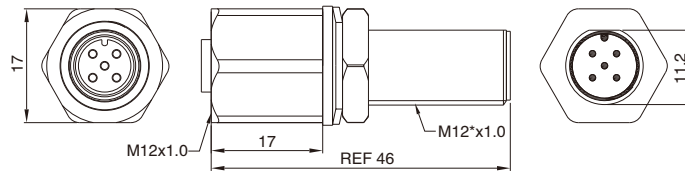


## M12 Male to Female Panel Mount, A-coding

- Connector series: M12
- Gender: Male&Female
- Coding: A
- Locking type: Fix screw
- Mounting type: Straight
- Part No.: MT-007~008



### General information

Standard:	IEC 61076-2-101
Ambient temperature:	-25°C ~ +90°C
Connector insert:	PA+GF / TPU
Connector contacts:	Brass with gold plated
Connector nut/screw:	Brass with nickel plated
Seal / O-ring:	Epoxy resin/FKM

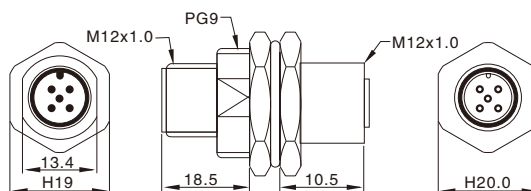
Insulation resistance:	≥ 100MΩ
Contact resistance :	≤ 5mΩ
Shielding:	Unavailable
IP rating:	IP68 in locked condition
Panel cut-out:	Refer to page 287
Mating endurance:	>500 cycles

### Electrical data & Mechanical data

Contacts	Available Coding		Rated current	Voltage		Part No.
	Male	Female		A/C	D/C	
04 pins			4A	250V	250V	MT-007
05 pins			4A	60V	60V	MT-008

## M12 Male to Female Panel Mount, A-coding

- Connector series: M12
- Gender: Male&Female
- Coding: A
- Locking type: Fix screw
- Mounting type: Straight
- Part No.: MT-009~010



### General information

Standard:	IEC 61076-2-101
Ambient temperature:	-25°C ~ +90°C
Connector insert:	PA+GF / TPU
Connector contacts:	Brass with gold plated
Connector nut/screw:	Brass with nickel plated
Seal / O-ring:	Epoxy resin/FKM

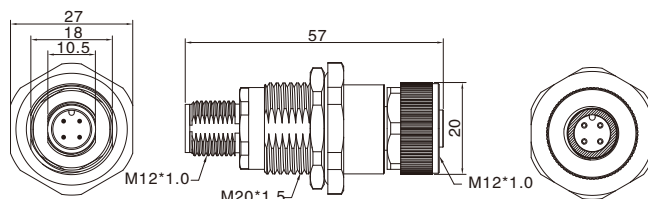
Insulation resistance:	≥ 100MΩ
Contact resistance :	≤ 5mΩ
Shielding:	Unavailable
IP rating:	IP68 in locked condition
Panel cut-out:	Refer to page 287
Mating endurance:	>500 cycles

### Electrical data & Mechanical data

Contacts	Available Coding		Rated current	Voltage		Part No.
	Male	Female		A/C	D/C	
04 pins			4A	250V	250V	MT-009
05 pins			4A	60V	60V	MT-010

## M12 Male to Female Panel Mount, A-coding, Shielded

- Connector series: M12
- Gender: Male & Female
- Coding: A
- Locking type: Fix screw
- Mounting type: Straight
- Part No.: MT-076~77



### General information

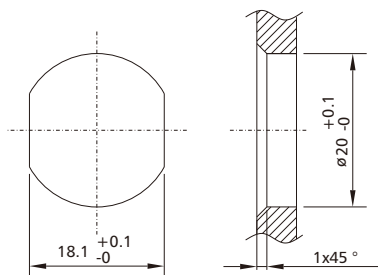
Standard:	IEC 61076-2-101
Ambient temperature:	-25°C ~ +90°C
Connector insert:	PA / TPU
Connector contacts:	Brass with gold plated
Connector nut/screw:	Brass with nickel plated
Seal / O-ring:	Epoxy resin/ FKM

Insulation resistance:	≥ 100MΩ
Contact resistance :	≤ 5mΩ
Shielding:	Available
IP rating:	IP68 in locked condition
Mating endurance:	>500 cycles

