR-SF8001
 Backshell: Hexagonal					
	Type	1.5A/30V			
	PCB Pin (180°)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

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

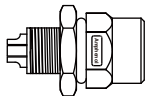




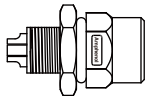
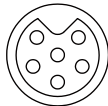

 Backshell: Hexagonal					
Type	3A/60V	3A/60V	3A/30V	1.5A/30V	
PCB Pin (180°)	M8AS-02PFFP-SF8001	M8AS-03PFFP-SF8001	M8AS-04PFFP-SF8001	M8AS-05PFFP-SF8001	
PCB Pin (90°)	M8AS-02PFFR-SF8001	M8AS-03PFFR-SF8001	M8AS-04PFFR-SF8001	M8AS-05PFFR-SF8001	
 Backshell: Hexagonal					
	Type	1.5A/30V			
	PCB Pin (180°)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

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

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

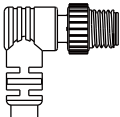
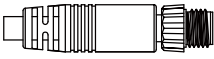




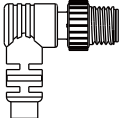



<div></div> <div>Front Fastened</div> <div></div> <div>Rear Fastened</div> <div>Backshell: Hexagonal</div>					
Type	3A/60V	3A/60V	3A/30V	1.5A/30V	
PCB Pin (180°)	8A-02PMMP-SF7001	8A-03PMMP-SF7001	8A-04PMMP-SF7001	8A-05PMMP-SF7001	
Solder Pin	8A-02PMMS-S 8 7001	8A-03PMMS-S 8 7001	8A-04PMMS-S 8 7001	8A-05PMMS-S 8 7001	
<div></div> <div>Front Fastened</div> <div></div> <div>Rear Fastened</div> <div>Backshell: Hexagonal</div>			<div>8 Front Fastened (F) or Rear Fastened (H)</div>		
	Type	1.5A/30V	3A+1.5A/30V		
	PCB Pin (180°)	8A-06PMMP-SF7001	8H-05PMMP-SF7001		
	Solder Pin	8A-06PMMS-S 8 7001	8H-05PMMS-S 8 7001		

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

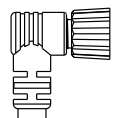





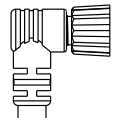
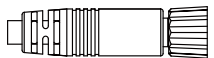


<div></div> <div>Rear Fastened</div> <div>Backshell: Hexagonal</div>	<div></div>	<div></div>	<div></div>	<div></div>
Type	3A/60V	3A/60V	3A/30V	1.5A/30V
Solder Pin	8A-02PFFS-SH7001	8A-03PFFS-SH7001	8A-04PFFS-SH7001	8A-05PFFS-SH7001
<div></div> <div>Rear Fastened</div> <div>Backshell: Hexagonal</div>	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

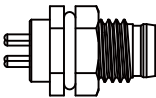




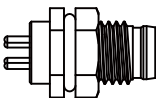


 Right Angle  Straight				
Type	3A/60V	3A/60V	3A/30V	1.5A/30V
With Strain Relief	8A-02AMMM-S 87XXX*	8A-03AMMM-S 87XXX*	8A-04AMMM-S 87XXX*	8A-05AMMM-S 87XXX*
 Right Angle  Straight			<b>8</b> Right Angle (R) or Straight (L) * XXX: Choose the cable type and length: - PVC: 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10) - PU: 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)	
Type	1.5A/30V	3A+1.5A/30V		
With Strain Relief	8A-06AMMM-S 87XXX*	8H-05AMMM-S 87XXX*		

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

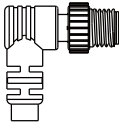





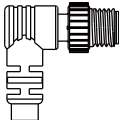



 Right Angle  Straight				
Type	3A/60V	3A/60V	3A/30V	1.5A/30V
With Strain Relief	8A-02AFFM-S 87XXX*	8A-03AFFM-S 87XXX*	8A-04AFFM-S 87XXX*	8A-05AFFM-S 87XXX*
 Right Angle  Straight			<b>8</b> Right Angle (R) or Straight (L) * XXX: Choose the cable type and length: - PVC: 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10) - PU: 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)	
Type	1.5A/30V	3A+1.5A/30V		
With Strain Relief	8A-06AFFM-S 87XXX*	8H-05AFFM-S 87XXX*		

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

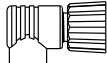
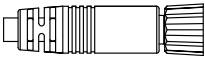





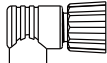
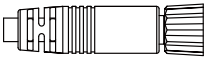



## ▾ Guided M8, G8 (Plastic) > Receptacle > Male Connector

 Front Fastened				
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
 Front Fastened				
	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

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

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

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

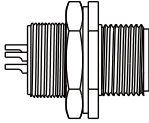
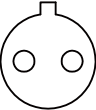
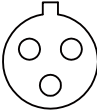


【Note】 Design and specification are subject to change without notice.

**M10.5 (Metal)**

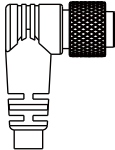
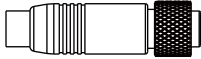



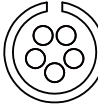
Receptacle &gt; Male Connector | Overmolded with Cable &gt; Male Connector

**IP 65 . 67 . 68**Receptacle | Unmated  
Overmolded with Cable | Mated  
Field Installable | Mated

### **M10.5 (Metal) > Receptacle > Male Connector**

 <b>Rear Fastened</b> Backshell: Hexagonal Backshell: Circular				
	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 > Female Connector**

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

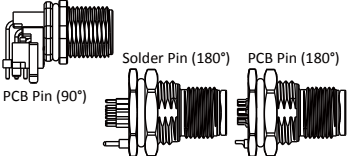
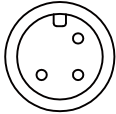
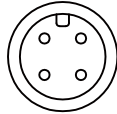
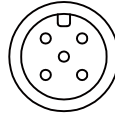
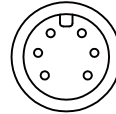
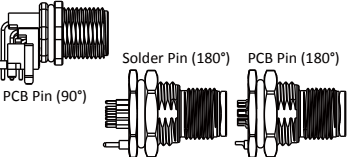
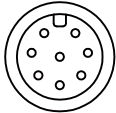
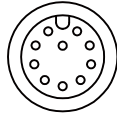
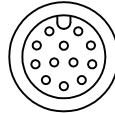
**8** Right Angle (R) or Straight (L)

\* XXX: Choose the cable type and length:

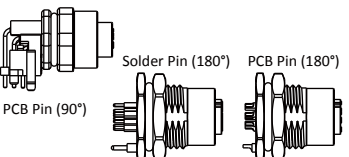
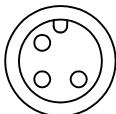
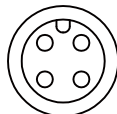
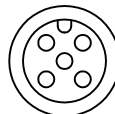
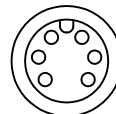
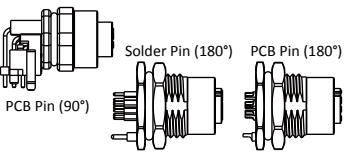

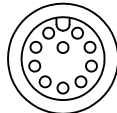
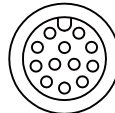
- PVC: 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)

- 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	2A / 30V
PCB Pin (180°)	PG9	MSAS-03PMMP-SF8001	MSAS-04PMMP-SF8001	MSAS-05PMMP-SF8001	MSAS-06PMMP-SF8001
	M16.0	MSAS-03PMMP-SF8002	MSAS-04PMMP-SF8002	MSAS-05PMMP-SF8002	MSAS-06PMMP-SF8002
PCB Pin (90°)	M12	MSAS-03PMMR-SF7003	MSAS-04PMMR-SF7003	MSAS-05PMMR-SF7003	-
Solder Pin (180°)	PG9	MSAS-03PMMS-SF8001	MSAS-04PMMS-SF8001	MSAS-05PMMS-SF8001	MSAS-06PMMS-SF8001
	M16.0	MSAS-03PMMS-SF8002	MSAS-04PMMS-SF8002	MSAS-05PMMS-SF8002	MSAS-06PMMS-SF8002
					
Type	Mounting Thread	2A / 30V	1.5A / 30V	1.5A / 30V	
PCB Pin (180°)	PG9	MSAS-08PMMP-SF8001	MSAS-10PMMP-SF8001	MSAS-12PMMP-SF8001	
	M16.0	MSAS-08PMMP-SF8002	MSAS-10PMMP-SF8002	MSAS-12PMMP-SF8002	
PCB Pin (90°)	M12	MSAS-08PMMR-SF7003	-	-	
Solder Pin (180°)	PG9	MSAS-08PMMS-SF8001	MSAS-10PMMS-SF8001	MSAS-12PMMS-SF8001	
	M16.0	MSAS-08PMMS-SF8002	MSAS-10PMMS-SF8002	MSAS-12PMMS-SF8002	

## ➤ M12 A-Coded (Shielded) > Receptacle > Female Connector


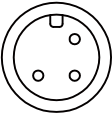
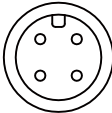
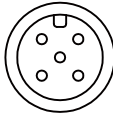
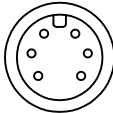
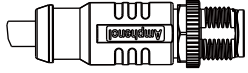
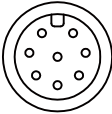
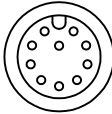
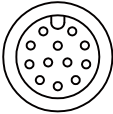
					
Type	Mounting Thread	4A/250V	4A/250V	4A/60V	2A / 30V
PCB Pin (180°)	PG9	MSAS-03PFFP-SF8001	MSAS-04PFFP-SF8001	MSAS-05PFFP-SF8001	MSAS-06PFFP-SF8001
	M16.0	MSAS-03PFFP-SF8002	MSAS-04PFFP-SF8002	MSAS-05PFFP-SF8002	MSAS-06PFFP-SF8002
PCB Pin (90°)	M12	MSAS-03PFFR-SF7003	MSAS-04PFFR-SF7003	MSAS-05PFFR-SF7003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

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

**M12 A-Coded (Shielded)**

Overmolded with Cable &gt; Male / Female Connector

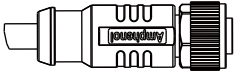
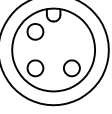

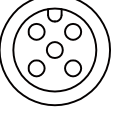
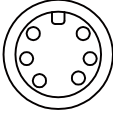

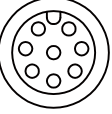

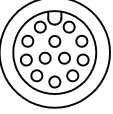
**IP 65 . 67 . 68**Receptacle | Unmated  
Overmolded with Cable | Mated  
Field Installable | Mated**└ M12 A-Coded (Shielded) > Overmolded with Cable > Male Connector**

				
Straight				
Type	4A/250V	4A/250V	4A/60V	2A / 30V
Without Strain Relief	MSAS-03BMMM-SL8XXX*	MSAS-04BMMM-SL8XXX*	MSAS-05BMMM-SL8XXX*	MSAS-06BMMM-SL8XXX*
				
Straight				
Type	2A/30V	1.5A/30V	1.5A/30V	
Without Strain Relief	MSAS-08BMMM-SL8XXX*	MSAS-10BMMM-SL8XXX*	MSAS-12BMMM-SL8XXX*	

\* 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)

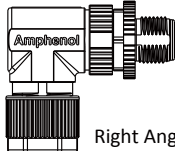

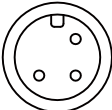
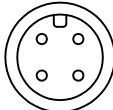
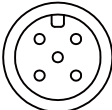
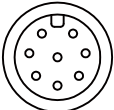




