

Circular sensor connectors



M8 cables & connectors

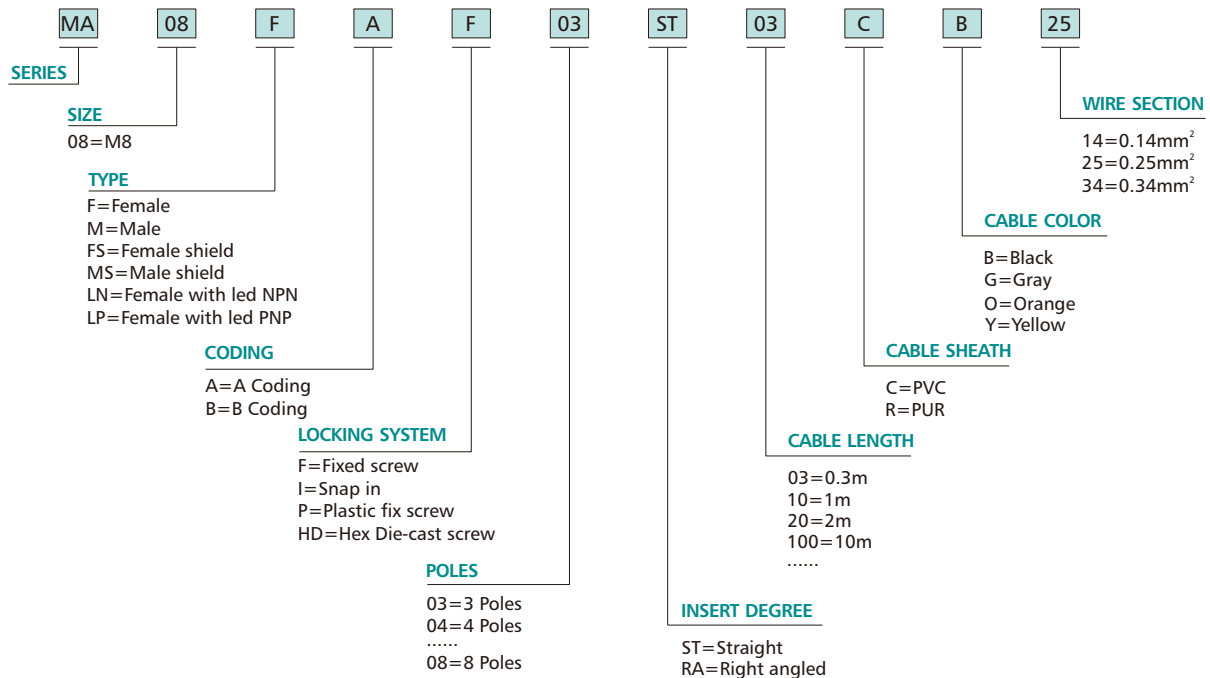
The M8 Series provides a wide range of metric M8 connectors for small sensors and actuators. Available in a shielded form and rated to IP67, these connectors are ideally suited for industrial control networks where small sensors are required. Connectors are either factory TPU over-molded or panel receptacle supplied with a solder-cup for wire connecting or with PCB panel solder contacts. A field attachable/mountable connector is also available.

- Design as per IEC 61076-2-104
- Degree of protection IP67
- 3, 4, 5, 6, 8 poles are available
- 360° EMC shielding is available for molded cable type
- TPU over molded or PA+GF shell
- Anti-vibration locking screw design
- Cable length customized, PUR and PVC cable options

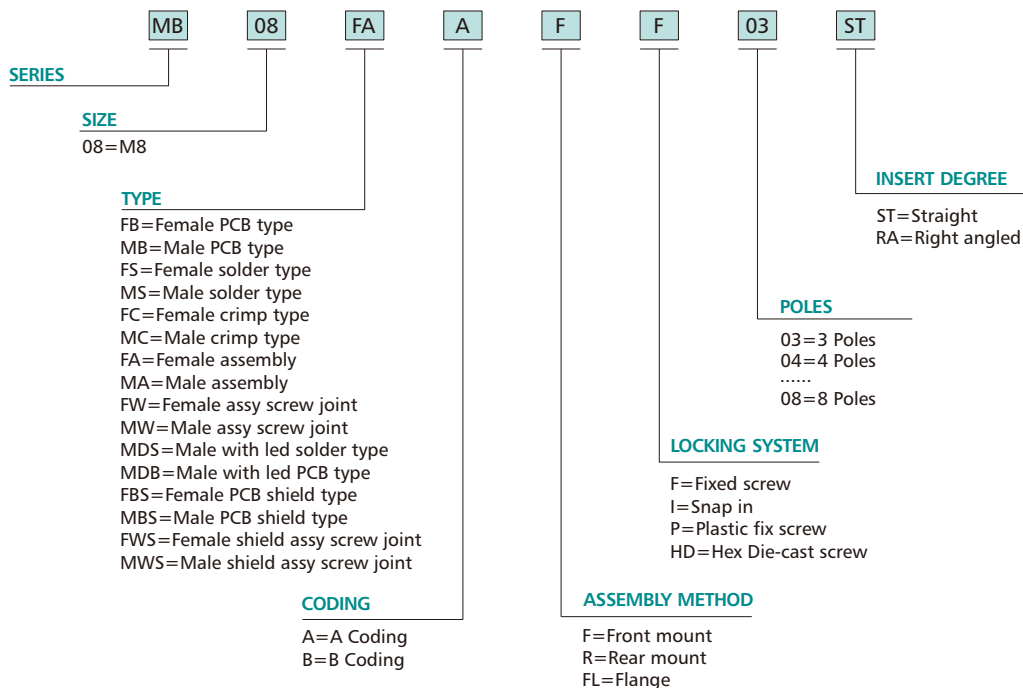
M8 Quick Search Table	Available Coding	A-coding		A-coding		B-coding		A-coding			
	Rated Current	3A		3A		3A		1.5A			
	Voltage	50V(A/C), 60V(D/C)		50V(A/C), 60V(D/C)		30V(A/C), 30V(D/C)		30V(A/C), 30V(D/C)			
	Wire Gauge / size	24AWG / 0.25mm ²		24AWG / 0.25mm ²		24AWG / 0.25mm ²		26AWG / 0.14mm ²			
	Pin layout										
M8 cables & connectors		03 Pins		04 Pins		05 Pins		06 Pins		08 Pins	
Molded Cable											
	Male Molded Cable Straight	23	-	23	-	23	-	23	-	23	-
	Male Molded Cable Straight Shielded	26	-	26	-	26	-	26	-	26	-
	Male Molded Cable Straight Snap-in	28	-	28	-	-	-	-	-	-	-
	Female Molded Cable Straight	-	24	-	24	-	24	-	24	-	24
	Female Molded Cable Straight Plastic	-	25	-	25	-	25	-	25	-	25
	Female Molded Cable Straight Shielded	-	27	-	27	-	27	-	27	-	27
	Female Molded Cable Straight Snap-in	-	29	-	29	-	-	-	-	-	-
	Male Molded Cable Angled	30	-	30	-	30	-	30	-	30	-
	Male Molded Cable Angled Shielded	33	-	33	-	33	-	33	-	33	-
	Male Molded Cable Angled Snap-in	35	-	35	-	-	-	-	-	-	-
	Female Molded Cable Angled	-	31	-	31	-	31	-	31	-	31
	Female Molded Cable Angled Plastic	-	32	-	32	-	32	-	32	-	32
	Female Molded Cable Angled Shielded	-	34	-	34	-	34	-	34	-	34
	Female Molded Cable Angled Snap-in	-	36	-	36	-	-	-	-	-	-
	Female Molded Cable Angled with LED	-	37	-	37	-	-	-	-	-	-
Assembly Type											
	Male Field Wirable Assembly Straight Solder	38	-	38	-	38	-	38	-	38	-
	Female Field Wirable Assembly Straight Solder	-	39	-	39	-	39	-	39	-	39
	Male Field Wirable Assembly Straight Screw Joint Shielded	40	-	40	-	40	-	40	-	40	-
	Female Field Wirable Assembly Straight Screw Joint Shielded	-	41	-	41	-	41	-	41	-	41
Panel Mount Type											
	Male Panel Mount Solder Front fastened	42	-	42	-	42	-	42	-	42	-
	Male Panel Mount Solder Rear fastened	44	-	44	-	44	-	44	-	44	-
	Male Panel Mount Solder with LED	-	-	48	-	-	-	-	-	-	-
	Female Panel Mount Solder Front fastened	46	-	46	-	-	-	-	-	-	-
	Female Panel Mount Solder Rear fastened	47	-	47	-	-	-	-	-	-	-
	Male Panel Mount PCB Type Front fastened	49/51	-	49/51	-	49	-	-	-	-	-
	Male Panel Mount Angled PCB Type Front fastened Shielded	53	-	53	-	53	-	-	-	-	-
	Female Panel Mount PCB Type Front fastened	50	-	50	-	50	-	50	-	50	-
	Female Panel Mount Angled PCB Type Front fastened Shielded	54	-	54	-	54	-	-	-	-	-
	Male to Femle Panel Mount	52	52	52	52	52	52	-	-	-	-
Splitter Connector											
	Y-Splitter Male-2 Female	55	55	55	55	55	55	-	-	-	-
	L-Adapter Male-Female	56	56	56	56	56	56	-	-	-	-
	Male Terminator Straight with LED	57	-	57	-	57	-	-	-	-	-
Protection Cap											
	Protection Cap for Male Connector					58-1					
	Protection Cap for Male Molded Cable Connector					59-1					
	Protection Cap for Male Panel-mount Connector					60-1					
	Protection Cap for Female Connector					58-2					
	Protection Cap for Female Molded Cable Connector					59-2					
	Protection Cap for Female Panel-mount Connector					60-2					

How to Order Part Number

■ M8 Series with cable molded



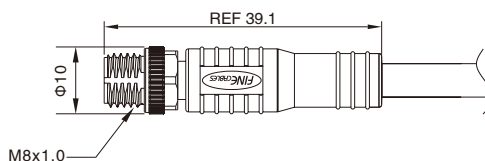
■ M8 Series Assembly / Panel-mount type



M8 Male Molded Cable, Straight

- Connector series: M8
- Gender: Male
- Coding: A,B
- Locking type: Fix screw
- Mounting type: Straight
- Part No.: MA08M*HD**STXXXXXX

* refers to coding type
** refers to pins number
X refers to cable specification

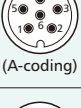
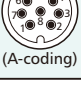


General information

Standard:	IEC 61076-2-104
Ambient temperature:	-40℃ ~ +80℃(fixed installation) -20℃ ~ +80℃(flexible installation)
Connector insert:	TPU
Connector contacts:	Brass with gold plated
Connector overmold:	TPU
Connector nut/screw:	Zinc alloy with nickel plated

Insulation resistance:	≥ 100MΩ
Contact resistance:	≤ 5mΩ
Shielding:	Unavailable
IP rating:	IP67 in locked condition
Mating endurance:	>500 cycles

Electrical data & Mechanical data

Contacts		Rated current	Voltage		Wire gauge / size		Cable jacket	Part No.
			A/C	D/C	AWG	mm ²		
03 pins	 (A-coding)	3A	50V	60V	24AWG	0.25	PVC	MA08MAHD03STXXCB25
							PUR	MA08MAHD03STXXRB25
04 pins	 (A-coding)	3A	50V	60V	24AWG	0.25	PVC	MA08MAHD04STXXCB25
							PUR	MA08MAHD04STXXRB25
05 pins	 (B-coding)	3A	30V	30V	24AWG	0.25	PVC	MA08MBHD05STXXCB25
							PUR	MA08MBHD05STXXRB25
06 pins	 (A-coding)	1.5A	30V	30V	26AWG	0.14	PVC	MA08MAHD06STXXCB14
							PUR	MA08MAHD06STXXRB14
08 pins	 (A-coding)	1.5A	30V	30V	26AWG	0.14	PVC	MA08MAHD08STXXCB14
							PUR	MA08MAHD08STXXRB14

Note: X refers to cable length

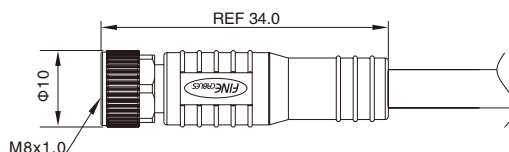
Remarks

- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm².
- Please refer to Page 22 for products' part number encoding rule.

