

SM C10 M8 CONNECTORS



Pins number: 3-8 Pins

Most connectors are excellent for full shielding at 360 degrees

Plug: assembly, overmolded cable type (length can be customized at will)

Socket: Front Mount Solder Type, Back Mount Solder Type and PCB board type

IP65 IP67

Waterproof grade: IP65 IP67

IEC 61076-2-104

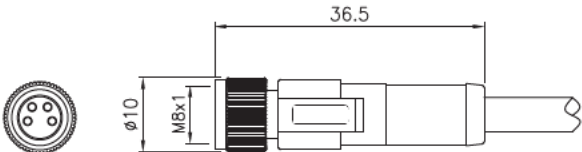
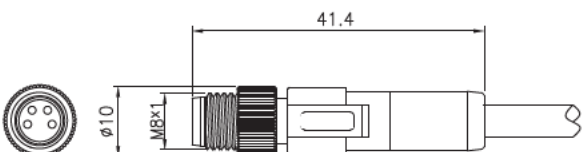
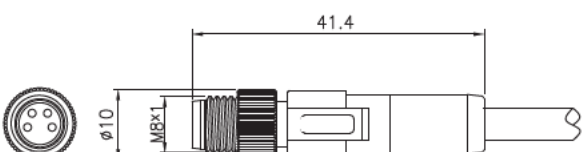
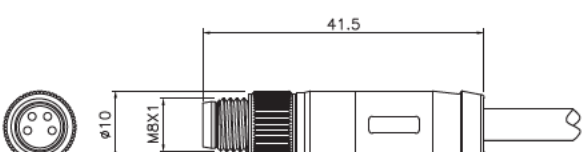
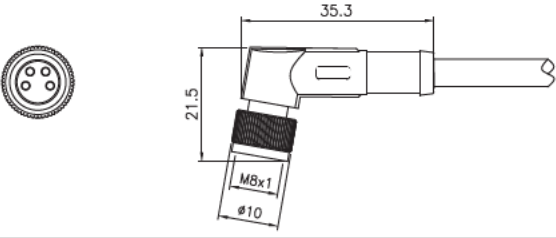
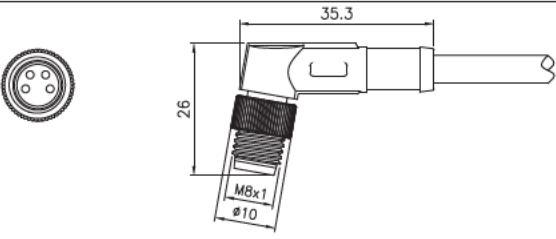
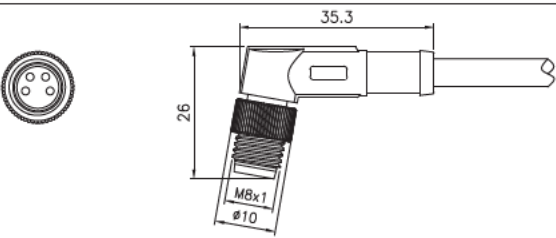
The products comply with IEC 61076-2-104 standard



Product Parameters

Shell material	Brass nickel plated	Contact impedance	$\leq 3\text{m}\Omega$
Sealing material	Epoxy resin/Rubber	Durability	≥ 500 (Cycles)
Contact material	Phosphorus copper gold-plate Brass copper gold-plated	Insulation impedance	$\geq 100\text{M}\Omega$
Insulator material	PA66	Applicable temperature	$-25^{\circ}\text{C} \sim +85^{\circ}\text{C}$
Molding material	TPU/PVC		