### Electrical data & Mechanical data

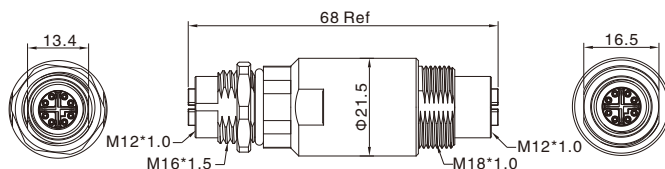
Contacts	Rated current	Voltage		Part No.
		A/C	D/C	
04 pins  Male Female	4A	250V	250V	MT-076
05 pins  Male Female	4A	60V	60V	MT-077

### Panel Cut-out Dimensions



## M12 Female to Female Panel Mount, X-coding, Shielded

- Connector series: M12
- Gender: Female
- Coding: X
- Locking type: Fix screw
- Mounting type: Straight
- Part No.: MT-078



### General information

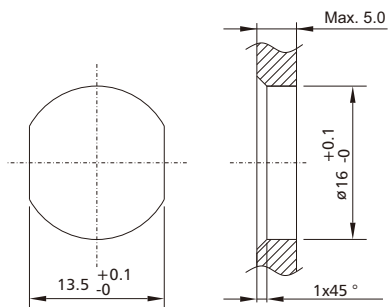
Standard:	IEC 61076-2-109
Ambient temperature:	-25°C ~ +90°C
Connector insert:	PA / TPU
Connector contacts:	Brass with gold plated
Connector nut/screw:	Brass with nickel plated
Seal / O-ring:	FKM

Insulation resistance:	≥ 100MΩ
Contact resistance :	≤ 10mΩ
Shielding:	Available
IP rating:	IP68 in locked condition
Mating endurance:	>500 cycles

### Electrical data & Mechanical data

Contacts	Rated current	Voltage		Part No.
		A/C	D/C	
08 pins	0.5A	50V	60V	MT-078

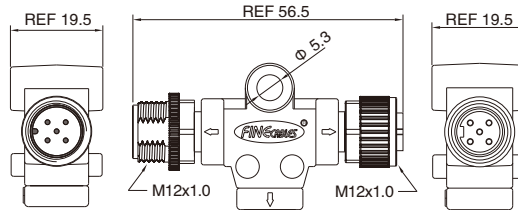
### Panel Cut-out Dimensions



## M12 I-Adapter, Male-Female

- Connector series: M12
- Gender: Male&Female
- Coding: A,B,D
- Locking type: Fix screw
- Mounting type: I type
- Part No.: MI-\*XX

\* refers to coding type  
XX refers to pins number



### General information

Standard:	IEC 61076-2-101
Ambient temperature:	-20°C ~ + 80°C
Connector insert:	TPU; PA
Connector contacts:	Brass with gold plated
Connector nut/screw:	Zinc alloy with nickel plated
Connector overmold:	TPU
Seal/O-ring:	FKM

Insulation resistance:	≥ 100MΩ
Contact resistance :	≤ 5mΩ
Shielding:	Unavailable
IP rating:	IP68 in locked condition
Mating endurance:	>500 cycles

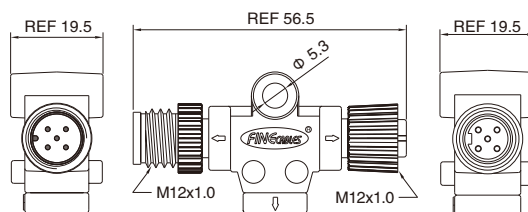
### Electrical data & Mechanical data

Contacts	Available Coding				Rated current	Voltage		Part No.
	A	B	D			A/C	D/C	
03 pins	 Male	 Female	 Male	 Female	4A	250V	250V	MI-A03 MI-B03
04 pins	 Male	 Female	 Male	 Female	4A	250V	250V	MI-A04 MI-B04 MI-D04
05 pins	 Male	 Female	 Male	 Female	4A	60V	60V	MI-A05 MI-B05
08 pins	 Male	 Female			2A	30V	30V	MI-A08

## M12 Plastic I-Adapter, Male-Female

- Connector series: M12
- Gender: Male&Female
- Coding: A,B,D
- Locking type: Plastic fix screw
- Mounting type: I type
- Part No.: MIP-\*XX

\* refers to coding type  
XX refers to pins number



### General information

Standard:	IEC 61076-2-101
Ambient temperature:	-20°C ~ + 80°C
Connector insert:	TPU; PA
Connector contacts:	Brass with gold plated
Connector nut/screw:	PA+GF
Connector overmold:	TPU
Seal/O-ring:	FKM

Insulation resistance:	≥ 100MΩ
Contact resistance :	≤ 5mΩ
Shielding:	Unavailable
IP rating:	IP68 in locked condition
Mating endurance:	>500 cycles