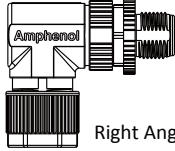

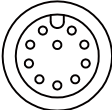
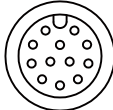



**└ M12 A-Coded (Shielded) > Overmolded with Cable > Female Connector**

				
Straight				
Type	4A/250V	4A/250V	4A/60V	2A / 30V
Without Strain Relief	MSAS-03BFFM-SL8XXX*	MSAS-04BFFM-SL8XXX*	MSAS-05BFFM-SL8XXX*	MSAS-06BFFM-SL8XXX*
				
Straight				
Type	2A/30V	1.5A/30V	1.5A/30V	
Without Strain Relief	MSAS-08BFFM-SL8XXX*	MSAS-10BFFM-SL8XXX*	MSAS-12BFFM-SL8XXX*	

\* 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 A-Coded (Shielded) > Field Installable > Male Connector

 Right Angle  Straight					
Type	Contact Type	4A/250V	4A/250V	4A/60V	2A / 30V
Without Strain Relief	Screw Type	MSAS-03BMMB-S  7001	MSAS-04BMMB-S  7001	MSAS-05BMMB-S  7001	MSAS-08BMMB-S  7001
 Right Angle  Straight				 Right Angle ( <b>R</b> ) or Straight ( <b>L</b> )	
Type	Contact Type	1.5A / 30V	1.5A / 30V		
Without Strain Relief	Screw Type	MSAS-10BMMB-S  7001	MSAS-12BMMB-S  7001		

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

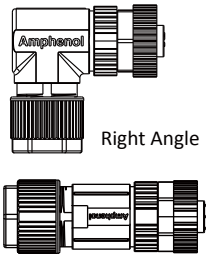
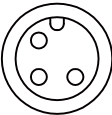
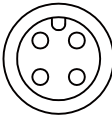
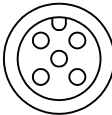
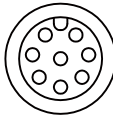
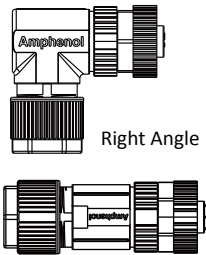
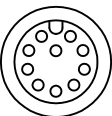
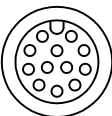
M12 A-Coded (Shielded)

Field Installable > Female Connector

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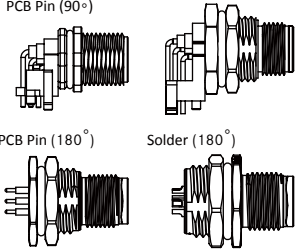
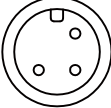
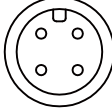
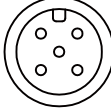
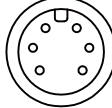
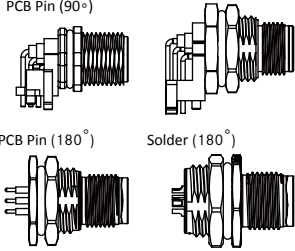
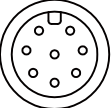
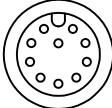
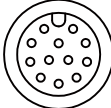
Receptacle | Unmated  
Overmolded with Cable | Mated  
Field Installable | Mated

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

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

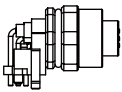
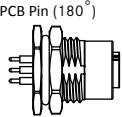
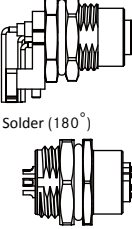




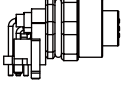
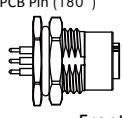
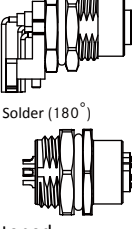


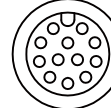


## M12 A-Coded (Metal Nut) > Receptacle > Male Connector

					
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-S <sup>8</sup> 8001	M12A-04PMMS-S <sup>8</sup> 8001	M12A-05PMMS-S <sup>8</sup> 8001	M12A-06PMMS-S <sup>8</sup> 8001
	M16.0	M12A-03PMMS-S <sup>8</sup> 8002	M12A-04PMMS-S <sup>8</sup> 8002	M12A-05PMMS-S <sup>8</sup> 8002	M12A-06PMMS-S <sup>8</sup> 8002
					
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-S <sup>8</sup> 8001	M12A-10PMMS-S <sup>8</sup> 8001	M12A-12PMMS-S <sup>8</sup> 8001	
	M16.0	M12A-08PMMS-S <sup>8</sup> 8002	M12A-10PMMS-S <sup>8</sup> 8002	M12A-12PMMS-S <sup>8</sup> 8002	

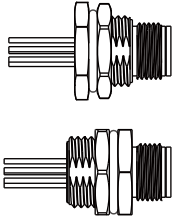
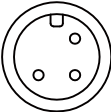
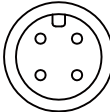
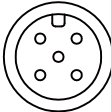
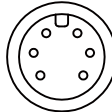
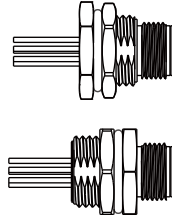
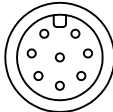
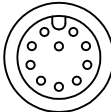
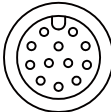
<sup>8</sup> Front Fastened (F) or Rear Fastened (H)

## 

PCB Pin (90°)  PCB Pin (180°)  Solder (180°)  Front Fastened					
Backshell: Hexagonal					
Type	Mounting Thread	4A / 250V	4A / 250V	4A / 60V	2A / 30V
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-S <sup>Ⓢ</sup> 8001	M12A-04PFFS-S <sup>Ⓢ</sup> 8001	M12A-05PFFS-S <sup>Ⓢ</sup> 8001	M12A-06PFFS-S <sup>Ⓢ</sup> 8001
	M16.0	M12A-03PFFS-S <sup>Ⓢ</sup> 8002	M12A-04PFFS-S <sup>Ⓢ</sup> 8002	M12A-05PFFS-S <sup>Ⓢ</sup> 8002	M12A-06PFFS-S <sup>Ⓢ</sup> 8002
PCB Pin (90°)  PCB Pin (180°)  Solder (180°)  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-S <sup>Ⓢ</sup> 8001	M12A-10PFFS-S <sup>Ⓢ</sup> 8001	M12A-12PFFS-S <sup>Ⓢ</sup> 8001	
	M16.0	M12A-08PFFS-S <sup>Ⓢ</sup> 8002	M12A-10PFFS-S <sup>Ⓢ</sup> 8002	M12A-12PFFS-S <sup>Ⓢ</sup> 8002	

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

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

\* Other wire types are available upon request.

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

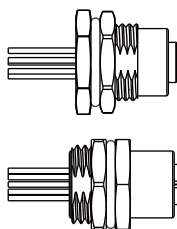
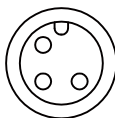
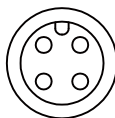
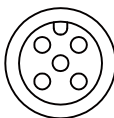
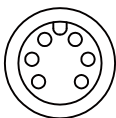
## M12 A-Coded (Metal Nut)

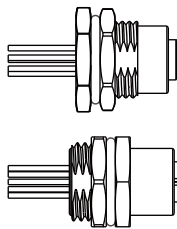



Receptacle with Wire Harness &gt; Female Connector

# IP 65 . 67 . 68

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

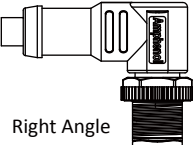
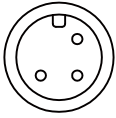
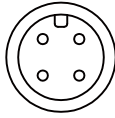
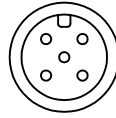
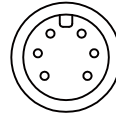
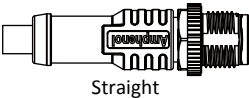




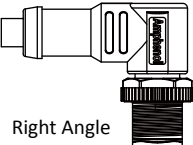
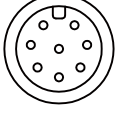
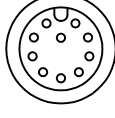
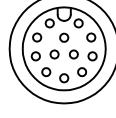
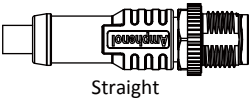



## └ M12 A-Coded (Metal Nut) > Receptacle with Wire Harness > Female Connector


					
Backshell: Hexagonal					
Wire Length (UL 1007)*	Mounting Thread	4A/250V	4A/250V	4A/60V	2A / 30V
150mm	PG9	M12A-03PFFC-S 8B15	M12A-04PFFC-S 8B15	M12A-05PFFC-S 8B15	M12A-06PFFS-S 8B15
	M16.0	M12A-03PFFC-S 8C15	M12A-04PFFC-S 8C15	M12A-05PFFC-S 8C15	M12A-06PFFS-S 8C15
300mm	PG9	M12A-03PFFC-S 8B30	M12A-04PFFC-S 8B30	M12A-05PFFC-S 8B30	M12A-06PFFS-S 8B30
	M16.0	M12A-03PFFC-S 8C30	M12A-04PFFC-S 8C30	M12A-05PFFC-S 8C30	M12A-06PFFS-S 8C30
500mm	PG9	M12A-03PFFC-S 8B50	M12A-04PFFC-S 8B50	M12A-05PFFC-S 8B50	M12A-06PFFS-S 8B50
	M16.0	M12A-03PFFC-S 8C50	M12A-04PFFC-S 8C50	M12A-05PFFC-S 8C50	M12A-06PFFS-S 8C50
1000mm	PG9	M12A-03PFFC-S 8BA0	M12A-04PFFC-S 8BA0	M12A-05PFFC-S 8BA0	M12A-06PFFS-S 8BA0
	M16.0	M12A-03PFFC-S 8CA0	M12A-04PFFC-S 8CA0	M12A-05PFFC-S 8CA0	M12A-06PFFS-S 8CA0
1500mm	PG9	M12A-03PFFC-S 8BA5	M12A-04PFFC-S 8BA5	M12A-05PFFC-S 8BA5	M12A-06PFFS-S 8BA5
	M16.0	M12A-03PFFC-S 8CA5	M12A-04PFFC-S 8CA5	M12A-05PFFC-S 8CA5	M12A-06PFFS-S 8CA5

					
Backshell: Hexagonal					
Wire Length (UL 1007)*	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)

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

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

 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)

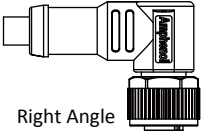
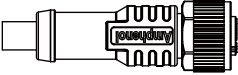
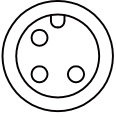
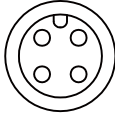
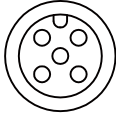
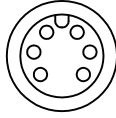
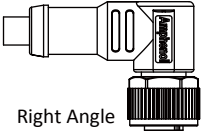
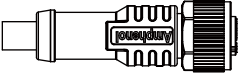
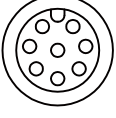
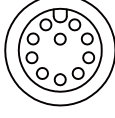
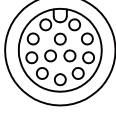
M12 A-Coded (Metal Nut)