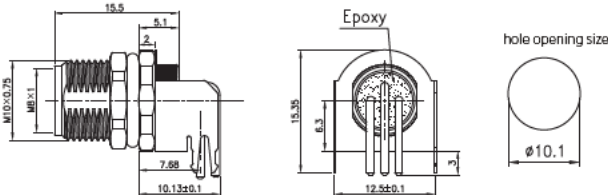
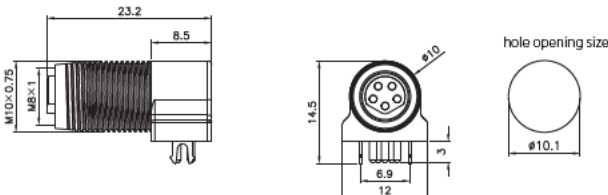
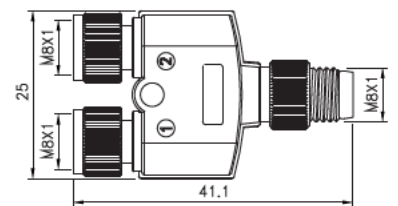
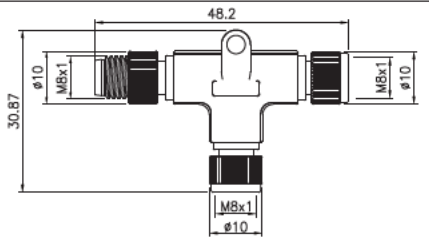
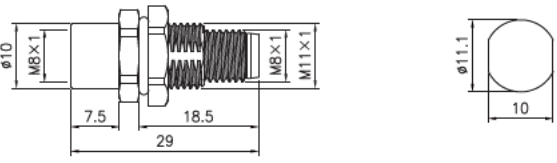
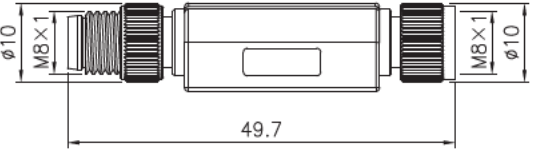
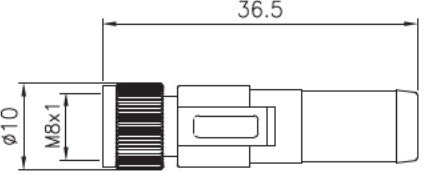
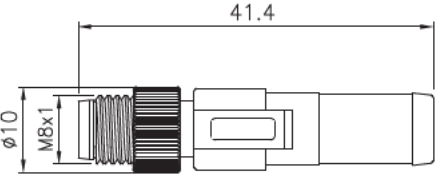
PRODUCT FIGURE	NAME/TYPE NO.	DIMENSIONS
	M8 Straight Female Metal Plug (Solder PG) M8-0001-04 A 0 00000 No. M8-0001 A: 3 4 -PVC 2-PUR 3-TPU 4-RU 5-PTFE L (mm)	
	M8 Straight Male Metal Plug (Solder PG) M8-0002-03 A 0 00000 No. M8-0002 A: 3 4 -PVC 2-PUR 3-TPU 4-RU 5-PTFE L (mm)	
	M8 Straight Female Metal Plug (Solder PG) M8-0003-04 A 0 00000 No. M8-0003 A: 3 4 -PVC 2-PUR 3-TPU 4-RU 5-PTFE L (mm)	
	M8 Straight Male Metal Plug (Solder PG) M8-0004-04 A 0 00000 No. M8-0004 A: 3 4 -PVC 2-PUR 3-TPU 4-RU 5-PTFE L (mm)	
	M8 Straight Female Plastic Plug (Solder PG) M8-0005-03 A 0 00000 No. M8-0005 A: 3 4 -PVC 2-PUR 3-TPU 4-RU 5-PTFE L (mm)	
	M8 Straight Male Plastic Plug (Solder PG) M8-0006-03 A 0 00000 No. M8-0006 A: 3 4 -PVC 2-PUR 3-TPU 4-RU 5-PTFE L (mm)	
	M8 Angled Female Plastic Plug (Solder PG) M8-0007-04 A 0 00000 No. M8-0007 A: 3 4 -PVC 2-PUR 3-TPU 4-RU 5-PTFE L (mm)	
	M8 Angled Male Plastic Plug (Solder PG) M8-0008-04 A 0 00000 No. M8-0008 A: 3 4 -PVC 2-PUR 3-TPU 4-RU 5-PTFE L (mm)	