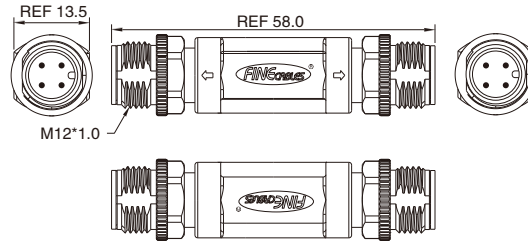
### Electrical data & Mechanical data

Contacts	Available Coding				Rated current	Voltage		Part No.
	A	B	D			A/C	D/C	
03 pins	 Male	 Female	 Male	 Female	4A	250V	250V	MIP-A03 MIP-B03
04 pins	 Male	 Female	 Male	 Female	4A	250V	250V	MIP-A04 MIP-B04 MIP-D04
05 pins	 Male	 Female	 Male	 Female	4A	60V	60V	MIP-A05 MIP-B05
08 pins	 Male	 Female			2A	30V	30V	MIP-A08

## M12 I-Adapter, Male-Male

- Connector series: M12
- Gender: Male&Male
- Coding: A,B,D
- Locking type: Fix screw
- Mounting type: I type
- Part No.: MI-\*XX-0

\* refers to coding type  
 XX refers to pins number  
 (0) without mounting hole



### General information

Standard:	IEC 61076-2-101
Ambient temperature:	-20°C ~ + 90°C
Connector insert:	TPU; PA
Connector contacts:	Brass with gold plated
Connector nut/screw:	Zinc alloy with nickel plated
Connector overmold:	TPU
Seal/O-ring:	Epoxy resin / FKM

Insulation resistance:	≥ 100MΩ
Contact resistance :	≤ 5mΩ
Shielding:	Unavailable
IP rating:	IP68 in locked condition
Mating endurance:	>500 cycles

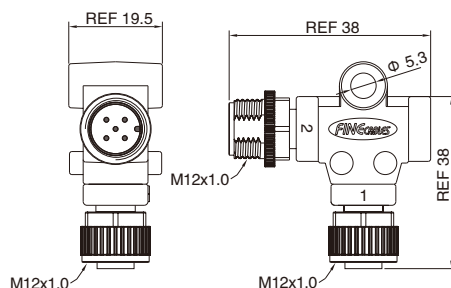
### Electrical data & Mechanical data

Contacts	Available Coding			Rated current	Voltage		Part No.
	A	B	D		A/C	D/C	
03 pins	Male	Male		4A	250V	250V	MI-A03-0 MI-B03-0
04 pins	Male	Male	Male	4A	250V	250V	MI-A04-0 MI-B04-0 MI-D04-0
05 pins	Male	Male		4A	60V	60V	MI-A05-0 MI-B05-0
08 pins	Male			2A	30V	30V	MI-A08-0

## M12 L-Adapter, Male-Female

- Connector series: M12
- Gender: Male&Female
- Coding: A,B,D
- Locking type: Fix screw
- Mounting type: L type
- Part No.: ML-\*XX

\* refers to coding type  
XX refers to pins number



### General information

Standard:	IEC 61076-2-101
Ambient temperature:	-20°C ~ + 80°C
Connector insert:	TPU; PA
Connector contacts:	Brass with gold plated
Connector nut/screw:	Zinc alloy with nickel plated
Connector overmold:	TPU
Seal/O-ring:	FKM

Insulation resistance:	≥ 100MΩ
Contact resistance :	≤ 5mΩ
Shielding:	Unavailable
IP rating:	IP68 in locked condition
Mating endurance:	>500 cycles

### Electrical data & Mechanical data

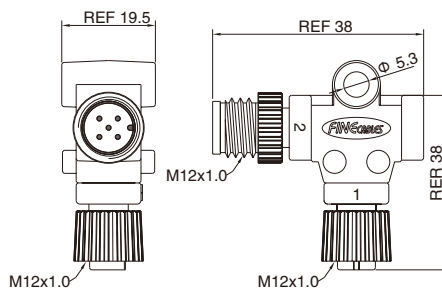
Contacts	Available Coding				Rated current	Voltage		Part No.
	A	B	D			A/C	D/C	
03 pins	 Male	 Female	 Male	 Female	4A	250V	250V	ML-A03 ML-B03
04 pins	 Male	 Female	 Male	 Female	4A	250V	250V	ML-A04 ML-B04 ML-D04
05 pins	 Male	 Female	 Male	 Female	4A	60V	60V	ML-A05 ML-B05
08 pins	 Male	 Female			2A	30V	30V	ML-A08