Overmolded with Cable > Female Connector

IP 65 . 67 . 68

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

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

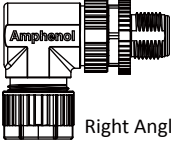
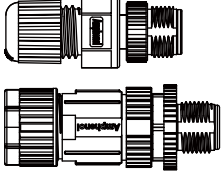
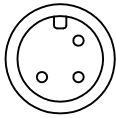
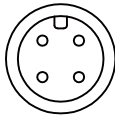
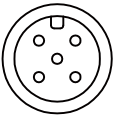
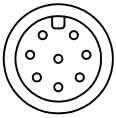




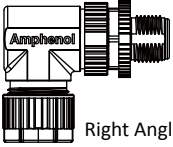
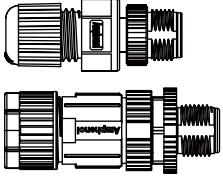
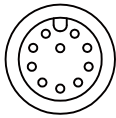
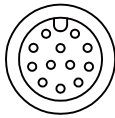



 Right Angle  Straight				
Type	4A/250V	4A/250V	4A/60V	2A / 30V
Without Strain Relief	M 12A-03BFFM-S 8 XXX*	M 12A-04BFFM-S 8 XXX*	M 12A-05BFFM-S 8 XXX*	M 12A-06BFFM-S 8 XXX*
 Right Angle  Straight				
Type	4A/250V	4A/250V	4A/60V	
Without Strain Relief	M 12A-08BFFM-S 8 XXX*	M 12A-10BFFM-S 8 XXX*	M 12A-12BFFM-S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

8 Straight (L) or Right Angle (R)

\* XXX: Choose the cable type and length:

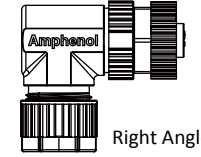
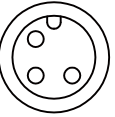
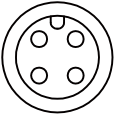
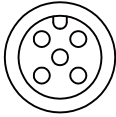
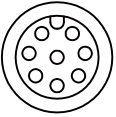
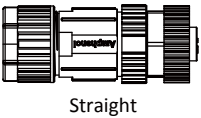
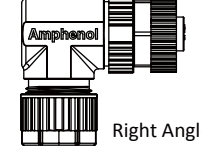
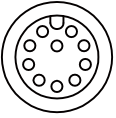
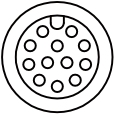
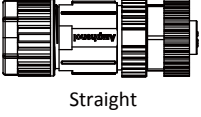
- PVC(UL2517 Yellow): 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU(UL20549 Black): 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)
- PVC(UL2517 Black): 1M (D01) / 2M (D02) / 5M (D05) / 10M (D10)

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

 Right Angle   Straight					
Type	Contact Type	4A/250V	4A/250V	4A/60V	2A / 30V
Without Strain Relief	Solder Type	12-03BMMA-SL8001	12-04BMMA-SL8001	12-05BMMA-SL8001	12-08BMMA-SL8001
	Screw Type	M12A-03BMMB-S  7001	M12A-04BMMB-S  7001	M12A-05BMMB-S  7001	M12A-08BMMB-S  7001
 Right Angle   Straight				 Straight (L) or Right Angle (R)	
Type	Contact Type	1.5A / 30V	1.5A / 30V		
Without Strain Relief	Solder Type	M12A-10BMMA-S  7001	M12A-12BMMA-S  7001		
	Screw Type	-	-		

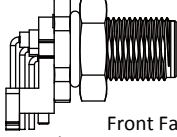
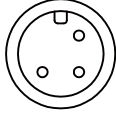
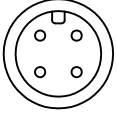
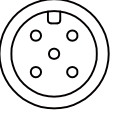
【Note】 Design and specification are subject to change without notice.

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

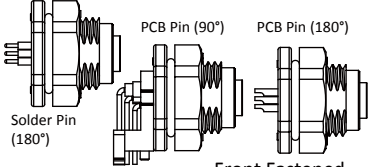
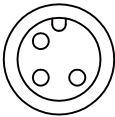
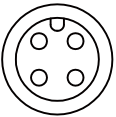
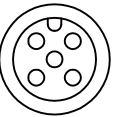
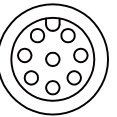
 Right Angle					
 Straight					
Type	Contact Type	4A/250V	4A/250V	4A/60V	2A / 30V
Without Strain Relief	Solder Type	12-03BFFA-SL8001	12-04BFFA-SL8001	12-05BFFA-SL8001	12-08BFFA-SL8001
	Screw Type	M12A-03BFFB-S ⑧ 7001	M12A-04BFFB-S ⑧ 7001	M12A-05BFFB-S ⑧ 7001	M12A-08BFFB-S ⑧ 7001
 Right Angle				⑧ Straight (L) or Right Angle (R)	
 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	-	-		



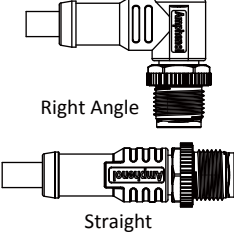
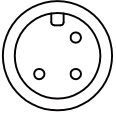
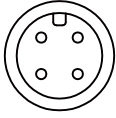
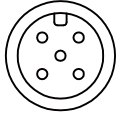
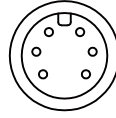
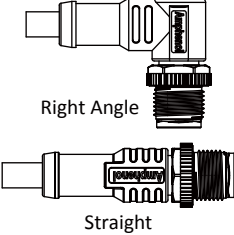
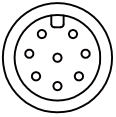
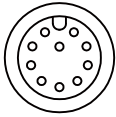
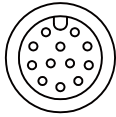
### M12 A-Coded (Plastic) > Receptacle > Male Connector > Front Fastened

 Backshell: Hexagonal				
Type	Mounting Thread	4A/250V	4A/250V	4A/60V
Solder Pin (90°)	M12	MSAP-03PMMR-SF8003	MSAP-04PMMR-SF8003	MSAP-05PMMR-SF8003

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

 Backshell: Hexagonal					
Type	Mounting Thread	4A/250V	4A/250V	4A/60V	2A / 30V
PCB Pin (180°)	M16.0	MSAP-03PFFP-SF8002	MSAP-04PFFP-SF8002	MSAP-05PFFP-SF8002	MSAP-08PFFP-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	MSAP-08PFFS-SF8002

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

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

**8** Right Angle (R) or Straight (L)

\* 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)

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

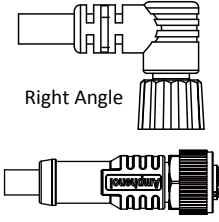
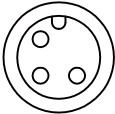
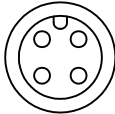
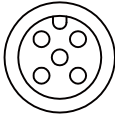
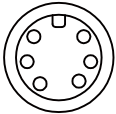
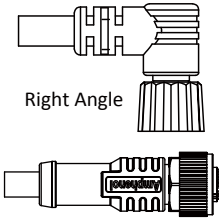
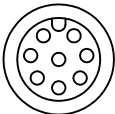
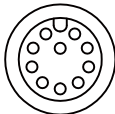
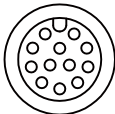
M12 A-Coded (Plastic)

Overmolded with Cable > Female Connector

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

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

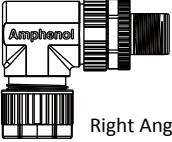
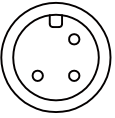
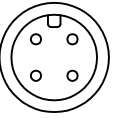
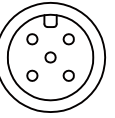
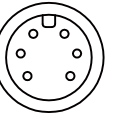
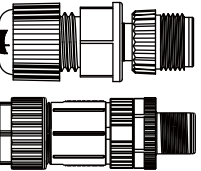
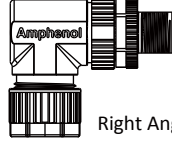
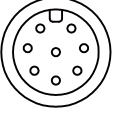
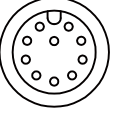

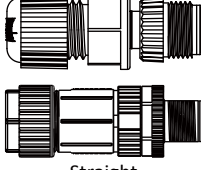
 Right Angle  Straight				
Type	4A/250V	4A/250V	4A/60V	2A/30V
Without Strain Relief	MSAP-03BFFM-S 8 XXX*	MSAP-04BFFM-S 8 XXX*	MSAP-05BFFM-S 8 XXX*	MSAP-06BFFM-S 8 XXX*
 Right Angle  Straight				
Type	2A/30V	1.5A/30V	1.5A/30V	
Without Strain Relief	MSAP-08BFFM-S 8 XXX*	MSAP-10BFFM-S 8 XXX*	MSAP-12BFFM-S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

8 Right Angle (R) or Straight (L)

\* 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 A-Coded (Plastic) > Field Installable > Male Connector

 Right Angle					
 Straight					
Type	Contact Type	4A/250V	4A/250V	4A/60V	2A/30V
Without Strain Relief	Solder Type	12P-03BMMA-SL8001	12P-04BMMA-SL8001	12P-05BMMA-SL8001	—
	Screw Type	MSAP-03BMMB-S 8 7001	MSAP-04BMMB-S 8 7001	MSAP-05BMMB-S 8 7001	—
 Right Angle					
 Straight					
Type	Contact Type	2A/30V	1.5A/30V	1.5A/30V	
Without Strain Relief	Solder Type	12P-08BMMA-SL8001	MSAP-10BMMA-S 8 7001	MSAP-12BMMA-S 8 7001	
	Screw Type	MSAP-08BMMB-S 8 7001	—	—	

8 Right Angle (R) or Straight (L)

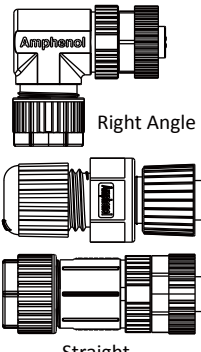
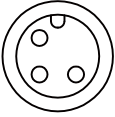
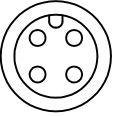
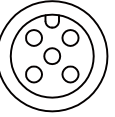
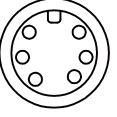
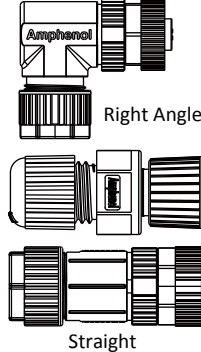
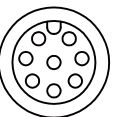
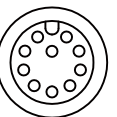
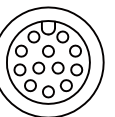
**M12 A-Coded (Plastic)**

Field Installable &gt; Female Connector

**IP 65 . 67 . 68**

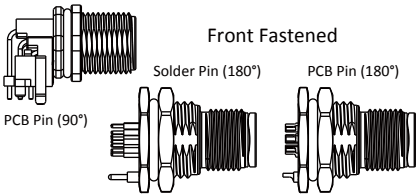
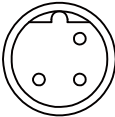
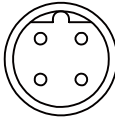
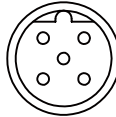
Receptacle | Unmated  
Overmolded with Cable | Mated  
Field Installable | Mated

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

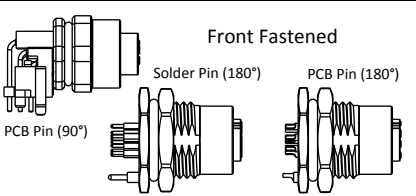
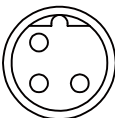
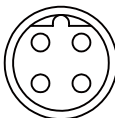