M8 Female Molded Cable, Straight

- Connector series: M8
- Gender: Female
- Coding: A,B
- Locking type: Fix screw
- Mounting type: Straight
- Part No.: MA08F*HD**STXXXXXX

* refers to coding type
** refers to pins number
X refers to cable specification

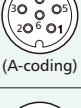
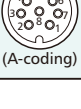


General information

Standard:	IEC 61076-2-104
Ambient temperature:	-40℃ ~ +80℃(fixed installation) -20℃ ~ +80℃(flexible installation)
Connector insert:	TPU
Connector contacts:	Brass with gold plated
Connector overmold:	TPU
Connector nut/screw:	Zinc alloy with nickel plated
Seal / O-ring:	FKM

Insulation resistance:	≥ 100MΩ
Contact resistance:	≤ 5mΩ
Shielding:	Unavailable
IP rating:	IP67 in locked condition
Mating endurance:	>500 cycles

Electrical data & Mechanical data

Contacts		Rated current	Voltage		Wire gauge / size		Cable jacket	Part No.
			A/C	D/C	AWG	mm ²		
03 pins	 (A-coding)	3A	50V	60V	24AWG	0.25	PVC	MA08FAHD03STXXCB25
							PUR	MA08FAHD03STXXRB25
04 pins	 (A-coding)	3A	50V	60V	24AWG	0.25	PVC	MA08FAHD04STXXCB25
							PUR	MA08FAHD04STXXRB25
05 pins	 (B-coding)	3A	30V	30V	24AWG	0.25	PVC	MA08FBHD05STXXCB25
							PUR	MA08FBHD05STXXRB25
06 pins	 (A-coding)	1.5A	30V	30V	26AWG	0.14	PVC	MA08FAHD06STXXCB14
							PUR	MA08FAHD06STXXRB14
08 pins	 (A-coding)	1.5A	30V	30V	26AWG	0.14	PVC	MA08FAHD08STXXCB14
							PUR	MA08FAHD08STXXRB14

Note: X refers to cable length

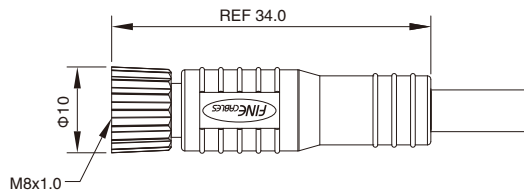
Remarks

- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm².
- Please refer to Page 22 for products' part number encoding rule.

M8 Female Molded Cable, Straight, Plastic Nut

- Connector series: M8
- Gender: Female
- Coding: A,B
- Locking type: Plastic fix screw
- Mounting type: Straight
- Part No.: MA08F*P**STXXXXXX

* refers to coding type
** refers to pins number
X refers to cable specification



General information

Standard:	IEC 61076-2-104
Ambient temperature:	-40℃ ~ +80℃(fixed installation) -20℃ ~ +80℃(flexible installation)
Connector insert:	TPU
Connector contacts:	Brass with gold plated
Connector overmold:	TPU
Connector nut/screw:	PA+ GF
Seal / O-ring:	FKM

Insulation resistance:	≥ 100MΩ
Contact resistance:	≤ 5mΩ
Shielding:	Unavailable
IP rating:	IP67 in locked condition
Mating endurance:	>500 cycles

Electrical data & Mechanical data

Contacts		Rated current	Voltage		Wire gauge / size		Cable jacket	Part No.
			A/C	D/C	AWG	mm ²		
03 pins	 (A-coding)	3A	50V	60V	24AWG	0.25	PVC	MA08FAP03STXXCB25
							PUR	MA08FAP03STXXRB25
04 pins	 (A-coding)	3A	50V	60V	24AWG	0.25	PVC	MA08FAP04STXXCB25
							PUR	MA08FAP04STXXRB25
05 pins	 (B-coding)	3A	30V	30V	24AWG	0.25	PVC	MA08FBP05STXXCB25
							PUR	MA08FBP05STXXRB25
06 pins	 (A-coding)	1.5A	30V	30V	26AWG	0.14	PVC	MA08FAP06STXXCB14
							PUR	MA08FAP06STXXRB14
08 pins	 (A-coding)	1.5A	30V	30V	26AWG	0.14	PVC	MA08FAP08STXXCB14
							PUR	MA08FAP08STXXRB14

Note: X refers to cable length

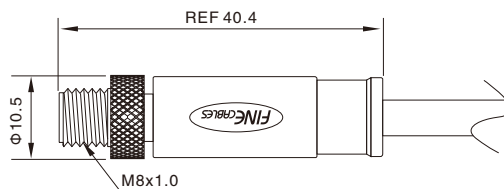
Remarks

- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm².
- Please refer to Page 22 for products' part number encoding rule.

M8 Male Molded Cable, Straight, Shielded

- Connector series: M8
- Gender: Male
- Coding: A,B
- Locking type: Fix screw
- Mounting type: Straight
- Part No.: MA08MS*F**STXXXXXX

* refers to coding type
 ** refers to pins number
 X refers to cable specification



General information

Standard:	IEC 61076-2-104
Ambient temperature:	-40℃ ~ +80℃(fixed installation) -20℃ ~ +80℃(flexible installation)
Connector insert:	TPU
Connector contacts:	Brass with gold plated
Connector overmold:	TPU
Connector nut/screw:	Brass with nickel plated

Insulation resistance:	≥ 100MΩ
Contact resistance:	≤ 5mΩ
Shielding:	Available
IP rating:	IP67 in locked condition
Mating endurance:	>500 cycles

Electrical data & Mechanical data

Contacts		Rated current	Voltage		Wire gauge / size		Cable jacket	Part No.
			A/C	D/C	AWG	mm ²		
03 pins	 (A-coding)	3A	50V	60V	24AWG	0.25	PVC	MA08MSAF03STXXCB25
							PUR	MA08MSAF03STXXRB25
04 pins	 (A-coding)	3A	50V	60V	24AWG	0.25	PVC	MA08MSAF04STXXCB25
							PUR	MA08MSAF04STXXRB25
05 pins	 (B-coding)	3A	30V	30V	24AWG	0.25	PVC	MA08MSBF05STXXCB25
							PUR	MA08MSBF05STXXRB25
06 pins	 (A-coding)	1.5A	30V	30V	26AWG	0.14	PVC	MA08MSAF06STXXCB14
							PUR	MA08MSAF06STXXRB14
08 pins	 (A-coding)	1.5A	30V	30V	26AWG	0.14	PVC	MA08MSAF08STXXCB14
							PUR	MA08MSAF08STXXRB14

Note: X refers to cable length

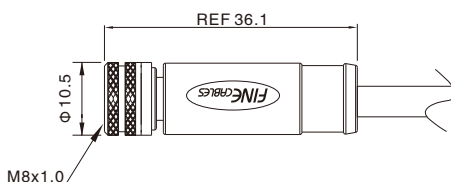
Remarks

- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm².
- Please refer to Page 22 for products' part number encoding rule.

M8 Female Molded Cable, Straight, Shielded

- Connector series: M8
- Gender: Female
- Coding: A,B
- Locking type: Fix screw
- Mounting type: Straight
- Part No.: MA08FS*F**STXXXXXX

* refers to coding type
** refers to pins number
X refers to cable specification

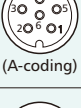
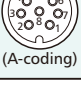


General information

Standard:	IEC 61076-2-104
Ambient temperature:	-40℃ ~ +80℃(fixed installation) -20℃ ~ +80℃(flexible installation)
Connector insert:	TPU; PA
Connector contacts:	Brass with gold plated
Connector overmold:	TPU
Connector nut/screw:	Brass with nickel plated
Seal / O-ring:	FKM

Insulation resistance:	≥ 100MΩ
Contact resistance:	≤ 5mΩ
Shielding:	Available
IP rating:	IP67 in locked condition
Mating endurance:	>500 cycles

Electrical data & Mechanical data

Contacts		Rated current	Voltage		Wire gauge / size		Cable jacket	Part No.
			A/C	D/C	AWG	mm ²		
03 pins	 (A-coding)	3A	50V	60V	24AWG	0.25	PVC	MA08FSAF03STXXCB25
							PUR	MA08FSAF03STXXRB25
04 pins	 (A-coding)	3A	50V	60V	24AWG	0.25	PVC	MA08FSAF04STXXCB25
							PUR	MA08FSAF04STXXRB25
05 pins	 (B-coding)	3A	30V	30V	24AWG	0.25	PVC	MA08FSBF05STXXCB25
							PUR	MA08FSBF05STXXRB25
06 pins	 (A-coding)	1.5A	30V	30V	26AWG	0.14	PVC	MA08FSAF06STXXCB14
							PUR	MA08FSAF06STXXRB14
08 pins	 (A-coding)	1.5A	30V	30V	26AWG	0.14	PVC	MA08FSAF08STXXCB14
							PUR	MA08FSAF08STXXRB14

Note: X refers to cable length

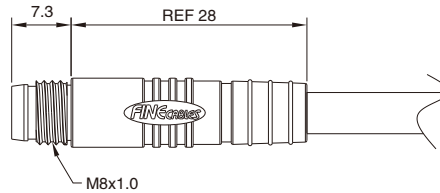
Remarks

- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm².
- Please refer to Page 22 for products' part number encoding rule.