PRODUCT FIGURE	NAME/TYPE NO.	DIMENSIONS
Unshielded Shielded 	M8 Straight Female overmolded plug M8-0009-04 A 0 00000 UNS: M8-0009 SHD: M8-00 0 A: 3 4 6 8 B: 5B D: 4D -PVC 2-PUR 3-TPU 4-RU 5-PTFE L (mm)	
Unshielded Shielded 	M8 Straight Female overmolded plug (with damping) M8-0011-04 A 0 00000 UNS: M8-00 SHD: M8-00 2 A: 3 4 6 8 B: 5B D: 4D -PVC 2-PUR 3-TPU 4-RU 5-PTFE L (mm)	
Unshielded Shielded 	M8 Straight Male overmolded plug M8-0013-04 A 0 00000 UNS: M8-00 3 SHD: M8-00 4 A: 3 4 6 8 B: 5B D: 4D -PVC 2-PUR 3-TPU 4-RU 5-PTFE L (mm)	
Unshielded Shielded 	M8 Straight Male overmolded plug (Metal interface) M8-0015-05 B 0 00000 UNS: M8-00 5 SHD: M8-00 6 A: 3 4 B: 5B D: 4D -PVC 2-PUR 3-TPU 4-RU 5-PTFE L (mm)	
Unshielded Shielded 	M8 Straight Male overmolded plug (with damping) M8-0017-04 A 0 00000 UNS: M8-00 7 SHD: M8-00 8 A: 3 4 6 8 B: 5B D: 4D -PVC 2-PUR 3-TPU 4-RU 5-PTFE L (mm)	
Unshielded Shielded 	M8 Angled Female overmolded plug M8-0019-04 A 0 00000 UNS: M8-00 9 SHD: M8-0020 A: 3 4 6 8 B: 5B D: 4D -PVC 2-PUR 3-TPU 4-RU 5-PTFE L (mm)	
Unshielded Shielded 	M8 Angled Male overmolded plug M8-0021-04 A 0 00000 UNS: M8-002 SHD: M8-0022 A: 3 4 6 8 B: 5B D: 4D -PVC 2-PUR 3-TPU 4-RU 5-PTFE L (mm)	
Unshielded Shielded 	M8 Angled Male overmolded plug (Metal interface) M8-0023-05 B 0 00000 UNS: M8-0023 SHD: M8-0024 A: 3 4 B: 5B D: 4D -PVC 2-PUR 3-TPU 4-RU 5-PTFE L (mm)	

PRODUCT FIGURE	NAME/TYPE NO.	DIMENSIONS
	M8 Straight Female overmolded plug (push-pull) M8-0025-05 B 0 00000 No. M8-0025 A: 3 4 -PVC B: 5B 2-PUR 3-TPU 4-RU 5-PTFE L (mm)	
	M8 Straight Male overmolded plug (push-pull) M8-0026-05 B 0 00000 No. M8-0026 A: 3 4 -PVC B: 5B 2-PUR 3-TPU 4-RU 5-PTFE L (mm)	
Unshielded Shielded	M8 Female 1 to 2 overmolded plug M8-0027-04 A 0 00000 UNS: M8-0027 A: 3 4 6 8 -PVC SHD: M8-0028 B: 5B 2-PUR 3-TPU 4-RU 5-PTFE L (mm)	
Unshielded Shielded	M8 Male 1 to 2 overmolded plug M8-0029-04 A 0 00000 UNS: M8-0029 A: 3 4 6 8 -PVC SHD: M8-0030 B: 5B 2-PUR 3-TPU 4-RU 5-PTFE L (mm)	
	M8 Male Back Fastened Socket (Solder, Screw M8*1) M8-0031-08 A 0 00000 No. M8-0031 A: 3 4 6 8 -PVC B: 5B 2-PUR D: 4D 3-TPU 4-RU 5-PTFE L (mm)	
	M8 Male Back Fastened Socket (PCB, Screw M8*1) M8-0032-05 B 0 00000 No. M8-0032 A: 3 4 6 8 1-PVC B: 5B 2-PUR D: 4D 3-TPU 4-RU 5-PTFE L (mm)	
	M8 Male Back Fastened Socket (Solder, Screw M8*1) (Metal interface) M8-0033-04 A 0 00000 No. M8-0033 A: 3 4 -PVC B: 5B 2-PUR 3-TPU 4-RU 5-PTFE L (mm)	
	M8 Male Back Fastened Socket (PCB, Screw M8*1) (Metal interface) M8-0034-04 A 0 00000 No. M8-0034 A: 3 4 1-PVC B: 5B 2-PUR 3-TPU 4-RU 5-PTFE L (mm)	