					
Type	Contact Type	4A/250V	4A/250V	4A/60V	2A/30V
Without Strain Relief	Solder Type	12P-03BFFA-SL8001	12P-04BFFA-SL8001	12P-05BFFA-SL8001	—
	Screw Type	MSAP-03BFFB-S 8 7001	MSAP-04BFFB-S 8 7001	MSAP-05BFFB-S 8 7001	—
					
Type	Contact Type	2A/30V	1.5A/30V	1.5A/30V	
Without Strain Relief	Solder Type	12P-08BFFA-SL8001	MSAP-10BFFA-S 8 7001	MSAP-12BFFA-S 8 7001	
	Screw Type	MSAP-08BFFB-S 8 7001	—	—	

8 Right Angle (R) or Straight (L)

## 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-05PMMP-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


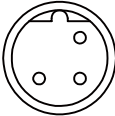
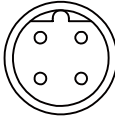
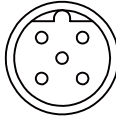
M12 B-Coded (Shielded)

Overmolded with Cable > Male / Female Connector | Field Installble > Male Connector

IP 65 . 67 . 68


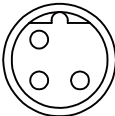
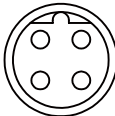
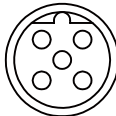
Receptacle | Unmated  
Overmolded with Cable | Mated  
Field Installable | Mated

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

 Straight				
Type		4A/250V	4A/250V	4A/60V
Without Strain Relief		-	-	MSBS-05BMMM-SL8XXX*

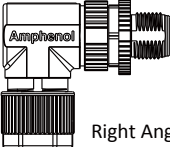
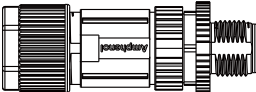
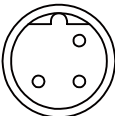
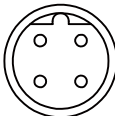
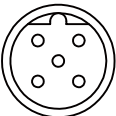
\* XXX: Choose the cable type and length:  
- PVC (UL2517 Black): 1M (D01) / 2M (D02) / 5M (D05) / 10M (D10)  
- PU (UL20549 Black): 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)

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

 Straight				
Type		4A/250V	4A/250V	4A/60V
Without Strain Relief		-	-	MSBS-05BFFM-SL8XXX*

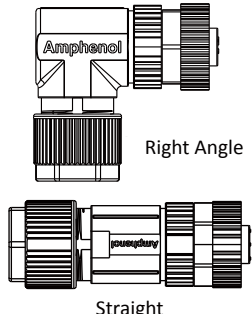
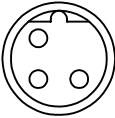
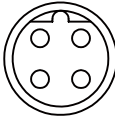
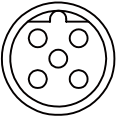
\* XXX: Choose the cable type and length:  
- PVC (UL2517 Black): 1M (D01) / 2M (D02) / 5M (D05) / 10M (D10)  
- PU (UL20549 Black): 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)

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

 Right Angle  Straight				
Type	Contact Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	Screw Type	-	-	MSBS-05BMMB-S87001

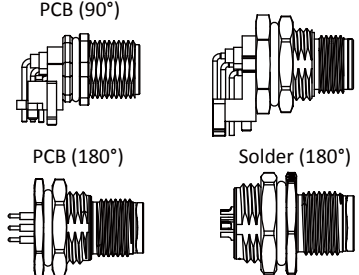
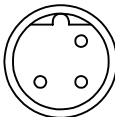
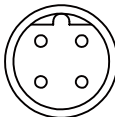
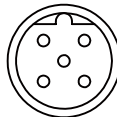
8 Right Angle (R) or Straight (L)

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

 <p>Right Angle</p> <p>Straight</p>				
Type	Contact Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	Screw Type	-	-	MSBS-05BFFB-S <sup>8</sup> 7001

<sup>8</sup> Right Angle (R) or Straight (L)

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

 <p>PCB (90°)</p> <p>PCB (180°)</p> <p>Solder (180°)</p> <p>Backshell: Hexagonal</p>				
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-SF8002
PCB Pin (90°)	M12	-	-	M12B-05PMMP-SF7003
	PG9	-	-	M12B-05PMMP-SF8001
	M16.0	-	-	M12B-05PMMP-SF8002
Solder Pin (180°)	PG9	M12B-03PMMS-S <sup>8</sup> 8001	M12B-04PMMS-S <sup>8</sup> 8001	M12B-05PMMS-S <sup>8</sup> 8001
	M16.0	M12B-03PMMS-S <sup>8</sup> 8002	M12B-04PMMS-S <sup>8</sup> 8002	M12B-05PMMS-S <sup>8</sup> 8002

<sup>8</sup> Front Fastened (F) or Rear Fastened (H)

## M12 B-Coded (Metal Nut)

Receptacle &gt; Female Connector | Receptacle with Wire Harness &gt; Male Connector

# IP 65 . 67 . 68

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

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

PCB (180°) / Front Fastened  PCB (180°) / Front Fastened  Solder (180°) / Rear Fastened  Backshell: Hexagonal				
Type	Mounting Thread	4A/250V	4A/250V	4A/60V
PCB Pin (180°)	PG9	M12B-03PFFP-SF8001	M12B-04PFFP-SF8001	M12B-05PFFP-SF8001
	M16.0	M12B-03PFFP-SF8002	M12B-04PFFP-SF8002	M12B-05PFFP-SF8001
PCB Pin (90°)	M12	-	-	M12B-05PFFR-SF7003
	PG9	-	-	M12B-05PFFR-SF8001
	M16.0	-	-	M12B-05PFFR-SF8002
Solder Pin (180°)	PG9	M12B-03PFFS-S8001	M12B-04PFFS-S8001	M12B-05PFFS-S8001
	M16.0	M12B-03PFFS-S8002	M12B-04PFFS-S8002	M12B-05PFFS-S8002

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

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

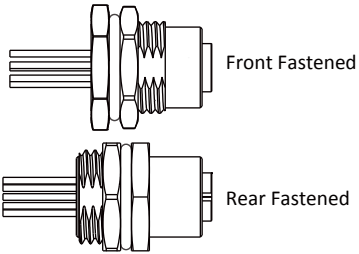
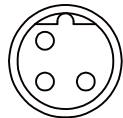

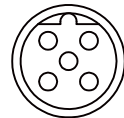
 Front Fastened  Rear Fastened Backshell: Hexagonal				
Wire Length (UL1007)*	Mounting Thread	4A/250V	4A/250V	4A/60V
150mm	PG9	M12B-03PMMC-S808B15	M12B-04PMMC-S808B15	M12B-05PMMC-S808B15
	M16.0	M12B-03PMMC-S808C15	M12B-04PMMC-S808C15	M12B-05PMMC-S808C15
300mm	PG9	M12B-03PMMC-S808B30	M12B-04PMMC-S808B30	M12B-05PMMC-S808B30
	M16.0	M12B-03PMMC-S808C30	M12B-04PMMC-S808C30	M12B-05PMMC-S808C30
500mm	PG9	M12B-03PMMC-S808B50	M12B-04PMMC-S808B50	M12B-05PMMC-S808B50
	M16.0	M12B-03PMMC-S808C50	M12B-04PMMC-S808C50	M12B-05PMMC-S808C50
1000mm	PG9	M12B-03PMMC-S808BA0	M12B-04PMMC-S808BA0	M12B-05PMMC-S808BA0
	M16.0	M12B-03PMMC-S808CA0	M12B-04PMMC-S808CA0	M12B-05PMMC-S808CA0
1500mm	PG9	M12B-03PMMC-S808BA5	M12B-04PMMC-S808BA5	M12B-05PMMC-S808BA5
	M16.0	M12B-03PMMC-S808CA5	M12B-04PMMC-S808CA5	M12B-05PMMC-S808CA5

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

\* Other wire types are available upon request.

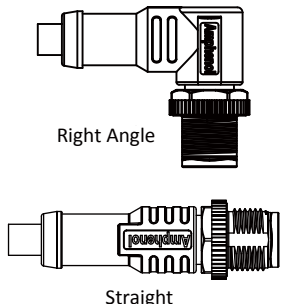
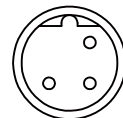
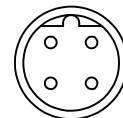
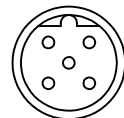


## M12 B-Code (Metal Nut) > Receptacle with Wire Harness > Female Connector

				
Wire Length (UL1007)*	Mounting Thread	4A/250V	4A/250V	4A/60V
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

				
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)

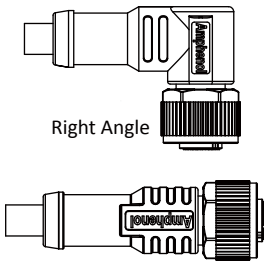
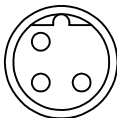
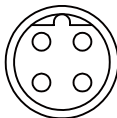

M12 B-Coded (Metal Nut)

Overmolded with Cable > Female Connector | Field Installable > Male Connector

IP 65 . 67 . 68

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

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

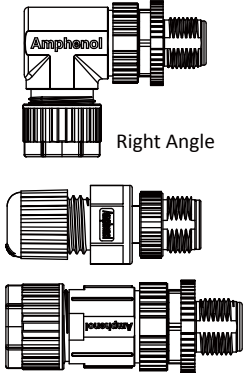
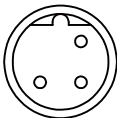
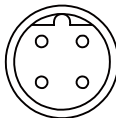
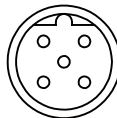
 Right Angle  Straight				
Type		4A/250V	4A/250V	4A/60V
Without Strain Relief		M12B-03BFFM-S 8 XXX*	M12B-04BFFM-S 8 XXX*	M12B-05BFFM-S 8 XXX*

8 Right Angle (R) or Straight (L)

\* XXX: Choose the cable type and length:

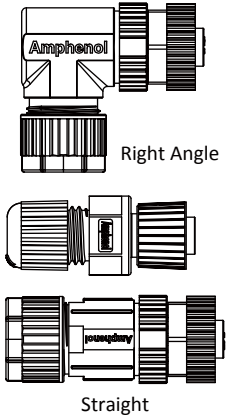
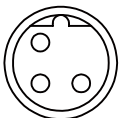
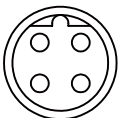

- PVC(UL2517 Yellow): 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU(UL20549 Black): 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)
- PVC(UL2517 Black): 1M (D01) / 2M (D02) / 5M (D05) / 10M (D10)

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

 Right Angle  Straight				
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

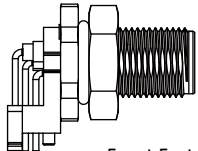
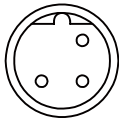
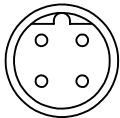
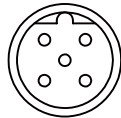
8 Right Angle (R) or Straight (L)

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

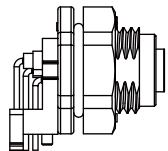
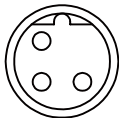
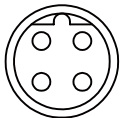

 <p>Right Angle</p> <p>Straight</p>				
Type	Contact Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	Solder Type	12B-03BFFA-SL8001	12B-04BFFA-SL8001	12B-05BFFA-SL8001
	Screw Type	-	-	M12B-05BFFB-S 8 7001