M8 Male Molded Cable, Straight, Snap-in Type

- Connector series: M8
- Gender: Male
- Coding: A
- Locking type: Snap-in
- Mounting type: Straight
- Part No.: MA08MAI**STXXXXXX

** refers to pins number
X refers to cable specification



General information

Standard:	IEC 61076-2-104
Ambient temperature:	-40°C ~ +80°C(fixed installation) -20°C ~ +80°C(flexible installation)
Connector insert:	TPU
Connector contacts:	Brass with gold plated
Connector overmold:	TPU

Insulation resistance:	≥ 100MΩ
Contact resistance:	≤ 5mΩ
Shielding:	Unavailable
IP rating:	IP65 in locked condition
Mating endurance:	>500 cycles

Electrical data & Mechanical data

Contacts		Rated current	Voltage		Wire gauge / size		Cable jacket	Part No.
			A/C	D/C	AWG	mm ²		
03 pins	 (A-coding)	3A	50V	60V	24AWG	0.25	PVC	MA08MAI03STXXCB25
							PUR	MA08MAI03STXXRB25
04 pins	 (A-coding)	3A	50V	60V	24AWG	0.25	PVC	MA08MAI04STXXCB25
							PUR	MA08MAI04STXXRB25

Note: X refers to cable length

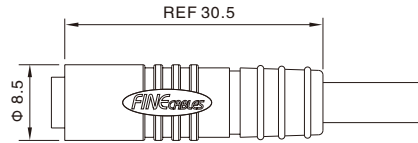
Remarks

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- Please refer to Page 22 for products' part number encoding rule.

M8 Female Molded Cable, Straight, Snap-in Type

- Connector series: M8
- Gender: Female
- Coding: A
- Locking type: Snap-in
- Mounting type: Straight
- Part No.: MA08FAI**STXXXXXX

** refers to pins number
X refers to cable specification



General information

Standard:	IEC 61076-2-104
Ambient temperature:	-40℃ ~ +80℃(fixed installation) -20℃ ~ +80℃(flexible installation)
Connector insert:	TPU; PA
Connector contacts:	Brass with gold plated
Connector overmold:	TPU

Insulation resistance:	≥ 100MΩ
Contact resistance:	≤ 5mΩ
Shielding:	Unavailable
IP rating:	IP65 in locked condition
Mating endurance:	>500 cycles

Electrical data & Mechanical data

Contacts		Rated current	Voltage		Wire gauge / size		Cable jacket	Part No.
			A/C	D/C	AWG	mm ²		
03 pins	 (A-coding)	3A	50V	60V	24AWG	0.25	PVC	MA08FAI03STXXCB25
							PUR	MA08FAI03STXXRB25
04 pins	 (A-coding)	3A	50V	60V	24AWG	0.25	PVC	MA08FAI04STXXCB25
							PUR	MA08FAI04STXXRB25

Note: X refers to cable length

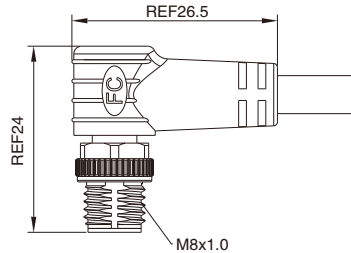
Remarks

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- Please refer to Page 22 for products' part number encoding rule.

M8 Male Molded Cable, Angled

- Connector series: M8
- Gender: Male
- Coding: A,B
- Locking type: Fix screw
- Mounting type: Right angled
- Part No.: MA08M*HD**RAXXXXXX

* refers to coding type
** refers to pins number
X refers to cable specification



General information

Standard:	IEC 61076-2-104
Ambient temperature:	-40℃ ~ +80℃(fixed installation) -20℃ ~ +80℃(flexible installation)
Connector insert:	TPU
Connector contacts:	Brass with gold plated
Connector overmold:	TPU
Connector nut/screw:	Zinc alloy with nickel plated

Insulation resistance:	≥ 100MΩ
Contact resistance:	≤ 5mΩ
Shielding:	Unavailable
IP rating:	IP67 in locked condition
Mating endurance:	>500 cycles

Electrical data & Mechanical data

Contacts		Rated current	Voltage		Wire gauge / size		Cable jacket	Part No.
			A/C	D/C	AWG	mm ²		
03 pins	 (A-coding)	3A	50V	60V	24AWG	0.25	PVC	MA08MAHD03RAXXCB25
							PUR	MA08MAHD03RAXXRB25
04 pins	 (A-coding)	3A	50V	60V	24AWG	0.25	PVC	MA08MAHD04RAXXCB25
							PUR	MA08MAHD04RAXXRB25
05 pins	 (B-coding)	3A	30V	30V	24AWG	0.25	PVC	MA08MBHD05RAXXCB25
							PUR	MA08MBHD05RAXXRB25
06 pins	 (A-coding)	1.5A	30V	30V	26AWG	0.14	PVC	MA08MAHD06RAXXCB14
							PUR	MA08MAHD06RAXXRB14
08 pins	 (A-coding)	1.5A	30V	30V	26AWG	0.14	PVC	MA08MAHD08RAXXCB14
							PUR	MA08MAHD08RAXXRB14

*06 Pin, 08 Pin with different overmold from above other pins

Note: X refers to cable length

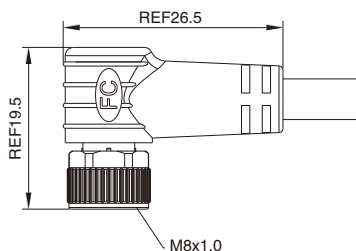
Remarks

- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm².
- Please refer to Page 22 for products' part number encoding rule.

M8 Female Molded Cable, Angled

- Connector series: M8
- Gender: Female
- Coding: A,B
- Locking type: Fix screw
- Mounting type: Right angled
- Part No.: MA08F*HD**RAXXXXXX

* refers to coding type
** refers to pins number
X refers to cable specification

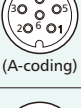
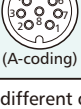


General information

Standard:	IEC 61076-2-104
Ambient temperature:	-40°C ~ +80°C(fixed installation) -20°C ~ +80°C(flexible installation)
Connector insert:	TPU; PA
Connector contacts:	Brass with gold plated
Connector overmold:	TPU
Connector nut/screw:	Zinc alloy with nickel plated
Seal / O-ring:	FKM

Insulation resistance:	≥ 100MΩ
Contact resistance:	≤ 5mΩ
Shielding:	Unavailable
IP rating:	IP67 in locked condition
Mating endurance:	>500 cycles

Electrical data & Mechanical data

Contacts		Rated current	Voltage		Wire gauge / size		Cable jacket	Part No.
			A/C	D/C	AWG	mm ²		
03 pins	 (A-coding)	3A	50V	60V	24AWG	0.25	PVC	MA08FAHD03RAXXCB25
							PUR	MA08FAHD03RAXXRB25
04 pins	 (A-coding)	3A	50V	60V	24AWG	0.25	PVC	MA08FAHD04RAXXCB25
							PUR	MA08FAHD04RAXXRB25
05 pins	 (B-coding)	3A	30V	30V	24AWG	0.25	PVC	MA08FBHD05RAXXCB25
							PUR	MA08FBHD05RAXXRB25
06 pins	 (A-coding)	1.5A	30V	30V	26AWG	0.14	PVC	MA08FAHD06RAXXCB14
							PUR	MA08FAHD06RAXXRB14
08 pins	 (A-coding)	1.5A	30V	30V	26AWG	0.14	PVC	MA08FAHD08RAXXCB14
							PUR	MA08FAHD08RAXXRB14

*06 Pin, 08 Pin with different overmold from above other pins

Note: X refers to cable length

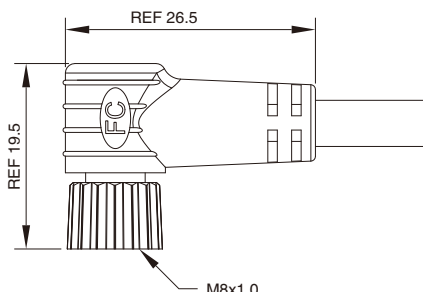
Remarks

- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm².
- Please refer to Page 22 for products' part number encoding rule.

M8 Female Molded Cable, Angled, Plastic Nut

- Connector series: M8
- Gender: Female
- Coding: A,B
- Locking type: Plastic fix screw
- Mounting type: Right angled
- Part No.: MA08F*P**RAXXXXXX

* refers to coding type
** refers to pins number
X refers to cable specification



General information

Standard:	IEC 61076-2-104
Ambient temperature:	-40℃ ~ +80℃(fixed installation) -20℃ ~ +80℃(flexible installation)
Connector insert:	TPU; PA
Connector contacts:	Brass with gold plated
Connector overmold:	TPU
Connector nut/screw:	PA+ GF
Seal / O-ring:	FKM

Insulation resistance:	≥ 100MΩ
Contact resistance:	≤ 5mΩ
Shielding:	Unavailable
IP rating:	IP67 in locked condition
Mating endurance:	>500 cycles

Electrical data & Mechanical data

Contacts		Rated current	Voltage		Wire gauge / size		Cable jacket	Part No.
			A/C	D/C	AWG	mm ²		
03 pins	 (A-coding)	3A	50V	60V	24AWG	0.25	PVC	MA08FAP03RAXXCB25
							PUR	MA08FAP03RAXXRB25
04 pins	 (A-coding)	3A	50V	60V	24AWG	0.25	PVC	MA08FAP04RAXXCB25
							PUR	MA08FAP04RAXXRB25
05 pins	 (B-coding)	3A	30V	30V	24AWG	0.25	PVC	MA08FBP05RAXXCB25
							PUR	MA08FBP05RAXXRB25
06 pins	 (A-coding)	1.5A	30V	30V	26AWG	0.14	PVC	MA08FAP06RAXXCB14
							PUR	MA08FAP06RAXXRB14
08 pins	 (A-coding)	1.5A	30V	30V	26AWG	0.14	PVC	MA08FAP08RAXXCB14
							PUR	MA08FAP08RAXXRB14

*06 Pin, 08 Pin with different overmold from above other pins

Note: X refers to cable length

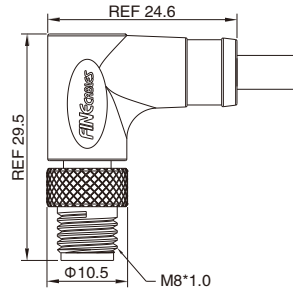
Remarks

- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm².
- Please refer to Page 22 for products' part number encoding rule.