## M12 Plastic L-Adapter, Male-Female

- Connector series: M12
- Gender: Male&Female
- Coding: A,B,D
- Locking type: Plastic fix screw
- Mounting type: L type
- Part No.: MLP-\*XX

\* refers to coding type  
XX refers to pins number



### General information

Standard:	IEC 61076-2-101
Ambient temperature:	-20°C ~ + 80°C
Connector insert:	TPU; PA
Connector contacts:	Brass with gold plated
Connector nut/screw:	PA+GF
Connector overmold:	TPU
Seal/O-ring:	FKM

Insulation resistance:	≥ 100MΩ
Contact resistance :	≤ 5mΩ
Shielding:	Unavailable
IP rating:	IP68 in locked condition
Mating endurance:	>500 cycles

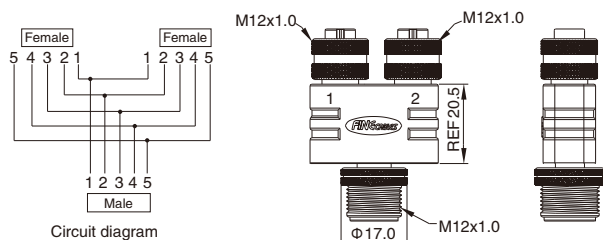
### Electrical data & Mechanical data

Contacts	Available Coding				Rated current	Voltage		Part No.
	A	B	D			A/C	D/C	
03 pins	 Male	 Female	 Male	 Female	4A	250V	250V	MLP-A03 MLP-B03
04 pins	 Male	 Female	 Male	 Female	4A	250V	250V	MLP-A04 MLP-B04 MLP-D04
05 pins	 Male	 Female	 Male	 Female	4A	60V	60V	MLP-A05 MLP-B05
08 pins	 Male	 Female			2A	30V	30V	MLP-A08

## M12 Y-Splitter, Male-2\*Female

- Connector series: M12
- Gender: Male&Female
- Coding: A,B,D
- Locking type: Fix screw
- Mounting type: Y type
- Part No.: MY1-\*XX

\* refers to coding type  
XX refers to pins number



### General information

Ambient temperature:	-20°C ~ + 80°C
Connector insert:	TPU; PA
Connector contacts:	Brass with gold plated
Connector nut/screw:	Brass with nickel plated
Connector overmold:	PVC
Seal/O-ring:	FKM

Insulation resistance:	≥ 100MΩ
Contact resistance :	≤ 5mΩ
Shielding:	Available / Unavailable
IP rating:	IP68 in locked condition
Mating endurance:	>500 cycles

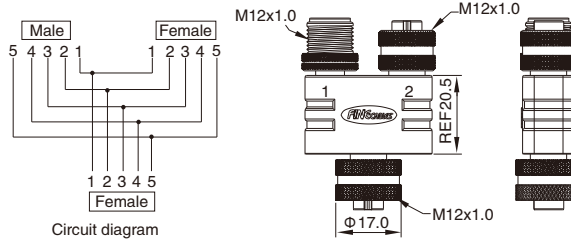
### Electrical data & Mechanical data

Contacts	Available Coding			Rated current	Voltage		Part No.
	A	B	D		A/C	D/C	
03 pins				4A	250V	250V	MY1-A03 MY1-B03
04 pins				4A	250V	250V	MY1-A04 MY1-B04 MY1-D04
05 pins				4A	60V	60V	MY1-A05 MY1-B05
08 pins				2A	30V	30V	MY1-A08

## M12 Y-Splitter, Female-Male-Female

- Connector series: M12
- Gender: Female&Male
- Coding: A,B,D
- Locking type: Fix screw
- Mounting type: Y type
- Part No.: MY2-\*XX

\* refers to coding type  
XX refers to pins number



### General information

Ambient temperature:	-20°C~ + 80°C
Connector insert:	TPU; PA
Connector contacts:	Brass with gold plated
Connector nut/screw:	Brass with nickel plated
Connector overmold:	PVC
Seal/O-ring:	FKM

Insulation resistance:	≥ 100MΩ
Contact resistance :	≤ 5mΩ
Shielding:	Available / Unavailable
IP rating:	IP68 in locked condition
Mating endurance:	>500 cycles