8 Right Angle (R) or Straight (L)

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

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

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

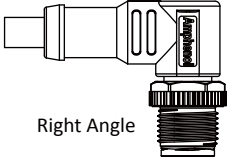
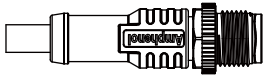
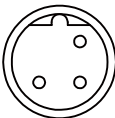
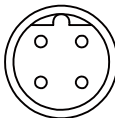
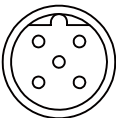
 <p>Front Fastened</p> <p>Backshell: Hexagonal</p>				
Type	Mounting Thread	4A/60V	4A/60V	4A/60V
PCB Pin (90°)	M12	-	-	MSBP-05PMMR-SF8003

**M12 B-Coded (Shielded)**

Overmolded with Cable &gt; Male / Female Connector

**IP 65 . 67 . 68**
 Receptacle | Unmated  
 Overmolded with Cable | Mated  
 Field Installable | Mated

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

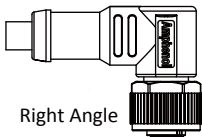
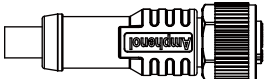
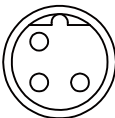
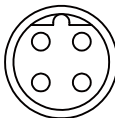

 Right Angle  Straight			
Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	MSBP-03BMMM-S <b>8</b> 8XXX*	MSBP-04BMMM-S <b>8</b> 8XXX*	MSBP-05BMMM-S <b>8</b> 8XXX*

**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**

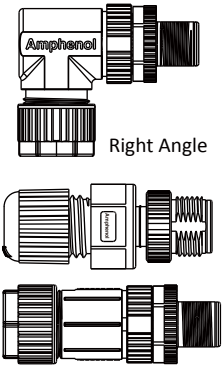
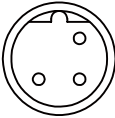
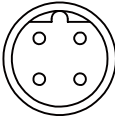
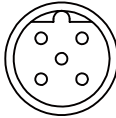
 Right Angle  Straight			
Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	MSBP-03BFFM-S <b>8</b> 8XXX*	MSBP-04BFFM-S <b>8</b> 8XXX*	MSBP-05BFFM-S <b>8</b> 8XXX*

**8** Right Angle (R) or Straight (L)

\* XXX: Choose the cable type and length:

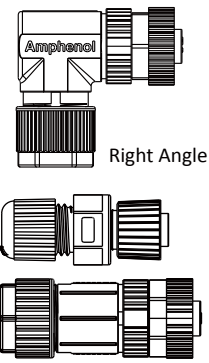
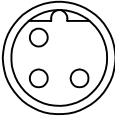
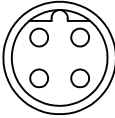

- PVC(UL2517 Yellow): 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU(UL20549 Black): 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)
- PVC(UL2517 Black): 1M (D01) / 2M (D02) / 5M (D05) / 10M (D10)

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

 <div>Right Angle</div> <div>Straight</div>				
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 <sup>8</sup> 7001

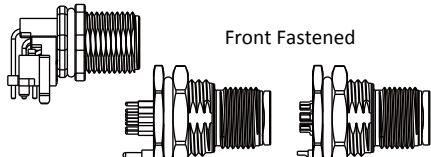
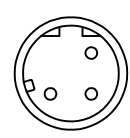
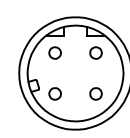
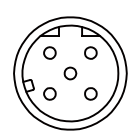
<sup>8</sup> Right Angle (R) or Straight (L)

### M12 B-Coded (Plastic) > Field Installable > Female Connector

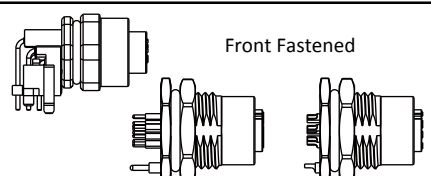
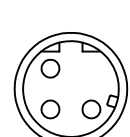
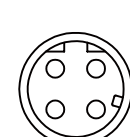
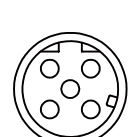
 <div>Right Angle</div> <div>Straight</div>				
Type	Contact Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	Solder Type	SBP-03BFFA-SL8001	SBP-04BFFA-SL8001	SBP-05BFFA-SL8001
	Screw Type	-	-	MSBP-05BFFB-S <sup>8</sup> 7001

<sup>8</sup> Right Angle (R) or Straight (L)

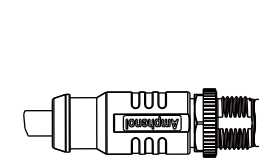
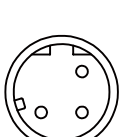
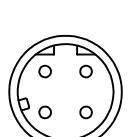
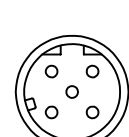
## M12 D-Coded (Shielded) > Receptacle > Male Connector

 <p>Front Fastened</p> <p>Backshell: Hexagonal</p>				
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

 <p>Front Fastened</p> <p>Backshell: Hexagonal</p>				
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

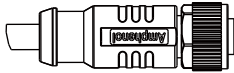
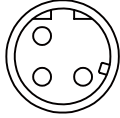
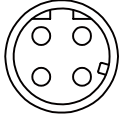

## M12 D-Coded (Shielded) > Overmolded with Cable > Male Connector

 <p>Straight</p>				
Type		4A/250V	4A/250V	4A/60V
Without Strain Relief		-	MSDS-04BMMM-SL8XXX*	-

\* XXX: Choose the cable type and length:

- PVC (UL2517 Black): 1M (D01) / 2M (D02) / 5M (D05) / 10M (D10)
- PU (UL20549 Black): 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)
- Cat5e (Black): 1M (E01)/2M (E02)/5M (E05)/10M (E10)

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

 Straight				
Type		4A/250V	4A/250V	4A/60V
Without Strain Relief		-	MSDS-04BFFM-SL8XXX*	-

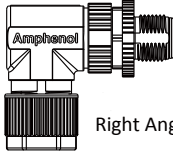
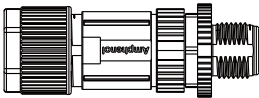
\* XXX: Choose the cable type and length:

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

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

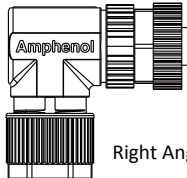
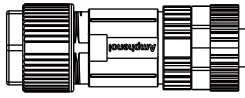
- Cat5e (Black): 1M (E01)/2M (E02)/5M (E05)/10M (E10)

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

 Right Angle				
 Straight				
Type	Contact Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	Screw Type	-	MSDS-04BMMB-S 87001	-

**8** Right Angle (R) or Straight (L)

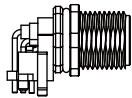
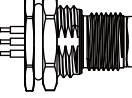
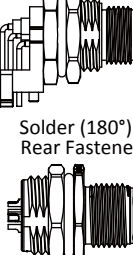
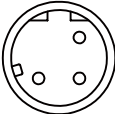
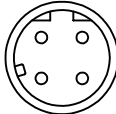
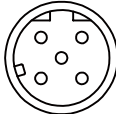
### M12 D-Coded (Shielded) > Field Installable > Female Connector

 Right Angle				
 Straight				
Type	Contact Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	Screw Type	-	MSDS-04BFFB-S 87001	-

**8** Right Angle (R) or Straight (L)

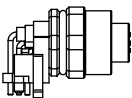
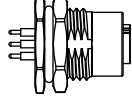
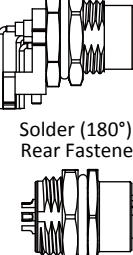
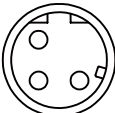
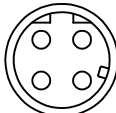

[Note] Design and specification are subject to change without notice.

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

PCB (90°) / Front Fastened  PCB (180°) / Front Fastened  Solder (180°) / Rear 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-04PMMP-SF7003	-
	PG9	-	M12D-04PMMP-SF8001	-
	M16.0	-	M12D-04PMMP-SF8002	-
Solder Pin (180°)	PG9	M12D-03PMMS-S <sup>8</sup> 8001	M12D-04PMMS-S <sup>8</sup> 8001	M12D-05PMMS-S <sup>8</sup> 8001
	M16.0	M12D-03PMMS-S <sup>8</sup> 8002	M12D-04PMMS-S <sup>8</sup> 8002	M12D-05PMMS-S <sup>8</sup> 8002

<sup>8</sup> Front Fastened (F) or Rear Fastened (H)

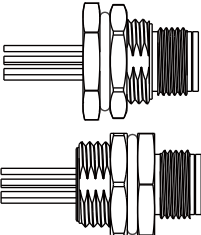
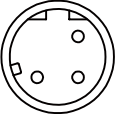
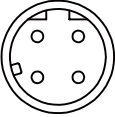
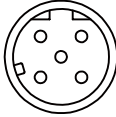
## M12 D-Coded (Metal Nut) > Receptacle > Female Connector

PCB (90°) / Front Fastened  PCB (180°) / Front Fastened  Solder (180°) / Rear Fastened 				
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-04PFFP-SF7003	-
	PG9	-	M12D-04PFFP-SF8001	-
	M16.0	-	M12D-04PFFP-SF8002	-
Solder Pin (180°)	PG9	M12D-03PFFS-S <sup>8</sup> 8001	M12D-04PFFS-S <sup>8</sup> 8001	M12D-05PFFS-S <sup>8</sup> 8001
	M16.0	M12D-03PFFS-S <sup>8</sup> 8002	M12D-04PFFS-S <sup>8</sup> 8002	M12D-05PFFS-S <sup>8</sup> 8002

<sup>8</sup> Front Fastened (F) or Rear Fastened (H)

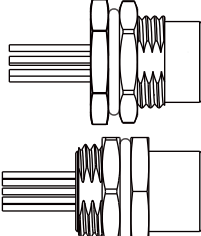
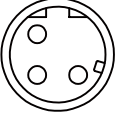
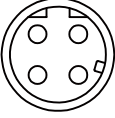



## ➤ M12 D-Coded (Metal Nut) > Receptacle with Wire Harness > Male Connector

 <p>Front Fastened</p> <p>Rear Fastened</p> <p>Backshell: Hexagonal</p>				
Wire Length (UL1007)*	Mounting Thread	4A/250V	4A/250V	4A/60V
150mm	PG9	M12D-03PMMC-S 8 8B15	M12D-04PMMC-S 8 8B15	M12D-05PMMC-S 8 8B15
	M16.0	M12D-03PMMC-S 8 8C15	M12D-04PMMC-S 8 8C15	M12D-05PMMC-S 8 8C15
300mm	PG9	M12D-03PMMC-S 8 8B30	M12D-04PMMC-S 8 8B30	M12D-05PMMC-S 8 8B30
	M16.0	M12D-03PMMC-S 8 8C30	M12D-04PMMC-S 8 8C30	M12D-05PMMC-S 8 8C30
500mm	PG9	M12D-03PMMC-S 8 8B50	M12D-04PMMC-S 8 8B50	M12D-05PMMC-S 8 8B50
	M16.0	M12D-03PMMC-S 8 8C50	M12D-04PMMC-S 8 8C50	M12D-05PMMC-S 8 8C50
1000mm	PG9	M12D-03PMMC-S 8 8BA0	M12D-04PMMC-S 8 8BA0	M12D-05PMMC-S 8 8BA0
	M16.0	M12D-03PMMC-S 8 8CA0	M12D-04PMMC-S 8 8CA0	M12D-05PMMC-S 8 8CA0
1500mm	PG9	M12D-03PMMC-S 8 8BA5	M12D-04PMMC-S 8 8BA5	M12D-05PMMC-S 8 8BA5
	M16.0	M12D-03PMMC-S 8 8CA5	M12D-04PMMC-S 8 8CA5	M12D-05PMMC-S 8 8CA5