PRODUCT FIGURE	NAME/TYPE NO.	DIMENSIONS
	M8 Female Back Fastened Socket (Solder, Screw M8*1) M8-0035-06 A 0 00000 No. M8-0035 A: 3 4 6 8 -PVC B: 5B 2-PUR D: 4D 3-TPU 4-RU 5-PTFE L (mm)	
	M8 Female Back Fastened Socket (PCB, Screw M8*1) M8-0036-05 B 0 00000 No. M8-0036 A: 3 4 6 8 1-PVC B: 5B 2-PUR D: 4D 3-TPU 4-RU 5-PTFE L (mm)	
	M8 Female Back Fastened Socket (Solder, Screw M8*1) (bullet type) M8-0037-04 A 0 00000 No. M8-0037 A: 3 4 6 8 -PVC B: 5B 2-PUR D: 4D 3-TPU 4-RU 5-PTFE L (mm)	
	M8 Male Front Fastened Socket (Solder, Screw M8*1) M8-0038-03 A 0 00000 No. M8-0038 A: 3 4 6 8 -PVC B: 5B 2-PUR D: 4D 3-TPU 4-RU 5-PTFE L (mm)	
	M8 Male Front Fastened Socket (PCB, Screw M8*1) M8-0039-04 A 0 00000 No. M8-0039 A: 3 4 6 8 1-PVC B: 5B 2-PUR D: 4D 3-TPU 4-RU 5-PTFE L (mm)	
	M8 Male Front Fastened Socket (Solder, Screw M8*1) (Metal interface) M8-0040-04 A 0 00000 No. M8-0040 A: 3 4 -PVC B: 5B 2-PUR 3-TPU 4-RU 5-PTFE L (mm)	
	M8 Male Front Fastened Socket (PCB, Screw M8*1) (Metal interface) M8-0041-04 A 0 00000 No. M8-0041 A: 3 4 1-PVC B: 5B 2-PUR 3-TPU 4-RU 5-PTFE L (mm)	
	M8 Male Front Fastened Socket (Solder, Screw M11*1) M8-0042-04 D 0 00000 No. M8-0042 A: 3 4 6 8 -PVC B: 5B 2-PUR D: 4D 3-TPU 4-RU 5-PTFE L (mm)	

PRODUCT FIGURE	NAME/TYPE No.	DIMENSIONS
	M8 Male Front Fastened Socket (PCB, Screw M11*1) M8-0043-04 A 0 00000 No. M8-0043 A: 3 4 6 8 B: 5B D: 4D 1-PVC 2-PUR 3-TPU 4-RU 5-PTFE L (mm)	hole opening size
	M8 Female Front Fastened Socket (Solder, Screw M11*1) M8-0044-04 D 0 00000 No. M8-0044 A: 3 4 6 8 B: 5B D: 4D 1-PVC 2-PUR 3-TPU 4-RU 5-PTFE L (mm)	hole opening size
	M8 Female Front Fastened Socket (PCB, Screw M11*1) M8-0045-04 A 0 00000 No. M8-0045 A: 3 4 6 8 B: 5B D: 4D 1-PVC 2-PUR 3-TPU 4-RU 5-PTFE L (mm)	hole opening size
	M8 Female Front Fastened Socket (Solder, Screw M12*1) M8-0046-04 D 0 00000 No. M8-0046 A: 3 4 6 8 B: 5B D: 4D 1-PVC 2-PUR 3-TPU 4-RU 5-PTFE L (mm)	hole opening size
	M8 Female Front Fastened Socket (PCB, Screw M12*1) M8-0047-08 A 0 00000 No. M8-0047 A: 3 4 6 8 B: 5B D: 4D 1-PVC 2-PUR 3-TPU 4-RU 5-PTFE L (mm)	hole opening size
	M8 Male Front Fastened Socket (PCB, Screw M8*1) Grounded type M8-0048-04 A 0 00000 No. M8-0048 A: 3 4 6 8 B: 5B D: 4D 1-PVC 2-PUR 3-TPU 4-RU 5-PTFE L (mm)	hole opening size
	Female Front Fastened Socket (PCB, Screw M10*0.75) Grounded type M8-0049-04 A 0 00000 No. M8-0049 A: 3 4 6 8 B: 5B D: 4D 1-PVC 2-PUR 3-TPU 4-RU 5-PTFE L (mm)	hole opening size
	M8 Angled Male Front Fastened Socket (PCB, Screw M8*1) Grounded type M8-0050-06 A 0 00000 No. M8-0050 A: 3 4 6 8 B: 5B D: 4D 1-PVC 2-PUR 3-TPU 4-RU 5-PTFE L (mm)	Epoxy