M8 Male Molded Cable, Angled, Shielded

- Connector series: M8
- Gender: Male
- Coding: A,B
- Locking type: Fix screw
- Mounting type: Right angled
- Part No.: MA08MS*F**RAXXXXXX

* refers to coding type
** refers to pins number
X refers to cable specification



General information

Standard:	IEC 61076-2-104
Ambient temperature:	-40℃ ~ +80℃(fixed installation) -20℃ ~ +80℃(flexible installation)
Connector insert:	TPU
Connector contacts:	Brass with gold plated
Connector overmold:	TPU
Connector nut/screw:	Brass with nickel plated

Insulation resistance:	≥ 100MΩ
Contact resistance:	≤ 5mΩ
Shielding:	Available(not 360° shielded)
IP rating:	IP67 in locked condition
Mating endurance:	>500 cycles

Electrical data & Mechanical data

Contacts		Rated current	Voltage		Wire gauge / size		Cable jacket	Part No.
			A/C	D/C	AWG	mm ²		
03 pins	 (A-coding)	3A	50V	60V	24AWG	0.25	PVC	MA08MSAF03RAXXCB25
							PUR	MA08MSAF03RAXXRB25
04 pins	 (A-coding)	3A	50V	60V	24AWG	0.25	PVC	MA08MSAF04RAXXCB25
							PUR	MA08MSAF04RAXXRB25
05 pins	 (B-coding)	3A	30V	30V	24AWG	0.25	PVC	MA08MSBF05RAXXCB25
							PUR	MA08MSBF05RAXXRB25
06 pins	 (A-coding)	1.5A	30V	30V	26AWG	0.14	PVC	MA08MSAF06RAXXCB14
							PUR	MA08MSAF06RAXXRB14
08 pins	 (A-coding)	1.5A	30V	30V	26AWG	0.14	PVC	MA08MSAF08RAXXCB14
							PUR	MA08MSAF08RAXXRB14

Note: X refers to cable length

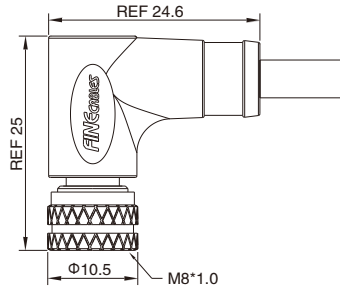
Remarks

- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm².
- Please refer to Page 22 for products' part number encoding rule.

M8 Female Molded Cable, Angled, Shielded

- Connector series: M8
- Gender: Female
- Coding: A,B
- Locking type: Fix screw
- Mounting type: Right angled
- Part No.: MA08FS*F**RAXXXXXX

* refers to coding type
 ** refers to pins number
 X refers to cable specification



General information

Standard:	IEC 61076-2-104
Ambient temperature:	-40℃ ~ +80℃(fixed installation) -20℃ ~ +80℃(flexible installation)
Connector insert:	TPU; PA
Connector contacts:	Brass with gold plated
Connector overmold:	TPU
Connector nut/screw:	Brass with nickel plated
Seal / O-ring:	FKM

Insulation resistance:	≥ 100MΩ
Contact resistance:	≤ 5mΩ
Shielding:	Available(not 360° shielded)
IP rating:	IP67 in locked condition
Mating endurance:	>500 cycles

Electrical data & Mechanical data

Contacts		Rated current	Voltage		Wire gauge / size		Cable jacket	Part No.
			A/C	D/C	AWG	mm ²		
03 pins	 (A-coding)	3A	50V	60V	24AWG	0.25	PVC	MA08FSAF03RAXXCB25
							PUR	MA08FSAF03RAXXRB25
04 pins	 (A-coding)	3A	50V	60V	24AWG	0.25	PVC	MA08FSAF04RAXXCB25
							PUR	MA08FSAF04RAXXRB25
05 pins	 (B-coding)	3A	30V	30V	24AWG	0.25	PVC	MA08FSBF05RAXXCB25
							PUR	MA08FSBF05RAXXRB25
06 pins	 (A-coding)	1.5A	30V	30V	26AWG	0.14	PVC	MA08FSAF06RAXXCB14
							PUR	MA08FSAF06RAXXRB14
08 pins	 (A-coding)	1.5A	30V	30V	26AWG	0.14	PVC	MA08FSAF08RAXXCB14
							PUR	MA08FSAF08RAXXRB14

Note: X refers to cable length

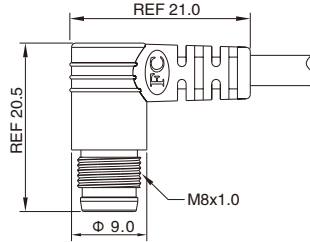
Remarks

- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm².
- Please refer to Page 22 for products' part number encoding rule.

M8 Male Molded Cable, Angled, Snap-in Type

- Connector series: M8
- Gender: Male
- Coding: A
- Locking type: Snap-in
- Mounting type: Right angled
- Part No.: MA08MAI**RAXXXXXX

** refers to pins number
X refers to cable specification



General information

Standard:	IEC 61076-2-104
Ambient temperature:	-40°C ~ +80°C(fixed installation) -20°C ~ +80°C(flexible installation)
Connector insert:	PA + GF
Connector contacts:	Brass with gold plated
Connector overmold:	TPU

Insulation resistance:	≥ 100MΩ
Contact resistance:	≤ 5mΩ
Shielding:	Unavailable
IP rating:	IP65 in locked condition
Mating endurance:	>500 cycles

Electrical data & Mechanical data

Contacts		Rated current	Voltage		Wire gauge / size		Cable jacket	Part No.
			A/C	D/C	AWG	mm ²		
03 pins	 (A-coding)	3A	50V	60V	24AWG	0.25	PVC	MA08MAI03RAXXCB25
							PUR	MA08MAI03RAXXRB25
04 pins	 (A-coding)	3A	50V	60V	24AWG	0.25	PVC	MA08MAI04RAXXCB25
							PUR	MA08MAI04RAXXRB25

Note: X refers to cable length

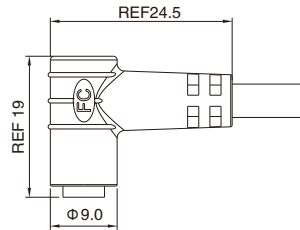
Remarks

- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm².
- Please refer to Page 22 for products' part number encoding rule.

M8 Female Molded Cable, Angled, Snap-in Type

- Connector series: M8
- Gender: Female
- Coding: A
- Locking type: Snap-in
- Mounting type: Right angled
- Part No.: MA08FAI**RAXXXXXX

** refers to pins number
X refers to cable specification



General information



Standard:	IEC 61076-2-104
Ambient temperature:	-40°C ~ +80°C(fixed installation) -20°C ~ +80°C(flexible installation)
Connector insert:	TPU; PA
Connector contacts:	Brass with gold plated
Connector overmold:	TPU

Insulation resistance:	≥ 100MΩ
Contact resistance:	≤ 5mΩ
Shielding:	Unavailable
IP rating:	IP65 in locked condition
Mating endurance:	>500 cycles

Electrical data & Mechanical data

Contacts		Rated current	Voltage		Wire gauge / size		Cable jacket	Part No.
			A/C	D/C	AWG	mm ²		
03 pins	 (A-coding)	3A	50V	60V	24AWG	0.25	PVC	MA08FAI03RAXXCB25
							PUR	MA08FAI03RAXXRB25
04 pins	 (A-coding)	3A	50V	60V	24AWG	0.25	PVC	MA08FAI04RAXXCB25
							PUR	MA08FAI04RAXXRB25

Note: X refers to cable length

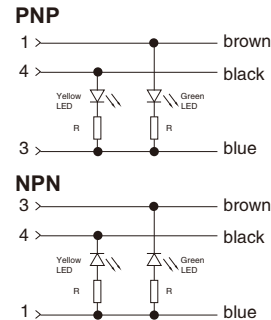
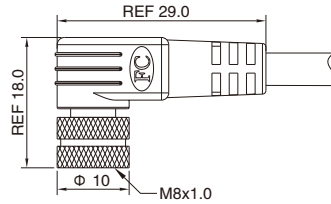
Remarks

- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm².
- Please refer to Page 22 for products' part number encoding rule.

M8 Female Molded Cable, Angled, with LED Indicator

- Connector series: M8
- Gender: Female
- Coding: A
- Locking type: Fix screw
- Mounting type: Right angled
- Part No.: MA08LPAF**RAXXXXXX(PNP)
MA08LNAF**RAXXXXXX(NPN)

** refers to pins number
X refers to cable specification



General information

Standard:	IEC 61076-2-104
Ambient temperature:	-40°C ~ +80°C(fixed installation) -20°C ~ +80°C(flexible installation)
Connector insert:	TPU; PA
Connector contacts:	Brass with gold plated
Connector overmold:	Transparent TPU
Connector nut/screw:	Brass with nickel plated
Seal / O-ring:	FKM

Insulation resistance:	≥ 100MΩ
Contact resistance:	≤ 5mΩ
Shielding:	Unavailable
IP rating:	IP67 in locked condition
Mating endurance:	>500 cycles

Electrical data & Mechanical data

Contacts		Rated current	Voltage		Wire gauge / size		Cable jacket	Part No.
			A/C	D/C	AWG	mm ²		
03 pins	 (A-coding)	3A	50V	60V	24AWG	0.25	PVC	MA08LPAF03RAXXCB25(PNP) MA08LPAF03RAXXRB25(PNP)
							PUR	MA08LNAF03RAXXCB25(NPN) MA08LNAF03RAXXRB25(NPN)
04 pins	 (A-coding)	3A	50V	60V	24AWG	0.25	PVC	MA08LPAF04RAXXCB25(PNP) MA08LPAF04RAXXRB25(PNP)
							PUR	MA08LNAF04RAXXCB25(NPN) MA08LNAF04RAXXRB25(NPN)

Note: X refers to cable length

Remarks

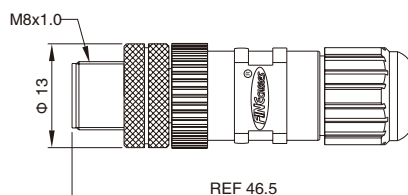
- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm².
- Please refer to Page 22 for products' part number encoding rule.

M8 Male Field Wirable Assembly, Straight, Solder

- Connector series: M8
- Gender: Male
- Coding: A,B
- Locking type: Fix screw
- Mounting type: Straight
- Part No.: MB08MA*FF**ST

* refers to coding type

** refers to pins number



General information

Standard:	IEC 61076-2-104
Ambient temperature:	-25 °C ~ +90 °C
Connector insert/body:	TPU; PA
Connector contacts:	Brass with gold plated
Connector nut/screw:	Brass with nickel plated
Seal / O-ring:	FKM

Insulation resistance:	≥ 100MΩ
Contact resistance:	≤ 5mΩ
Shielding:	Unavailable
Suitable cable Dia:	3.5~5.0mm
IP rating:	IP67 in locked condition
Mating endurance:	>500 cycles

Electrical data & Mechanical data

Contacts		Contacts termination	Rated current	Voltage		Wire gauge / size		Cable jacket	Part No.
				A/C	D/C	AWG	mm ²		
03 pins		Solder version	3A	50V	60V	24AWG	0.25	PUR / PVC	MB08MAAFF03ST
04 pins		Solder version	3A	50V	60V	24AWG	0.25	PUR / PVC	MB08MAAFF04ST
05 pins		Solder version	3A	30V	30V	24AWG	0.25	PUR / PVC	MB08MABFF05ST
06 pins		Solder version	1.5A	30V	30V	26AWG	0.14	PUR / PVC	MB08MAAFF06ST
08 pins		Solder version	1.5A	30V	30V	26AWG	0.14	PUR / PVC	MB08MAAFF08ST

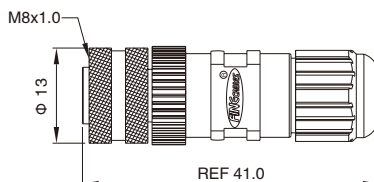
Remarks

- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm².
- Please refer to Page 22 for products' part number encoding rule.