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

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

 <p>Front Fastened</p> <p>Rear Fastened</p> <p>Backshell: Hexagonal</p>				
Wire Length (UL1007)*	Mounting Thread	4A/250V	4A/250V	4A/60V
150mm	PG9	M12D-03PFFC-S 8 8B15	M12D-04PFFC-S 8 8B15	M12D-05PFFC-S 8 8B15
	M16.0	M12D-03PFFC-S 8 8C15	M12D-04PFFC-S 8 8C15	M12D-05PFFC-S 8 8C15
300mm	PG9	M12D-03PFFC-S 8 8B30	M12D-04PFFC-S 8 8B30	M12D-05PFFC-S 8 8B30
	M16.0	M12D-03PFFC-S 8 8C30	M12D-04PFFC-S 8 8C30	M12D-05PFFC-S 8 8C30
500mm	PG9	M12D-03PFFC-S 8 8B50	M12D-04PFFC-S 8 8B50	M12D-05PFFC-S 8 8B50
	M16.0	M12D-03PFFC-S 8 8C50	M12D-04PFFC-S 8 8C50	M12D-05PFFC-S 8 8C50
1000mm	PG9	M12D-03PFFC-S 8 8BA0	M12D-04PFFC-S 8 8BA0	M12D-05PFFC-S 8 8BA0
	M16.0	M12D-03PFFC-S 8 8CA0	M12D-04PFFC-S 8 8CA0	M12D-05PFFC-S 8 8CA0
1500mm	PG9	M12D-03PFFC-S 8 8BA5	M12D-04PFFC-S 8 8BA5	M12D-05PFFC-S 8 8BA5
	M16.0	M12D-03PFFC-S 8 8CA5	M12D-04PFFC-S 8 8CA5	M12D-05PFFC-S 8 8CA5

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

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

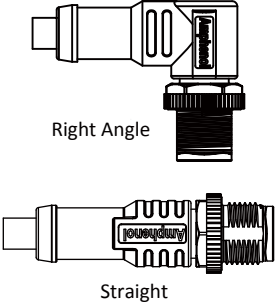
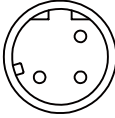
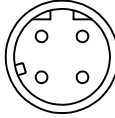
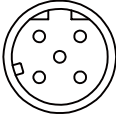
M12 D-Coded (Metal Nut)

Overmolded with Cable > Male / Female Connector

IP 65 . 67 . 68

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

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

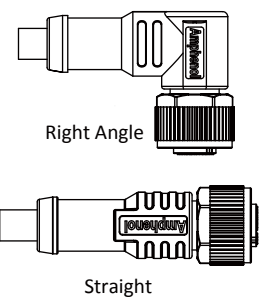
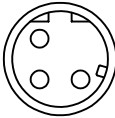
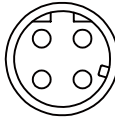
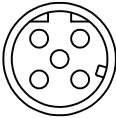
 <p>Right Angle</p> <p>Straight</p>			
Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	M12D-03BMMM-S 8 XXX*	M12D-04BMMM-S 8 XXX*	M12D-05BMMM-S 8 XXX*

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 (Metal Nut) > Overmolded with Cable > Female Connector

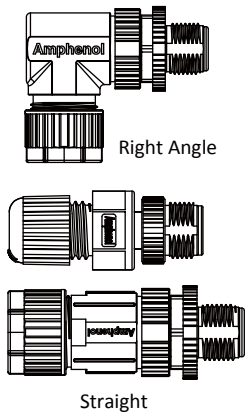
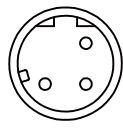
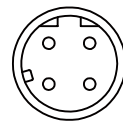
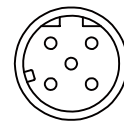
 <p>Right Angle</p> <p>Straight</p>			
Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	M12D-03BFFM-S 8 XXX*	M12D-04BFFM-S 8 XXX*	M12D-05BFFM-S 8 XXX*

8 Right Angle (R) or Straight (L)

\* XXX: Choose the cable type and length:

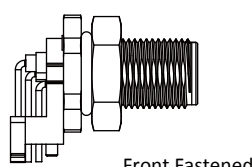
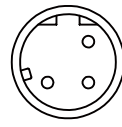
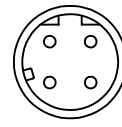
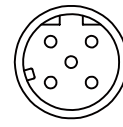
- PVC(UL2517 Yellow): 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU(UL20549 Black): 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)
- PVC(UL2517 Black): 1M (D01) / 2M (D02) / 5M (D05) / 10M (D10)

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

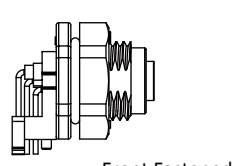
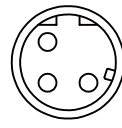
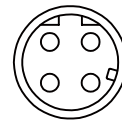
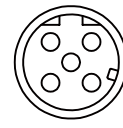
 <p>Right Angle</p> <p>Straight</p>				
Type	Contact Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	Solder Type	12D-03BMMA-SL8001	12D-04BMMA-SL8001	12D-05BMMA-SL8001
	Screw Type	-	M12D-04BMMB-S87001	-

**8** Right Angle (R) or Straight (L)

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

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

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

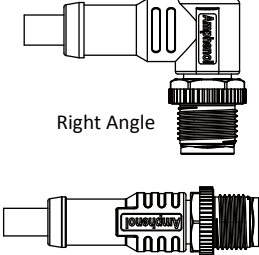
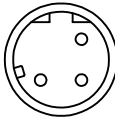
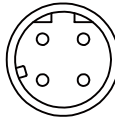
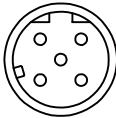
M12 D-Coded (Plastic)

Overmolded with Cable > Male / Female Connector

IP 65 . 67 . 68

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

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

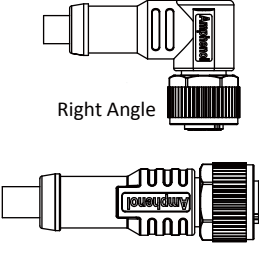
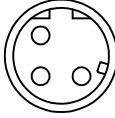
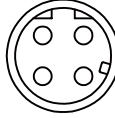

 Right Angle  Straight			
	Type 4A/250V	Type 4A/250V	Type 4A/60V
Without Strain Relief	MSDP-03BMMM-S 8 XXX*	MSDP-04BMMM-S 8 XXX*	MSDP-05BMMM-S 8 XXX*

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

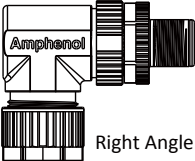
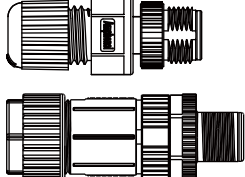
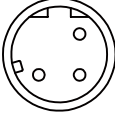
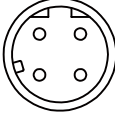
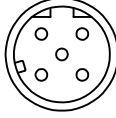

 Right Angle  Straight			
	Type 4A/250V	Type 4A/250V	Type 4A/60V
Without Strain Relief	MSDP-03BFFM-S 8 XXX*	MSDP-04BFFM-S 8 XXX*	MSDP-05BFFM-S 8 XXX*

8 Right Angle (R) or Straight (L)

\* XXX: Choose the cable type and length:

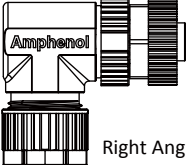
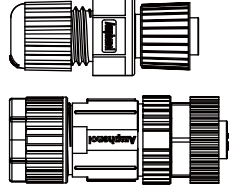
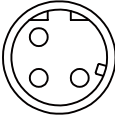
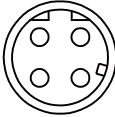
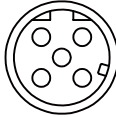

- PVC(UL2517 Yellow): 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU(UL20549 Black): 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)
- PVC(UL2517 Black): 1M (D01) / 2M (D02) / 5M (D05) / 10M (D10)

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

 Right Angle   Straight				
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  7001	-

 Right Angle (R) or Straight (L)

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

 Right Angle   Straight				
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  7001	-

 Right Angle (R) or Straight (L)

## M12 I Style (Metal)

Receptacle &gt; Male / Female Connector (Housing) |

Overmolded with Cable &gt; Male / Female Connector (Housing)

# IP 65 . 67 . 68

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

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

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

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

Right Angle	
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)

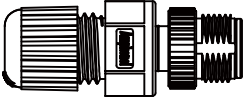
\* XXX: Choose the cable type and length

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

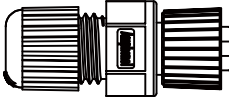
- PU: 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)

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

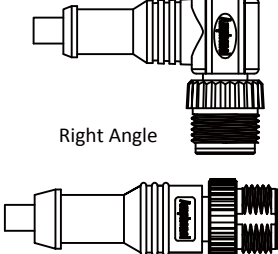
### M12 I Style (Metal) > Field Installable > Male Connector (Housing)

	
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)

	
Right Angle	
Straight	
Male+Female Contact	
Type	4A/250V
Without Strain Relief	MSIP-05BMIM-S <sup>8</sup> 8XXX*

<sup>8</sup> Right Angle (R) or Straight (L)

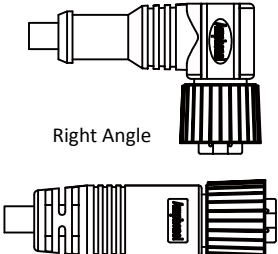
\* XXX: Choose the cable type and length

- 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)

	
Right Angle	
Straight	
Male+Female Contact	
Type	4A/60V
Without Strain Relief	MSIP-05BFIM-S <sup>8</sup> 8XXX*

<sup>8</sup> 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 S-Coded (Metal Nut)

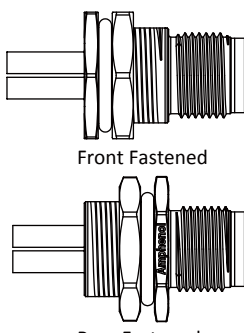

Receptacle with Wire Harness &gt; Male / Female Connector |

Field Installable &gt; Male / Female Connector

# IP 65 . 67 . 68

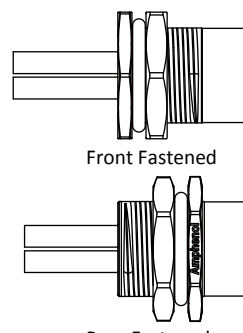

Receptacle | Unmated  
Overmolded with Cable | Mated  
Field Installable | Mated

### M12 S-Coded (Metal Nut) > Receptacle with Wire Harness > Male Connector

 <p>Front Fastened</p> <p>Rear Fastened</p>		
Backshell: Hexagonal		
Wire Length (UL 1015)*	Mounting Thread	12A/630V
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

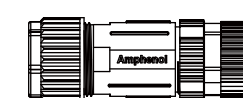

 <p>Front Fastened</p> <p>Rear Fastened</p>		
Backshell: Hexagonal		
Wire Length (UL 1015)*	Mounting Thread	12A/630V
150mm	PG9	M12S-04PFFS-S 8B15
	M16.0	M12S-04PFFS-S 8C15
300mm	PG9	M12S-04PFFS-S 8B30
	M16.0	M12S-04PFFS-S 8C30
500mm	PG9	M12S-04PFFS-S 8B50
	M16.0	M12S-04PFFS-S 8C50
1000mm	PG9	M12S-04PFFS-S 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

 <p>Straight</p>		
Type	Contact Type	12A/630V
Without Strain Relief	Screw Type	M12S-04BMMB-SL7002