PRODUCT FIGURE	NAME/TYPE NO.	DIMENSIONS
	M8 Angled Female Front Fastened Socket (PCB, Screw M10*0.75) Grounded type M8-0051-06 A 0 00000 No. M8-0051 A: 3 4 6 8 1-PVC L (mm) B: 5B 2-PUR D: 4D 3-TPU 4-RU 5-PTFE	
	M8 Angled Female Socket (PCB, Screw M10*0.75) M8-0052-05 B 0 00000 No. M8-0052 B: 5B 1-PVC L (mm) 2-PUR 3-TPU 4-RU 5-PTFE	
	M8 Y Type Adapter (PSS) M8-0053-04 A 0 00000 No. M8-0053 A: 3 4 6 8 1-PVC L (mm) 2-PUR 3-TPU 4-RU 5-PTFE	
	M8 T Type Adapter (PSS) M8-0054-04 A 0 00000 No. M8-0054 A: 3 4 6 8 1-PVC L (mm) 2-PUR 3-TPU 4-RU 5-PTFE	
	M8 I Type Adapter (PS) (Screw M11*1) M8-0055-04 A 0 00000 No. M8-0055 A: 3 4 1-PVC L (mm) B: 5B 2-PUR 3-TPU 4-RU 5-PTFE	
	M8 I Type Adapter (PS) M8-0056-04 A 0 00000 No. M8-0056 A: 3 4 6 8 1-PVC L (mm) B: 5B 2-PUR 3-TPU 4-RU 5-PTFE	
	M8 Female Ohm terminal plug 120Ω M8-0057-04 A 0 00000 No. M8-0057 A: 3 4 1-PVC L (mm) 2-PUR 3-TPU 4-RU 5-PTFE	
	M8 Male Ohm terminal plug 120Ω M8-0058-04 A 0 00000 No. M8-0058 A: 3 4 1-PVC L (mm) 2-PUR 3-TPU 4-RU 5-PTFE	

M8 Dust Cover

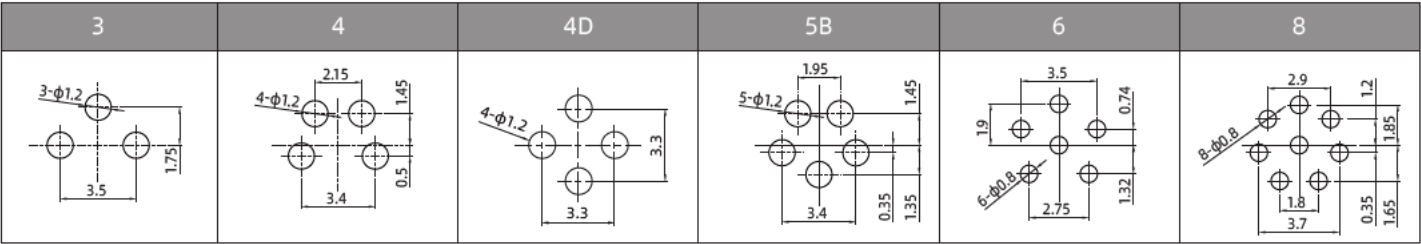
M8 Plastic Dust Cover (Inner screw)		
	Ring inner diameter	No.
	φ 7.5mm	M8-0059-000000001
M8 Plastic Dust Cover (Outer screw)		
	Ring inner diameter	No.
	φ 7.5mm	M8-0060-000000001
M8 Plastic Dust Cover (Outer screw)		
	Ring inner diameter	No.
	φ M8	M8-0063-000000001

M8 All-Metal Dust Cover (Inner screw)		
	Ring inner diameter	No.
	φ 8mm	M8-0061-000000001
	φ 10mm	M8-0061-000000002
M8 All-Metal Dust Cover (Outer screw)		
	Ring inner diameter	No.
	φ 8mm	M8-0062-000000001
	φ 10mm	M8-0062-000000002

M8 Electrical Parameters

Pins	Male			Ratedcurrent	Rated voltage		Conductor size		Female		
	A	B	D		A/C	D/C	AWG	mm ²	A	B	D
3				3A	60V	60V	24	0.25			
4				A(A-Code):3A D(D-Code):4A	60V	60V	24	0.25			
5				3A	30V	30V	24	0.25			
6				1.5A	30V	30V	26	0.14			
8				1.5A	30V	30V	26	0.14			

M8 PCB Pins Arrangemen



M8 Wire Definition

Pins	Wire core color			
	3(Pins)			
1	BN			
2	-			
3	BU			
4	BK			

Pins	Wire core color			
	4(4 Pins A-Code)		4(4 Pins D-Code)	
1	BN		YE	
2	WH		WH	
3	BU		OG	
4	BK		BU	

Pins	Wire core color			
	5(5 Pins A-Code)		5(5 Pins B-Code)	
1	BN		BN	
2	WH		WH	
3	BU		BU	
4	BK		BK	
5	GY		GY	

Pins	Wire core color	
	6(Pins)	
1	BN	
2	WH	
3	BU	
4	BK	
5	GY	
6	PK	

Pins	Wire core color	
	8(Pins)	
1	WH	
2	BN	
3	GN	
4	YE	
5	GY	
6	PK	
7	BU	
8	RD	

Wiring definition according to conventional standards, if according to the agreement or other please contact our sales.