M8 Female Field Wirable Assembly, Straight, Solder

- Connector series: M8
- Gender: Female
- Coding: A,B
- Locking type: Fix screw
- Mounting type: Straight
- Part No.: MB08FA*FF**ST

** refers to pins number
X refers to cable specification



General information



Standard:	IEC 61076-2-104
Ambient temperature:	-25 °C ~ +90 °C
Connector insert/body:	TPU; PA
Connector contacts:	Brass with gold plated
Connector nut/screw:	Brass with nickel plated
Seal / O-ring:	FKM

Insulation resistance:	≥ 100MΩ
Contact resistance:	≤ 5mΩ
Shielding:	Unavailable
Suitable cable Dia:	3.5~5.0mm
IP rating:	IP67 in locked condition
Mating endurance:	>500 cycles

Electrical data & Mechanical data

Contacts		Contacts termination	Rated current	Voltage		Wire gauge / size		Cable jacket	Part No.
				A/C	D/C	AWG	mm ²		
03 pins		Solder version	3A	50V	60V	24AWG	0.25	PUR / PVC	MB08FAAFF03ST
04 pins		Solder version	3A	50V	60V	24AWG	0.25	PUR / PVC	MB08FAAFF04ST
05 pins		Solder version	3A	30V	30V	24AWG	0.25	PUR / PVC	MB08FABFF05ST
06 pins		Solder version	1.5A	30V	30V	26AWG	0.14	PUR / PVC	MB08FAAFF06ST
08 pins		Solder version	1.5A	30V	30V	26AWG	0.14	PUR / PVC	MB08FAAFF08ST

Remarks

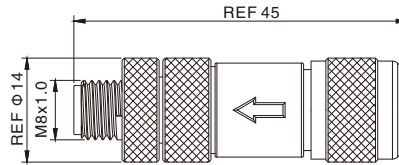
- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm².
- Please refer to Page 22 for products' part number encoding rule.

M8 Male Field Wirable Assembly, Straight, Screw joint, Shielded

- Connector series: M8
- Gender: Male
- Coding: A
- Locking type: Fix screw
- Mounting type: Straight
- Part No.: MB08MWSAFF**ST-A
MB08MWSAFF**ST-B

** refers to pins number

- suitable cable Dia: A: 3.5~4.5mm
B: 4.5~5.5mm



General information

Standard:	IEC 61076-2-104
Ambient temperature:	-25 °C ~ +90 °C
Connector insert/body:	PA
Connector contacts:	Brass with gold plated
Connector nut/screw:	Brass with nickel plated
Connector body:	Zinc alloy with nickel plated
Seal / O-ring:	FKM

Insulation resistance:	≥ 100MΩ
Contact resistance:	≤ 5mΩ
Shielding:	Available
Suitable cable Dia:	A: 3.5~4.5mm, B: 4.5~5.5mm
IP rating:	IP67 in locked condition
Mating endurance:	>500 cycles

Electrical data & Mechanical data

Contacts		Contacts termination	Rated current	Voltage		Wire gauge / size		Part No.
				A/C	D/C	AWG	mm ²	
03 pins		Screw joint	3A	50V	60V	24AWG	0.25	MB08MWSAFF03ST-A MB08MWSAFF03ST-B
04 pins		Screw joint	3A	50V	60V	24AWG	0.25	MB08MWSAFF04ST-A MB08MWSAFF04ST-B

Remarks

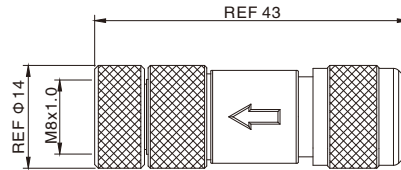
- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm².
- Please refer to Page 22 for products' part number encoding rule.

M8 Female Field Wirable Assembly, Straight, Screw joint, Shielded

- Connector series: M8
- Gender: Female
- Coding: A
- Locking type: Fix screw
- Mounting type: Straight
- Part No.: MB08FWSAFF**ST-A
MB08FWSAFF**ST-B

** refers to pins number

- suitable cable Dia: A: 3.5~4.5mm
B: 4.5~5.5mm



General information

Standard:	IEC 61076-2-104
Ambient temperature:	-25 °C ~ +90 °C
Connector insert/body:	PA
Connector contacts:	Brass with gold plated
Connector nut/screw:	Brass with nickel plated
Connector body:	Zinc alloy with nickel plated
Seal / O-ring:	FKM

Insulation resistance:	≥ 100MΩ
Contact resistance:	≤ 5mΩ
Shielding:	Available
Suitable cable Dia:	A: 3.5~4.5mm, B: 4.5~5.5mm
IP rating:	IP67 in locked condition
Mating endurance:	>500 cycles

Electrical data & Mechanical data

Contacts		Contacts termination	Rated current	Voltage		Wire gauge / size		Part No.
				A/C	D/C	AWG	mm ²	
03 pins		Screw joint	3A	50V	60V	24AWG	0.25	MB08FWSAFF03ST-A MB08FWSAFF03ST-B
04 pins		Screw joint	3A	50V	60V	24AWG	0.25	MB08FWSAFF04ST-A MB08FWSAFF04ST-B

Remarks

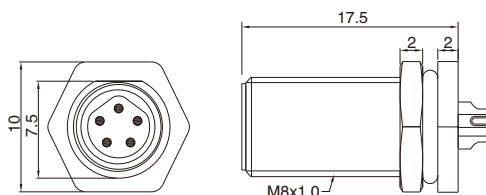
- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm².
- Please refer to Page 22 for products' part number encoding rule.

M8 Male Panel Mount, Solder, Front fastened

- Connector series: M8
- Gender: Male
- Coding: A,B
- Locking type: Fix screw
- Mounting type: Front fastened
- Part No.: MB08MS*FF**ST

* refers to coding type

** refers to pins number

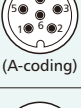
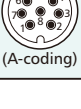


General information

Standard:	IEC 61076-2-104
Ambient temperature:	-25 °C ~ +90 °C
Connector insert:	TPU
Connector contacts:	Brass with gold plated
Connector nut/screw:	Brass with nickel plated
Seal / O-ring:	Epoxy resin / FKM

Insulation resistance:	≥ 100MΩ
Contact resistance:	≤ 5mΩ
Shielding:	Unavailable
IP rating:	IP67 in locked condition
Panel cut-out:	Refer to page 78
Mating endurance:	>500 cycles

Electrical data & Mechanical data

Contacts		Contacts termination	Rated current	Voltage		Wire gauge / size		Wire insulation	Part No.
				A/C	D/C	AWG	mm ²		
03 pins	 (A-coding)	Solder version	3A	50V	60V	24AWG	0.25	PVC wire or customized	MB08MSAFF03ST
04 pins	 (A-coding)	Solder version	3A	50V	60V	24AWG	0.25	PVC wire or customized	MB08MSAFF04ST
05 pins	 (B-coding)	Solder version	3A	30V	30V	24AWG	0.25	PVC wire or customized	MB08MSBFF05ST
06 pins	 (A-coding)	Solder version	1.5A	30V	30V	26AWG	0.14	PVC wire or customized	MB08MSAFF06ST
08 pins	 (A-coding)	Solder version	1.5A	30V	30V	26AWG	0.14	PVC wire or customized	MB08MSAFF08ST

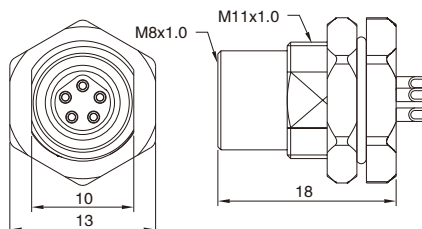
Remarks

- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm².
- Please refer to Page 22 for products' part number encoding rule.

M8 Female Panel Mount, Solder, Front fastened

- Connector series: M8
- Gender: Female
- Coding: A,B
- Locking type: Fix screw
- Mounting type: Front fastened
- Part No.: MB08FS*FF**ST

* refers to coding type
** refers to pins number



General information

Standard:	IEC 61076-2-104
Ambient temperature:	-25 °C ~ +90 °C
Connector insert:	TPU
Connector contacts:	Brass with gold plated
Connector nut/screw:	Brass with nickel plated
Seal / O-ring:	Epoxy resin / FKM

Insulation resistance:	≥ 100MΩ
Contact resistance:	≤ 5mΩ
Shielding:	Unavailable
IP rating:	IP67 in locked condition
Panel cut-out:	Refer to page 78
Mating endurance:	>500 cycles

Electrical data & Mechanical data

Contacts		Contacts termination	Rated current	Voltage		Wire gauge / size		Wire insulation	Part No.
				A/C	D/C	AWG	mm ²		
03 pins		Solder version	3A	50V	60V	24AWG	0.25	PVC wire or customized	MB08FSAFF03ST
04 pins		Solder version	3A	50V	60V	24AWG	0.25	PVC wire or customized	MB08FSAFF04ST
05 pins		Solder version	3A	30V	30V	24AWG	0.25	PVC wire or customized	MB08FSBFF05ST
06 pins		Solder version	1.5A	30V	30V	26AWG	0.14	PVC wire or customized	MB08FSAFF06ST
08 pins		Solder version	1.5A	30V	30V	26AWG	0.14	PVC wire or customized	MB08FSAFF08ST

Remarks

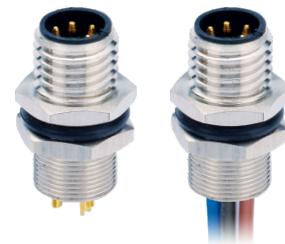
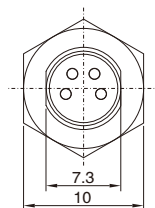
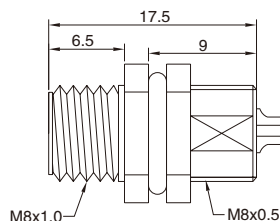
- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm².
- Please refer to Page 22 for products' part number encoding rule.

M8 Male Panel Mount, Solder, Rear fastened

- Connector series: M8
- Gender: Male
- Coding: A,B
- Locking type: Fix screw
- Mounting type: Rear fastened
- Part No.: MB08MS*RF**ST

* refers to coding type

** refers to pins number



General information

Standard:	IEC 61076-2-104
Ambient temperature:	-25 °C ~ +90 °C
Connector insert:	TPU
Connector contacts:	Brass with gold plated
Connector nut/screw:	Brass with nickel plated
Seal / O-ring:	Epoxy resin / FKM

Insulation resistance:	≥ 100MΩ
Contact resistance:	≤ 5mΩ
Shielding:	Unavailable
IP rating:	IP67 in locked condition
Panel cut-out:	Refer to page 78
Mating endurance:	>500 cycles

Electrical data & Mechanical data

Contacts		Contacts termination	Rated current	Voltage		Wire gauge / size		Wire insulation	Part No.
				A/C	D/C	AWG	mm ²		
03 pins		Solder version	3A	50V	60V	24AWG	0.25	PVC wire or customized	MB08MSARF03ST
04 pins		Solder version	3A	50V	60V	24AWG	0.25	PVC wire or customized	MB08MSARF04ST
05 pins		Solder version	3A	30V	30V	24AWG	0.25	PVC wire or customized	MB08MSBRF05ST
06 pins		Solder version	1.5A	30V	30V	26AWG	0.14	PVC wire or customized	MB08MSARF06ST
08 pins		Solder version	1.5A	30V	30V	26AWG	0.14	PVC wire or customized	MB08MSARF08ST

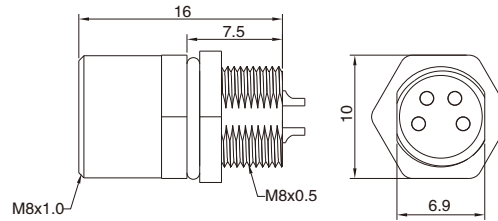
Remarks

- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm².
- Please refer to Page 22 for products' part number encoding rule.