### M12 S-Coded (Metal Nut) > Field Installable > Female Connector

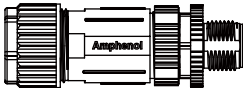

 <p>Straight</p>		
Type	Contact Type	12A/630V
Without Strain Relief	Screw Type	M12S-04BFFB-SL7002



### M12 S-Coded (Plastic)

> Field Installable

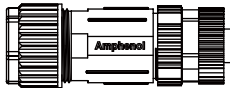

> Male Connector

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

### M12 S-Coded (Plastic)

> Field Installable

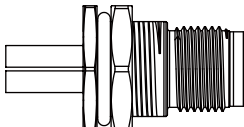
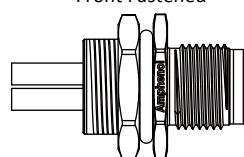

> Female Connector

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

### M12 T-Coded (Metal Nut)

> Receptacle with Wire Harness

> Male Connector

 <p>Front Fastened</p>  <p>Rear Fastened</p>		
Backshell: Hexagonal		
Wire Length (UL1015)*	Mounting Thread	12A/630V
150mm	PG9	M12T-04PMMS-S 8 8B15
	M16.0	M12T-04PMMS-S 8 8C15
300mm	PG9	M12T-04PMMS-S 8 8B30
	M16.0	M12T-04PMMS-S 8 8C30
500mm	PG9	M12T-04PMMS-S 8 8B50
	M16.0	M12T-04PMMS-S 8 8C50
1000mm	PG9	M12T-04PMMS-S 8 8BA0
	M16.0	M12T-04PMMS-S 8 8CA0
1500mm	PG9	M12T-04PMMS-S 8 8BA5
	M16.0	M12T-04PMMS-S 8 8CA5

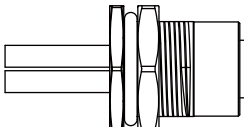
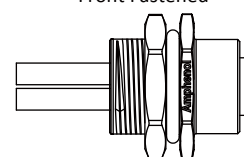

8 Front Fastened (F) or Rear Fastened (H)

\* Other wire types are available upon request.

### M12 T-Coded (Metal Nut)

> Receptacle with Wire Harness

> Female Connector

 <p>Front Fastened</p>  <p>Rear Fastened</p>		
Backshell: Hexagonal		
Wire Length (UL1015)*	Mounting Thread	12A/630V
150mm	PG9	M12T-04PFFS-S 8 8B15
	M16.0	M12T-04PFFS-S 8 8C15
300mm	PG9	M12T-04PFFS-S 8 8B30
	M16.0	M12T-04PFFS-S 8 8C30
500mm	PG9	M12T-04PFFS-S 8 8B50
	M16.0	M12T-04PFFS-S 8 8C50
1000mm	PG9	M12T-04PFFS-S 8 8BA0
	M16.0	M12T-04PFFS-S 8 8CA0
1500mm	PG9	M12T-04PFFS-S 8 8BA5
	M16.0	M12T-04PFFS-S 8 8CA5

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

\* Other wire types are available upon request.

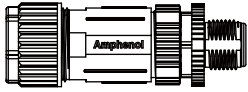

**M12 T-Coded (Metal Nut) | M12 T-Coded (Plastic) |  
M12 X-Coded (Shielded)**

Field Installable > Male / Female Connector | Receptacle > Female Connector |  
Overmolded with Cable > Male Connector

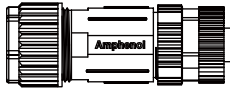

**IP 65 . 67 . 68**

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

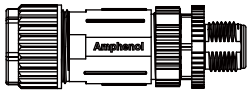

└ **M12 T-Coded (Metal Nut)**  
└ **> Field Installable**  
└ **> Male Connector**

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

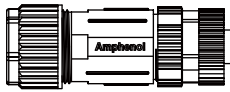

└ **M12 T-Coded (Metal Nut)**  
└ **> Field Installable**  
└ **> Female Connector**

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

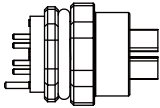

└ **M12 T-Coded (Plastic)**  
└ **> Field Installable**  
└ **> Male Connector**

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

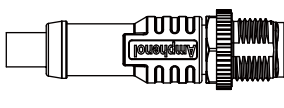

└ **M12 T-Coded (Plastic)**  
└ **> Field Installable**  
└ **> Female Connector**

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

└ **M12 X-Coded (Shielded)**  
└ **> Receptacle**  
└ **> Female Connector**

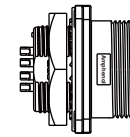
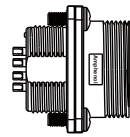


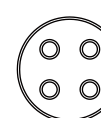

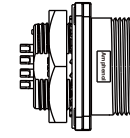
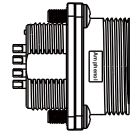

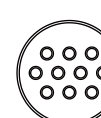
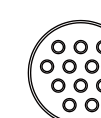
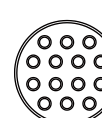
		
Front Fastened		
Type	Mounting Thread	0.5A/48V
PCB Pin (180°)	M12	MSXS-08PFPF-SF7001

└ **M12 X-Coded (Shielded)**  
└ **> Overmolded with Cable**  
└ **> Male Connector**

		
Straight		
Type	0.5A/48V	
Without Strain Relief	MSXS-08BMMM-SL8XXX*	
Double ended cable	MSXS8ML-SXSML-SGXXXX**	

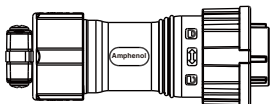

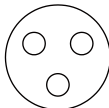
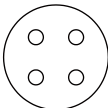
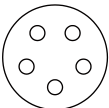
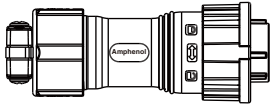
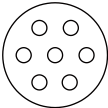
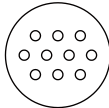
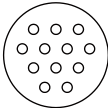
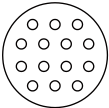
\* XXX: Choose the cable length:  
1M (X01) / 2M (X02) / 5M (X05) / 10M (X10)  
\*\* XXXX: Choose the cable length  
1M (G010) / 2M (G020) / 5M (G050) / 10M (G100)

## Heavy Duty Shielded Connector > Receptacle > Male Connector

<div></div> <div>Front Fastened      Rear Fastened</div> <div>Backshell: Square Mating style: Screw Thread Fastened Screw: M3*4 pics Mounting Thread: M20</div>						
Current Rating & Voltage	Contact Type	Salt Spray Test				
5A/250V	Solder Pin / Female	48H	-	-	-	-
		500H	-	-	-	-
48H		-	-	LB20-04PMFS-S <sup>8</sup> 8001	LB20-05PMFS-S <sup>8</sup> 8001	
500H		-	-	HB20-04PMFS-S <sup>8</sup> 8001	HB20-05PMFS-S <sup>8</sup> 8001	
20A/300V		48H	LC20-02PMFS-S <sup>8</sup> 8001	LC20-03PMFS-S <sup>8</sup> 8001	-	-
		500H	HC20-02PMFS-S <sup>8</sup> 8001	HC20-03PMFS-S <sup>8</sup> 8001	-	-
<div></div> <div>Front Fastened      Rear Fastened</div> <div>Backshell: Square Mating style: Screw Thread Fastened Screw: M3*4 pics Mounting Thread: M20</div>						
Current Rating & Voltage	Contact Type	Salt Spray Test				
5A/250V	Solder Pin / Female	48H	-	LD20-10PMFS-S <sup>8</sup> 8001	LD20-12PMFS-S <sup>8</sup> 8001	LD20-14PMFS-S <sup>8</sup> 8001
		500H	-	HD20-10PMFS-S <sup>8</sup> 8001	HD20-12PMFS-S <sup>8</sup> 8001	HD20-14PMFS-S <sup>8</sup> 8001
48H		LB20-07PMFS-S <sup>8</sup> 8001	-	-	-	
500H		HB20-07PMFS-S <sup>8</sup> 8001	-	-	-	
20A/300V		48H	-	-	-	-
		500H	-	-	-	-

<sup>8</sup> Front Fastened (W) or Rear Fastened (N)

## **Heavy Duty Shielded Connector > Field Installable > Female Connector (Housing)**

 <p>Straight</p>						
Without Strain Relief						
Current Rating & Voltage	Contact Type	Salt Spray Test				
5A/250V	Solder Type / Male	48H	-	-	-	-
		500H	-	-	-	-
10A/250V	Solder Type / Male	48H	-	-	LB20-04BFMA-SL8001	LB20-05BFMA-SL8001
		500H	-	-	HB20-04BFMA-SL8001	HB20-05BFMA-SL8001
20A/300V	Solder Type / Male	48H	LC20-02BFMA-SL8001	LC20-03BFMA-SL8001	-	-
		500H	HC20-02BFMA-SL8001	HC20-03BFMA-SL8001	-	-
 <p>Straight</p>						
Without Strain Relief						
Current Rating & Voltage	Contact Type	Salt Spray Test				
5A/250V	Solder Type / Male	48H	-	LD20-10BFMA-SL8001	LD20-12BFMA-SL8001	LD20-14BFMA-SL8001
		500H	-	HD20-10BFMA-SL8001	HD20-12BFMA-SL8001	HD20-14BFMA-SL8001
10A/250V	Solder Type / Male	48H	LB20-07BFMA-SL8001	-	-	-
		500H	HB20-07BFMA-SL8001	-	-	-
20A/300V	Solder Type / Male	48H	-	-	-	-
		500H	-	-	-	-

### M23 (Shielded)

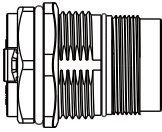
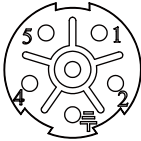
Receptacle (Field Installable Type) &gt; Male Connector (Housing) |

Field Installable &gt; Female Connector (Housing)

#### ┘ M23 (Shielded)

&gt; Receptacle (Field Installable Type)

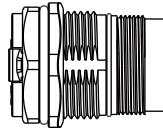

&gt; Male Connector (Housing)

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

#### ┘ M23 (Shielded)

&gt; Receptacle (Field Installable Type)

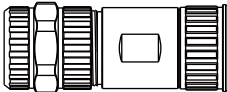

&gt; Male Connector (Housing)

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

#### ┘ M23 (Shielded)

&gt; Field Installable

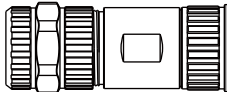

&gt; Female Connector (Housing)

 <p>Front Fastened</p>		
Backshell: Hexagonal		
Type	Contact Type	Contact Gender
Without Strain Relief	Crimp Pin	Male
		12A/630V
		LJ23-06DFMC-SL7001
		LJ23-06DFMC-SL7002

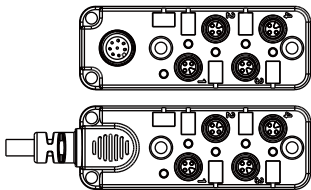
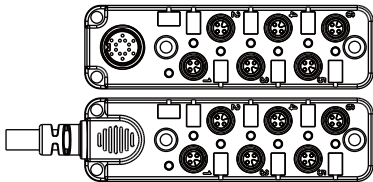
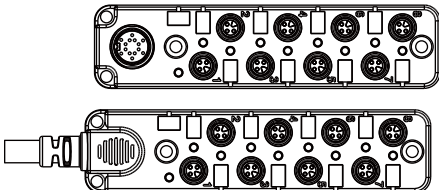
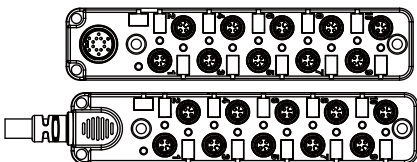
#### ┘ M23 (Shielded)