M8 Female Panel Mount, Solder, Rear fastened

- Connector series: M8
- Gender: Female
- Coding: A,B
- Locking type: Fix screw
- Mounting type: Rear fastened
- Part No.: MB08FS*RF**ST

* refers to coding type
** refers to pins number



General information

Standard:	IEC 61076-2-104
Ambient temperature:	-25 °C ~ +90 °C
Connector insert:	TPU
Connector contacts:	Brass with gold plated
Connector nut/screw:	Brass with nickel plated
Seal / O-ring:	Epoxy resin / FKM

Insulation resistance:	≥ 100MΩ
Contact resistance:	≤ 5mΩ
Shielding:	Unavailable
IP rating:	IP67 in locked condition
Panel cut-out:	Refer to page 78
Mating endurance:	>500 cycles

Electrical data & Mechanical data

Contacts		Contacts termination	Rated current	Voltage		Wire gauge / size		Wire insulation	Part No.
				A/C	D/C	AWG	mm ²		
03 pins	 (A-coding)	Solder version	3A	50V	60V	24AWG	0.25	PVC wire or customized	MB08FSARF03ST
04 pins	 (A-coding)	Solder version	3A	50V	60V	24AWG	0.25	PVC wire or customized	MB08FSARF04ST
05 pins	 (B-coding)	Solder version	3A	30V	30V	24AWG	0.25	PVC wire or customized	MB08FSBRF05ST
06 pins	 (A-coding)	Solder version	1.5A	30V	30V	26AWG	0.14	PVC wire or customized	MB08FSARF06ST
08 pins	 (A-coding)	Solder version	1.5A	30V	30V	26AWG	0.14	PVC wire or customized	MB08FSARF08ST

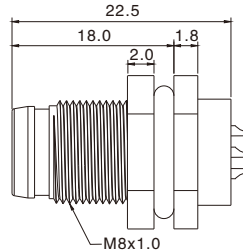
Remarks

- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm².
- Please refer to Page 22 for products' part number encoding rule.

M8 Male Panel Mount, Solder, Front fastened

- Connector series: M8
- Gender: Male
- Coding: A
- Locking type: Snap-in
- Mounting type: Front fastened
- Part No.: MB08MSAFI**ST

** refers to pins number



General information

Standard:	IEC 61076-2-104
Ambient temperature:	-25 °C ~ +90 °C
Connector insert:	TPU
Connector contacts:	Brass with gold plated
Connector nut/screw:	Brass with nickel plated
Seal / O-ring:	Epoxy resin / FKM

Insulation resistance:	≥ 100MΩ
Contact resistance:	≤ 5mΩ
Shielding:	Unavailable
IP rating:	IP67 in locked condition
Panel cut-out:	Refer to page 78
Mating endurance:	>500 cycles

Electrical data & Mechanical data

Contacts		Contacts termination	Rated current	Voltage		Wire gauge / size		Wire insulation	Part No.
				A/C	D/C	AWG	mm ²		
03 pins		Solder version	3A	50V	60V	24AWG	0.25	PVC wire or customized	MB08MSAFI03ST
04 pins		Solder version	3A	50V	60V	24AWG	0.25	PVC wire or customized	MB08MSAFI04ST

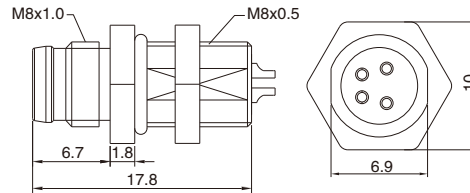
Remarks

- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm².
- Please refer to Page 22 for products' part number encoding rule.

M8 Male Panel Mount, Solder, Rear fastened

- Connector series: M8
- Gender: Male
- Coding: A
- Locking type: Snap-in
- Mounting type: Rear fastened
- Part No.: MB08MSARI**ST

** refers to pins number



General information

Standard:	IEC 61076-2-104
Ambient temperature:	-25 °C ~ +90 °C
Connector insert:	TPU
Connector contacts:	Brass with gold plated
Connector nut/screw:	Brass with nickel plated
Seal / O-ring:	Epoxy resin / FKM

Insulation resistance:	≥ 100MΩ
Contact resistance:	≤ 5mΩ
Shielding:	Unavailable
IP rating:	IP67 in locked condition
Panel cut-out:	Refer to page 78
Mating endurance:	>500 cycles

Electrical data & Mechanical data

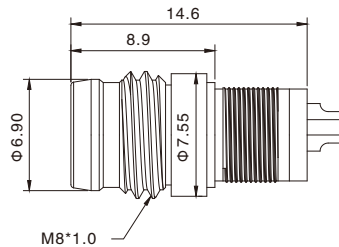
Contacts		Contacts termination	Rated current	Voltage		Wire gauge / size		Wire insulation	Part No.
				A/C	D/C	AWG	mm ²		
03 pins	 (A-coding)	Solder version	3A	50V	60V	24AWG	0.25	PVC wire or customized	MB08MSARI03ST
04 pins	 (A-coding)	Solder version	3A	50V	60V	24AWG	0.25	PVC wire or customized	MB08MSARI04ST

Remarks

- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm².
- Please refer to Page 22 for products' part number encoding rule.

M8 Male Panel Mount, Solder, with LED indicator

- Connector series: M8
- Gender: Male
- Coding: A
- Locking type: Snap-in
- Mounting type: Front fastened
- Part No.: MB08MDAFI04ST



General information



Standard:	IEC 61076-2-104
Ambient temperature:	-40 °C ~ + 80 °C
Connector insert:	PC
Connector contacts:	Brass with gold plated
Connector nut/screw:	Brass with nickel plated

Insulation resistance:	≥ 100MΩ
Contact resistance:	≤ 5mΩ
Shielding:	Unavailable
IP rating:	IP67 in locked condition/ IP65 snap-in
Panel cut-out:	Refer to page 78
Mating endurance:	>500 cycles

Electrical data & Mechanical data

Contacts		Contacts termination	Rated current	Voltage		Wire gauge / size		Wire insulation	Part No.
				A/C	D/C	AWG	mm ²		
04 pins + LED(red)	 (A-coding)	Solder version	4A	10~30V	10~30V	24AWG	0.25	PVC wire or customized	MB08MDAFI04ST

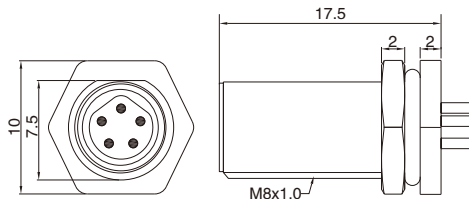
Remarks

- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm².
- Please refer to Page 22 for products' part number encoding rule.

M8 Male Panel Mount, PCB Type, Front fastened

- Connector series: M8
- Gender: Male
- Coding: A,B
- Locking type: Fix screw
- Mounting type: Front fastened
- Part No.: MB08MB*FF**ST

* refers to coding type
** refers to pins number



General information

Standard:	IEC 61076-2-104
Ambient temperature:	-25 °C ~ +90 °C
Connector insert:	TPU
Connector contacts:	Brass with gold plated
Connector nut/screw:	Brass with nickel plated
Seal / O-ring:	Epoxy resin / FKM

Insulation resistance:	≥ 100MΩ
Contact resistance:	≤ 5mΩ
Shielding:	Unavailable
IP rating:	IP67 in locked condition
Panel cut-out:	Refer to page 78
PCB layout:	Refer to page 77
Mating endurance:	>500 cycles

Electrical data & Mechanical data

Contacts		Contacts termination	Rated current	Voltage		Part No.
				A/C	D/C	
03 pins	 (A-coding)	PCB version	3A	50V	60V	MB08MBAFF03ST
04 pins	 (A-coding)	PCB version	3A	50V	60V	MB08MBAFF04ST
05 pins	 (B-coding)	PCB version	3A	30V	30V	MB08MBBFF05ST
06 pins	 (A-coding)	PCB version	1.5A	30V	30V	MB08MBAFF06ST
08 pins	 (A-coding)	PCB version	1.5A	30V	30V	MB08MBAFF08ST

Remarks

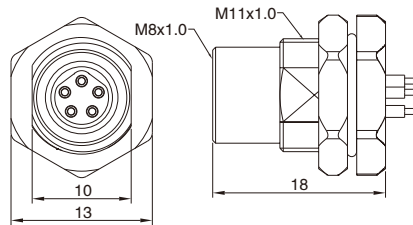
- Please refer to Page 22 for products' part number encoding rule.

M8 Female Panel Mount, PCB Type, Front fastened

- Connector series: M8
- Gender: Female
- Coding: A,B
- Locking type: Fix screw
- Mounting type: Front fastened
- Part No.: MB08FB*FF**ST

* refers to coding type

** refers to pins number



General information



Standard:	IEC 61076-2-104
Ambient temperature:	-25 °C ~ +90 °C
Connector insert:	TPU
Connector contacts:	Brass with gold plated
Connector nut/screw:	Brass with nickel plated
Seal / O-ring:	Epoxy resin / FKM

Insulation resistance:	≥ 100MΩ
Contact resistance:	≤ 5mΩ
Shielding:	Unavailable
IP rating:	IP67 in locked condition
Panel cut-out:	Refer to page 78
PCB layout:	Refer to page 77
Mating endurance:	>500 cycles

Electrical data & Mechanical data

Contacts		Contacts termination	Rated current	Voltage		Part No.
				A/C	D/C	
03 pins		PCB version	3A	50V	60V	MB08FBAFF03ST
04 pins		PCB version	3A	50V	60V	MB08FBAFF04ST
05 pins		PCB version	3A	30V	30V	MB08FBBFF05ST
06 pins		PCB version	1.5A	30V	30V	MB08FBAFF06ST
08 pins		PCB version	1.5A	30V	30V	MB08FBAFF08ST

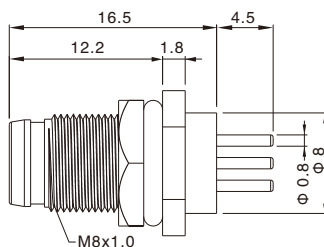
Remarks

- Please refer to Page 22 for products' part number encoding rule.