&gt; Field Installable

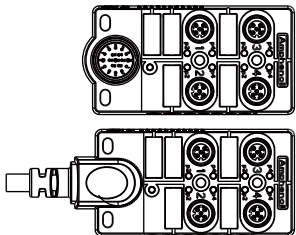
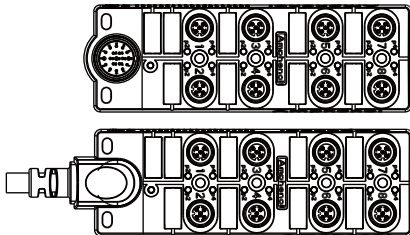
&gt; Female Connector (Housing)

 <p>Front Fastened</p>		
Backshell: Hexagonal		
Type	Contact Type	Contact Gender
Without Strain Relief	Crimp Pin	Female
		12A/630V
		LJ23-06DFFC-SL7001
		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*

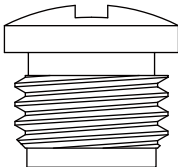
## M12 Distribution Box > M23 Homerun

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

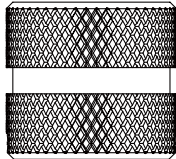
# Accessories

## Waterproof Cap

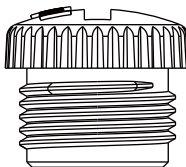
Customized – Upon Request



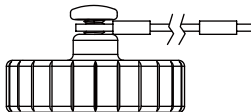
M8 (For Female)



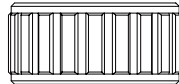
M10.5 (For Male)



M12 (For Female)



M22 (For Male) / Cap With Fish Line



M23 (For Male)

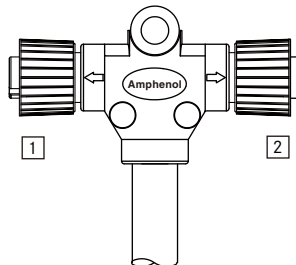
Size		Mating Pair	Mating Style	Mating Pair (Gender)	P/N
M8		Overmolded with Cable	Screw Thread	Female	CAP-WBBFSCC 1
		Receptacle and Overmolded with Cable	Screw Thread	Male	CAP-WBBMSMA 1
				Female	CAP-WBBFSMA 1
M10.5		Receptacle and Overmolded with Cable	Screw Thread	Male	CAP-WBCMSMA2
M12	A/B/D Code I Style	Receptacle	Screw Thread	Male	CAP-WBDPMSB 1
		Receptacle and Overmolded with Cable		Male	CAP-WBDMSMA ⑦
				Female	CAP-WBDFSMA ⑦
M12 (Plastic)	A/B/D Code I Style	Receptacle and Overmolded with Cable	Screw Thread	Male	CAP-WBDMSMA ⑦
				Female	CAP-WBDFSMA ⑦
M22		Receptacle	Screw Thread	Male	CAP-WHBMSPD 1
M23		Receptacle and Overmolded with Cable	Screw Thread	Male	CAP-WBHMSMA 1

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)

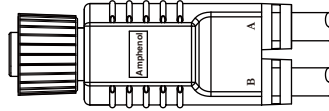
\*XX: Choose the cable length: 0.1-9.9 m / PVC UL2464 Cable

Type		Current Rating	Contacts <b>2</b>	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)	
M 12	A Code	4A	03,04,05	Screw Thread	SS- <b>2 3</b> 00-MM0-TSAXX*	SS- <b>2 3</b> 00-FF0-TSAXX*	SS- <b>2 3</b> 00- <b>6 7</b> 0-TSAXX*
		2A	08		SS-080800-MM0-TSAXX*	SS-080800-FF0-TSAXX*	SS-080800- <b>6 7</b> 0-TSAXX*
	B Code	4A	04,05		SB- <b>2 3</b> 00-MM0-TSAXX*	SB- <b>2 3</b> 00-FF0-TSAXX*	SB- <b>2 3</b> 00- <b>6 7</b> 0-TSAXX*
	D Code	4A	04,05		SD- <b>2 3</b> 00-MM0-TSAXX*	SD- <b>2 3</b> 00-FF0-TSAXX*	SD- <b>2 3</b> 00- <b>6 7</b> 0-TSAXX*
	I Style	4A	05		SI-050500-KK0-TSAXX*	SI-050500-ZZ0-TSAXX*	SI-050500- <b>6 7</b> 0-TSAXX*
M 12 (Plastic)	A Code	4A	03,04,05	Screw Thread	PS- <b>2 3</b> 00-MM0-TSAXX*	PS- <b>2 3</b> 00-FF0-TSAXX*	PS- <b>2 3</b> 00- <b>6 7</b> 0-TSAXX*
		2A	08		PS-080800-MM0-TSAXX*	PS-080800-FF0-TSAXX*	PS-080800- <b>6 7</b> 0-TSAXX*
	B Code	4A	04,05		PB- <b>2 3</b> 00-MM0-TSAXX*	PB- <b>2 3</b> 00-FF0-TSAXX*	PB- <b>2 3</b> 00- <b>6 7</b> 0-TSAXX*
	D Code	4A	04,05		PD- <b>2 3</b> 00-MM0-TSAXX*	PD- <b>2 3</b> 00-FF0-TSAXX*	PD- <b>2 3</b> 00- <b>6 7</b> 0-TSAXX*
	I Style	4A	05		PI-050500-KK0-TSAXX*	PI-050500-ZZ0-TSAXX*	PI-050500- <b>6 7</b> 0-TSAXX*



## M12 > Y-Cable

 Customized – Upon Request

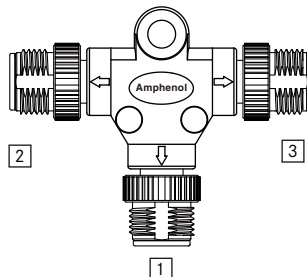


\*XX: Choose the cable length:01-99 m / PVC UL2464 Cable

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

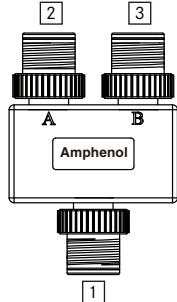
K: Connector (Male) + Contact (Male+Female)

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

Type		Current Rating	Contacts <b>2</b>	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- <b>2 2 2</b> -MMM-TS001	SS- <b>2 2 2</b> -FFF-TS001	SS- <b>2 2 2</b> - <b>5 6 7</b> -TS001
		2A	08	Screw Thread	SS-080808-MMM-TS001	SS-080808-FFF-TS001	SS-080808- <b>5 6 7</b> -TS001
	B Code	4A	04,05	Screw Thread	SB- <b>2 2 2</b> -MMM-TS001	SB- <b>2 2 2</b> -FFF-TS001	SB- <b>2 2 2</b> - <b>5 6 7</b> -TS001
	D Code	4A	04,05	Screw Thread	SD- <b>2 2 2</b> -MMM-TS001	SD- <b>2 2 2</b> -FFF-TS001	SD- <b>2 2 2</b> - <b>5 6 7</b> -TS001
	I Style	4A	05	Screw Thread	SI-050505-KKK-TS001	SI-050505-ZZZ-TS001	SI-050505- <b>5 6 7</b> -TS001
M12 (Plastic)	A Code	4A	03,04,05	Screw Thread	PS- <b>2 2 2</b> -MMM-TS001	PS- <b>2 2 2</b> -FFF-TS001	PS- <b>2 2 2</b> - <b>5 6 7</b> -TS001
		2A	08	Screw Thread	PS-080808-MMM-TS001	PS-080808-FFF-TS001	PS-080808- <b>5 6 7</b> -TS001
	B Code	4A	04,05	Screw Thread	PB- <b>2 2 2</b> -MMM-TS001	PB- <b>2 2 2</b> -FFF-TS001	PB- <b>2 2 2</b> - <b>5 6 7</b> -TS001
	D Code	4A	04,05	Screw Thread	PD- <b>2 2 2</b> -MMM-TS001	PD- <b>2 2 2</b> -FFF-TS001	PD- <b>2 2 2</b> - <b>5 6 7</b> -TS001
	I Style	4A	05	Screw Thread	PI-050505-KKK-TS001	PI-050505-ZZZ-TS001	PI-050505- <b>5 6 7</b> -TS001

## M12 > Y-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-222-MMM-YS001	SS-222-FFF-YS001	SS-222-567-YS001
		2A	08	Screw Thread	SS-080808-MMM-YS001	SS-080808-FFF-YS001	SS-080808-567-YS001
	B Code	4A	04,05	Screw Thread	SB-222-MMM-YS001	SB-222-FFF-YS001	SB-222-567-YS001
	D Code	4A	04,05	Screw Thread	SD-222-MMM-YS001	SD-222-FFF-YS001	SD-222-567-YS001
	I Style	4A	05	Screw Thread	SI-050505-KKK-YS001	SI-050505-ZZZ-YS001	SI-050505-567-YS001
M12 (Plastic)	A Code	4A	03,04,05	Screw Thread	PS-222-MMM-YS001	PS-222-FFF-YS001	PS-222-567-YS001
		2A	08	Screw Thread	PS-080808-MMM-YS001	PS-080808-FFF-YS001	PS-080808-567-YS001
	B Code	4A	04,05	Screw Thread	PB-222-MMM-YS001	PB-222-FFF-YS001	PB-222-567-YS001
	D Code	4A	04,05	Screw Thread	PD-222-MMM-YS001	PD-222-FFF-YS001	PD-222-567-YS001
	I Style	4A	05	Screw Thread	PI-050505-KKK-YS001	PI-050505-ZZZ-YS001	PI-050505-567-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

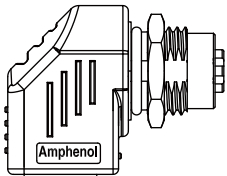
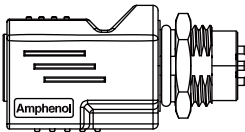
I Style

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

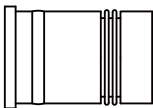
Z: Connector (Female) + Contact (Male+Female)

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
M12	A Code	4A	03,04,05	Screw Thread	SS-0033-OMM-IS001	SS-0033-OFF-IS001	SS-0033-067-IS001
		2A	08	Screw Thread	SS-000808-OMM-IS001	SS-000808-OFF-IS001	SS-000808-067-IS001
	B Code	4A	04,05	Screw Thread	SB-0033-OMM-IS001	SB-0033-OFF-IS001	SB-0033-067-IS001
	D Code	4A	04,05	Screw Thread	SD-0033-OMM-IS001	SD-0033-OFF-IS001	SD-0033-067-IS001
	I Style	4A	05	Screw Thread	SI-000505-0KK-IS001	SI-000505-0ZZ-IS001	SI-000505-0KZ-IS001 SI-000505-0ZK-IS001
M12 (Plastic)	A Code	4A	03,04,05	Screw Thread	PS-0033-OMM-IS001	PS-0033-OFF-IS001	PS-0033-067-IS001
		2A	08	Screw Thread	PS-000808-OMM-IS001	PS-000808-OFF-IS001	PS-000808-067-IS001
	B Code	4A	04,05	Screw Thread	PB-0033-OMM-IS001	PB-0033-OFF-IS001	PB-0033-067-IS001
	D Code	4A	04,05	Screw Thread	PD-0033-OMM-IS001	PD-0033-OFF-IS001	PD-0033-067-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

■ 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
M12 A Code(A)	004,005,008	SLD-②③001
M12 B Code(B)	004,005	
M12 D Code(D)	004,005	
M12 I Style(I)	0'05	

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