M8 Male Panel Mount, PCB Type, Front fastened

- Connector series: M8
- Gender: Male
- Coding: A
- Locking type: Snap-in
- Mounting type: Front fastened
- Part No.: MB08MBAFI**ST

** refers to pins number



General information



Standard:	IEC 61076-2-104
Ambient temperature:	-25 °C ~ +90 °C
Connector insert:	TPU
Connector contacts:	Brass with gold plated
Connector nut/screw:	Brass with nickel plated
Seal / O-ring:	Epoxy resin / FKM

Insulation resistance:	≥ 100MΩ
Contact resistance:	≤ 5mΩ
Shielding:	Unavailable
IP rating:	IP67 in locked condition
Panel cut-out:	Refer to page 78
PCB layout:	Refer to page 77
Mating endurance:	>500 cycles

Electrical data & Mechanical data

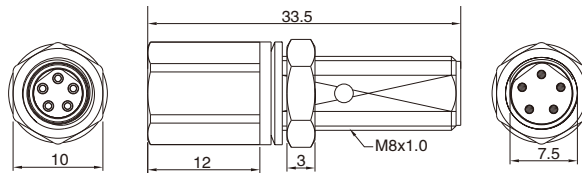
Contacts		Contacts termination	Rated current	Voltage		Part No.
				A/C	D/C	
03 pins	 (A-coding)	PCB version	3A	50V	60V	MB08MBAFI03ST
04 pins	 (A-coding)	PCB version	3A	50V	60V	MB08MBAFI04ST

Remarks

- Please refer to Page 22 for products' part number encoding rule.

M8 Male to Female Panel Mount

- Connector series: M8
- Gender: Male/female
- Coding: A,B
- Locking type: Fix screw
- Mounting type: Straight
- Part No.: MT-004~006



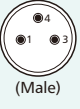
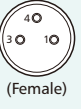
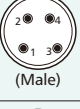
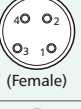
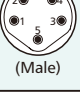
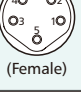
General information



Standard:	IEC 61076-2-104
Ambient temperature:	-25 °C ~ +90 °C
Connector insert:	TPU / PA+GF
Connector contacts:	Brass with gold plated
Connector nut/screw:	Brass with nickel plated
Seal / O-ring:	Epoxy resin / FKM

Insulation resistance:	≥ 100MΩ
Contact resistance:	≤ 5mΩ
Shielding:	Unavailable
IP rating:	IP67 in locked condition
Panel cut-out:	Refer to page 78
Mating endurance:	>500 cycles

Electrical data & Mechanical data

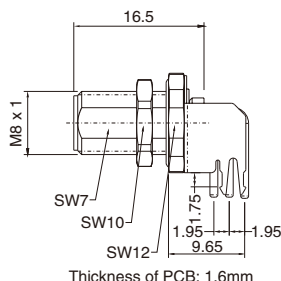
Contacts			Rated current	Voltage		Part No.
				A/C	D/C	
03 pins (A-coding)	 (Male)	 (Female)	3A	50V	60V	MT-004
04 pins (A-coding)	 (Male)	 (Female)	3A	50V	60V	MT-005
05 pins (B-coding)	 (Male)	 (Female)	3A	30V	30V	MT-006

M8 Male Panel Mount, Angled, PCB Type, Front fastened, Shielded

- Connector series: M8
- Gender: Male
- Coding: A,B
- Locking type: Fix screw
- Mounting type: Front fastened
- Part No.: MB08MBS*FF**RA

* refers to coding type

** refers to pins number



General information

Standard:	IEC 61076-2-104
Ambient temperature:	-25 °C ~ +90 °C
Connector insert:	TPU
Connector contacts:	Brass with gold plated
Connector nut/screw:	Brass with nickel plated
Seal / O-ring:	Epoxy resin / FKM

Insulation resistance:	≥ 100MΩ
Contact resistance:	≤ 5mΩ
Shielding:	Available
IP rating:	IP67 in locked condition
Panel cut-out:	Refer to page 78
PCB layout:	Refer to page 77
Mating endurance:	>500 cycles

Electrical data & Mechanical data

Contacts		Contacts termination	Rated current	Voltage		Part No.
				A/C	D/C	
03 pins	 (A-coding)	PCB version	3A	50V	60V	MB08MBSAFF03RA
04 pins	 (A-coding)	PCB version	3A	50V	60V	MB08MBSAFF04RA
05 pins	 (B-coding)	PCB version	3A	30V	30V	MB08MBSBFF05RA

Remarks

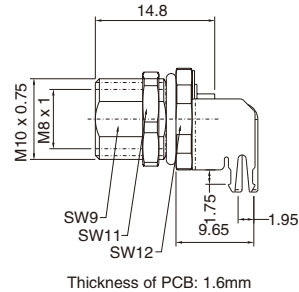
- Please refer to Page 22 for products' part number encoding rule.

M8 Female Panel Mount, Angled, PCB Type, Front fastened, Shielded

- Connector series: M8
- Gender: Female
- Coding: A,B
- Locking type: Fix screw
- Mounting type: Front fastened
- Part No.: MB08FBS*FF**RA

* refers to coding type

** refers to pins number



General information

Standard:	IEC 61076-2-104
Ambient temperature:	-25 °C ~ +90 °C
Connector insert:	PA+GF
Connector contacts:	Brass with gold plated
Connector nut/screw:	Brass with nickel plated
Seal / O-ring:	Epoxy resin / FKM

Insulation resistance:	≥ 100MΩ
Contact resistance:	≤ 5mΩ
Shielding:	Available
IP rating:	IP67 in locked condition
Panel cut-out:	Refer to page 78
PCB layout:	Refer to page 77
Mating endurance:	>500 cycles

Electrical data & Mechanical data

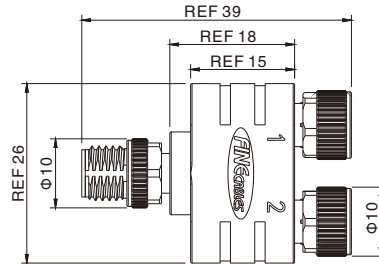
Contacts		Contacts termination	Rated current	Voltage		Part No.
				A/C	D/C	
03 pins		PCB version	3A	50V	60V	MB08FBSAFF03RA
04 pins		PCB version	3A	50V	60V	MB08FBSAFF04RA
05 pins		PCB version	3A	30V	30V	MB08FBSBFF05RA

Remarks

- Please refer to Page 22 for products' part number encoding rule.

M8 Y-Splitter, Male-2*Female

- Connector series: M8
- Gender: Female & Male
- Coding: A,B
- Locking type: Fix screw
- Mounting type: Y-Type
- Part No.: MT-043~045



General information

Ambient temperature:	-20 °C ~ +80 °C
Connector insert:	PA+GF / TPU
Connector contacts:	Brass with gold plated
Connector screw/nut:	Zinc alloy with nickel plated
Innermold:	PP
Overmold:	PVC
O-ring:	FKM

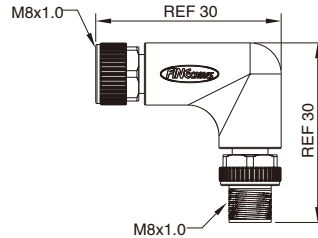
Insulation resistance:	≥ 100MΩ
Contact resistance:	≤ 5mΩ
Shielding:	Unavailable
IP rating:	IP67 in locked condition
Mating endurance:	>500 cycles

Electrical data & Mechanical data

Contacts		Wire List	Rated current	Voltage		Part No.
				A/C	D/C	
03 pins (A-coding)	 (Male) (Female)	 Male 1 3 4 Female(1) Female(2)	3A	50V	60V	MT-043
04 pins (A-coding)	 (Male) (Female)	 Male 1 2 3 4 Female(1) Female(2)	3A	50V	60V	MT-044
05 pins (B-coding)	 (Male) (Female)	 Male 1 2 3 4 5 Female(1) Female(2)	3A	30V	30V	MT-045

M8 L-Adapter, Male-Female

- Connector series: M8
- Gender: Female & Male
- Coding: A,B
- Locking type: Fix screw
- Mounting type: Right angled
- Part No.: MT-046~048



General information

Standard:	IEC 61076-2-104
Ambient temperature:	-20 °C ~ +80 °C
Connector insert:	TPU/PA
Connector contacts:	Brass with gold plated
Connector overmold:	TPU
Connector nut/screw:	Zinc alloy with nickel plated
Seal/O-ring:	FKM

Insulation resistance:	≥ 100MΩ
Contact resistance:	≤ 5mΩ
Shielding:	Unavailable
IP rating:	IP67 in locked condition
Mating endurance:	>500 cycles

Electrical data & Mechanical data

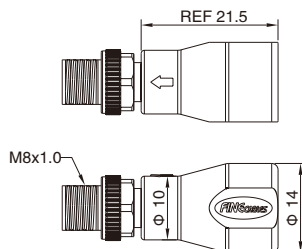
Contacts		Wire List	Rated current	Voltage		Part No.
				A/C	D/C	
03 pins (A-coding)	 (Male) (Female)	Male Female 1 _____ 1 2 _____ 2 3 _____ 3	3A	50V	60V	MT-046
04 pins (A-coding)	 (Male) (Female)	Male Female 1 _____ 1 2 _____ 2 3 _____ 3 4 _____ 4	3A	50V	60V	MT-047
05 pins (B-coding)	 (Male) (Female)	Male Female 1 _____ 1 2 _____ 2 3 _____ 3 4 _____ 4 5 _____ 5	3A	30V	30V	MT-048

M8 Male Terminator, Straight, with LED Indicator

- Connector series: M8
- Gender: Male
- Coding: A,B
- Locking type: Fix screw
- Mounting type: Straight
- Part No.: MA08M*HD**ST-LED

* refers to coding type

** refers to pins number



General information

Ambient temperature:	-20 °C ~ +80 °C
Connector insert:	TPU + GF
Connector contacts:	Brass with gold plated
Connector overmold:	Transparent TPU
Coupling nut/screw:	Zinc alloy with nickel plated

Insulation resistance:	≥ 100MΩ
Contact resistance:	≤ 5mΩ
Shielding:	Unavailable
IP rating:	IP67 in locked condition
Mating endurance:	>500 cycles

Electrical data & Mechanical data

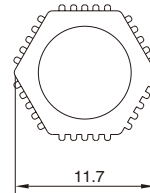
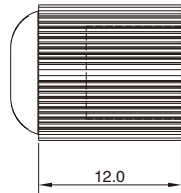
Contacts		Rated current	Voltage		Part No.
			A/C	D/C	
03 pins	 (A-coding)	3A	50V	60V	MA08MAHD03ST-LED
04 pins	 (A-coding)	3A	50V	60V	MA08MAHD04ST-LED
05 pins	 (B-coding)	3A	30V	30V	MA08MBHD05ST-LED

Remarks

- Please refer to Page 22 for products' part number encoding rule.

M8 Protection Cap for Male Snap in Connector

- Connector series: M8
- Gender: for Male
- Locking type: Fix screw
- Part No.: PCNM8x1.0-1

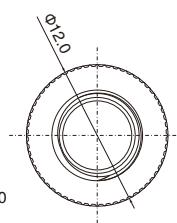
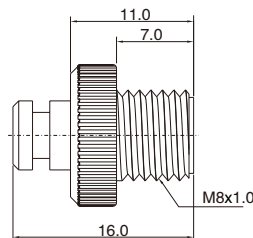


General information

Material:	PA+ GF
O-ring:	FKM
Color:	Black
Degree of protection:	IP67 in locked condition

M8 Protection Cap for Female Connector

- Connector series: M8
- Gender: for Female
- Locking type: Fix screw
- Part No.: PCSM8x1.0-1

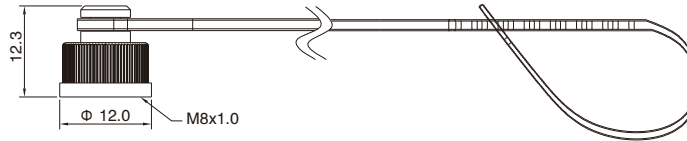


General information

Material:	PA+ GF
Color:	Black
Degree of protection:	IP67 in locked condition

M8 Protection Cap for Male Molded Cable Connector

- Connector series: M8
- Gender: for Male
- Locking type: Fix screw
- Part No.: PCNM8x1.0-2

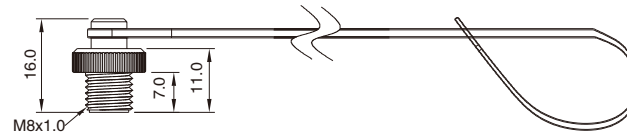


General information

Material:	PA+ GF
Gasket:	FKM
Loop:	TPU
Color:	Black
Degree of protection:	IP67 in locked condition

M8 Protection Cap for Female Molded Cable Connector

- Connector series: M8
- Gender: for Female
- Locking type: Fix screw
- Part No.: PCSM8x1.0-2

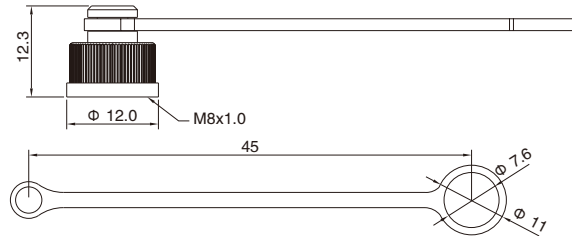


General information

Material:	PA+ GF
Loop:	TPU
Color:	Black
Degree of protection:	IP67 in locked condition

M8 Protection Cap for Male Panel-mount Connector

- Connector series: M8
- Gender: for Male
- Locking type: Fix screw
- Part No.: PCNM8x1.0-3

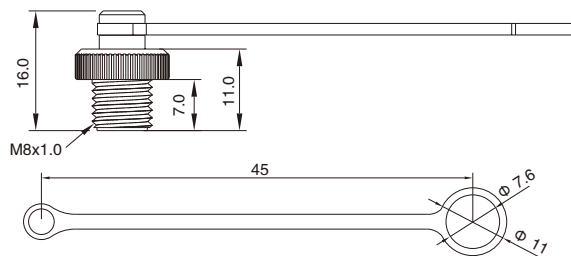


General information

Material:	PA+GF
Gasket:	FKM
Loop:	TPU
Color:	Black
Degree of protection:	IP67 in locked condition

M8 Protection Cap for Female Panel-mount Connector

- Connector series: M8
- Gender: for Female
- Locking type: Fix screw
- Part No.: PCSM8x1.0-3



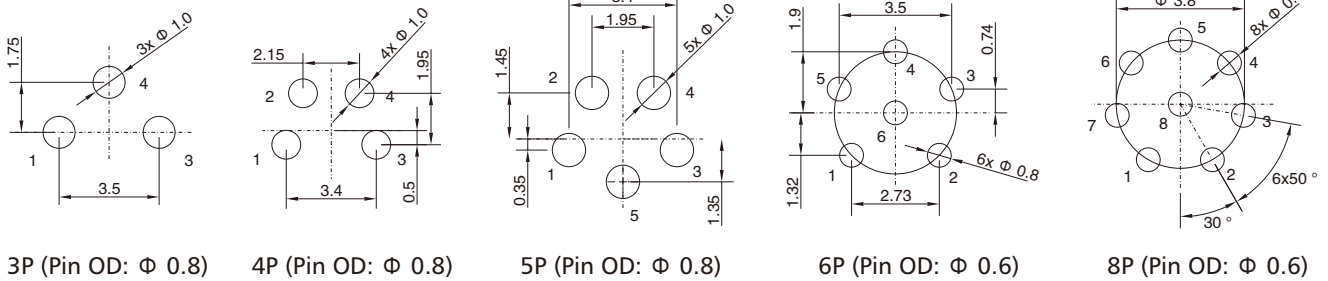
General information

Material:	PA+GF
Loop:	TPU
Color:	Black
Degree of protection:	IP67 in locked condition

M8 PCB Layout & Panel Cut-out

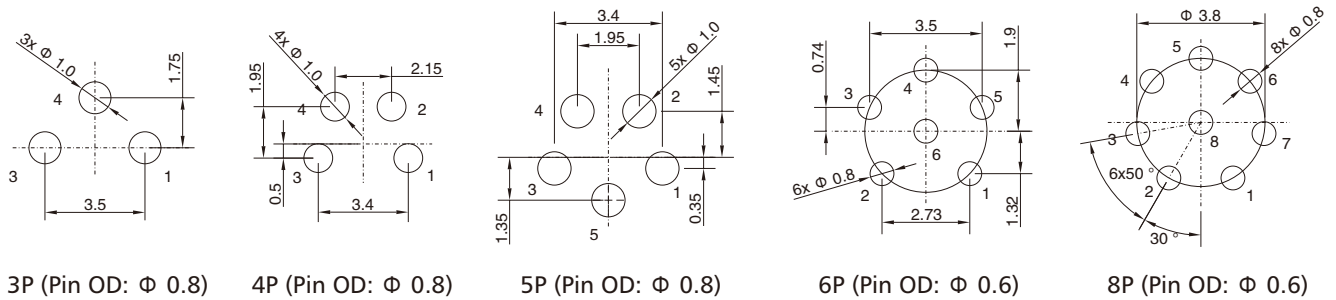
■ PCB Layout

M8 Male Connector



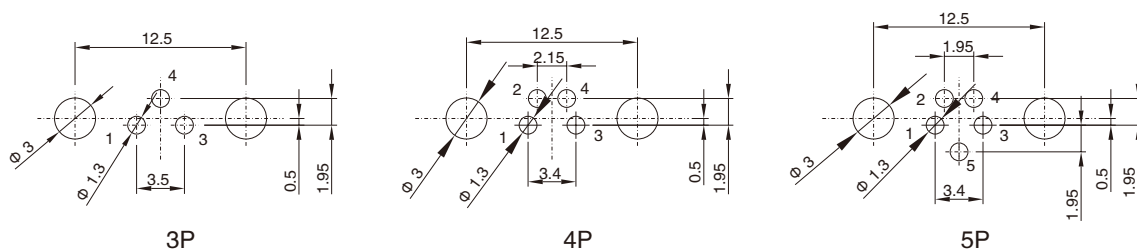
Recommended PCB layout

M8 Female Connector



Recommended PCB layout

M8 Male Right Angled Connector

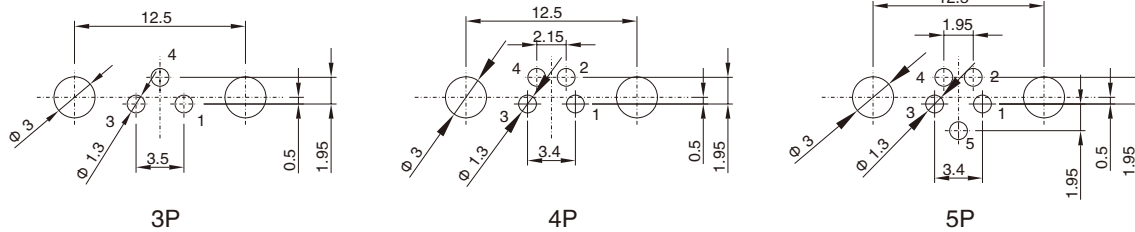


Recommended PCB layout

M8 PCB Layout & Panel Cut-out

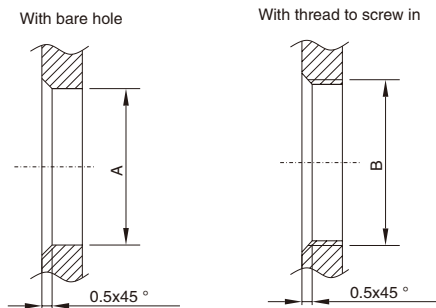
■ PCB Layout

M8 Female Right Angled Connector



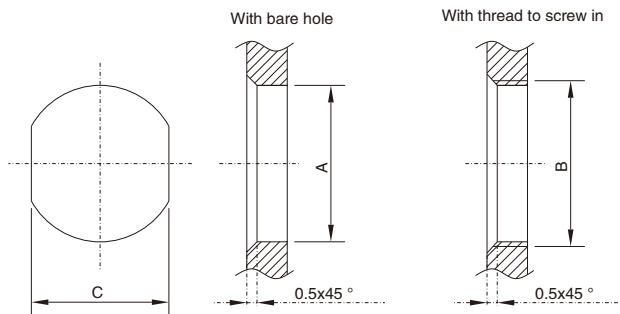
Recommended PCB layout

■ Panel Cut-out Dimensions



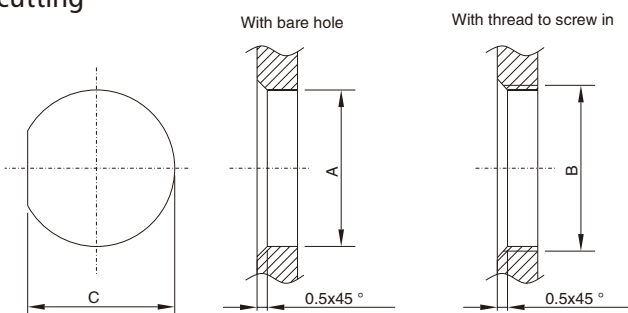
	A	B
M8	8.0 ^{+0.1} ₋₀	M8x0.5
M8	8.0 ^{+0.1} ₋₀	M8x1.0
M11	11.0 ^{+0.1} ₋₀	M11x1.0

H-cutting



	A	B	C
M8	8.0 ^{+0.1} ₋₀	M8x0.5	7.1 ^{+0.1} ₋₀
M8	8.0 ^{+0.1} ₋₀	M8x0.5	7.4 ^{+0.1} ₋₀
M8	8.0 ^{+0.1} ₋₀	M8x1.0	7.1 ^{+0.1} ₋₀
M10	10.0 ^{+0.1} ₋₀	M10x0.75	9.1 ^{+0.1} ₋₀
M11	11.0 ^{+0.1} ₋₀	M11x1.0	10.1 ^{+0.1} ₋₀

D-cutting



	A	B	C
M8	8.0 ^{+0.1} ₋₀	M8x1.0	7.6 ^{+0.1} ₋₀