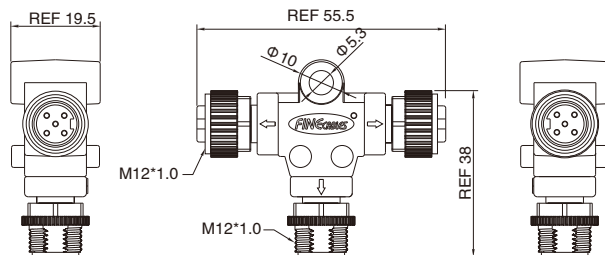
### Electrical data & Mechanical data

Contacts	Available Coding			Rated current	Voltage		Part No.
	A	B	D		A/C	D/C	
03 pins				4A	250V	250V	MY2-A03 MY2-B03
04 pins				4A	250V	250V	MY2-A04 MY2-B04 MY2-D04
05 pins				4A	60V	60V	MY2-A05 MY2-B05
08 pins				2A	30V	30V	MY2-A08

## M12 T-Splitter, Female-Male-Female

- Connector series: M12
- Gender: Female&Male
- Coding: A,B,D
- Locking type: Fix screw
- Mounting type: T type
- Part No.: MT-\*XX

\* refers to coding type  
XX refers to pins number



### General information



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

Insulation resistance:	≥ 100MΩ
Contact resistance :	≤ 5mΩ
Shielding:	Unavailable
IP rating:	IP68 in locked condition
Mating endurance:	>500 cycles

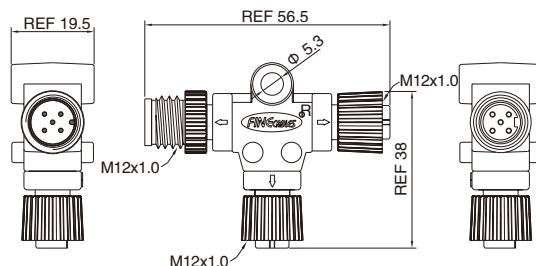
### Electrical data & Mechanical data

Contacts	Available Coding				Rated current	Voltage		Part No.
	A	B	D			A/C	D/C	
03 pins	 Male	 Female	 Male	 Female	4A	250V	250V	MT-A03 MT-B03
04 pins	 Male	 Female	 Male	 Female	4A	250V	250V	MT-A04 MT-B04 MT-D04
05 pins	 Male	 Female	 Male	 Female	4A	60V	60V	MT-A05 MT-B05
08 pins	 Male	 Female			2A	30V	30V	MT-A08

## M12 Plastic T-Splitter, Female-Male-Female

- Connector series: M12
- Gender: Female&Male
- Coding: A,B,D
- Locking type: Plastic fix screw
- Mounting type: T type
- Part No.: MTP-\*XX

\* refers to coding type  
XX refers to pins number



### General information

Standard:	IEC 61076-2-101
Ambient temperature:	-20°C ~ + 80°C
Connector insert:	TPU; PA
Connector contacts:	Brass with gold plated
Connector nut/screw:	PA+GF
Connector overmold:	TPU
Seal/O-ring:	FKM

Insulation resistance:	≥ 100MΩ
Contact resistance :	≤ 5mΩ
Shielding:	Unavailable
IP rating:	IP68 in locked condition
Mating endurance:	>500 cycles

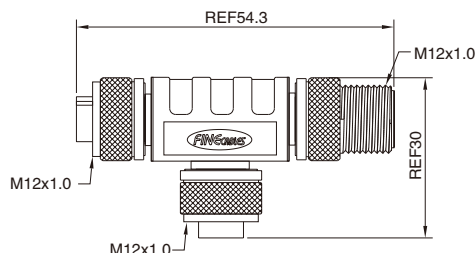
### Electrical data & Mechanical data

Contacts	Available Coding				Rated current	Voltage		Part No.
	A	B	D	A/C		D/C		
03 pins	 Male	 Female	 Male	 Female	4A	250V	250V	MTP-A03 MTP-B03
04 pins	 Male	 Female	 Male	 Female	4A	250V	250V	MTP-A04 MTP-B04 MTP-D04
05 pins	 Male	 Female	 Male	 Female	4A	60V	60V	MTP-A05 MTP-B05
08 pins	 Male	 Female			2A	30V	30V	MTP-A08

## M12 T-Splitter, Female-Male-Female, Shielded

- Connector series: M12
- Gender: Female&Male
- Coding: A,B,D
- Locking type: Fix screw
- Mounting type: T type
- Part No.: MTS-\*XX

\* refers to coding type  
XX refers to pins number



### General information



Standard:	IEC 61076-2-101
Ambient temperature:	-25°C ~ + 90°C
Connector insert:	TPU; PA
Connector contacts:	Brass with gold plated
Connector nut/screw:	Brass with nickel plated
Connector overmold:	TPU
Seal/O-ring:	Epoxy resin/FKM

Insulation resistance:	≥ 100MΩ
Contact resistance :	≤ 5mΩ
Shielding:	Available
IP rating:	IP68 in locked condition
Mating endurance:	>500 cycles

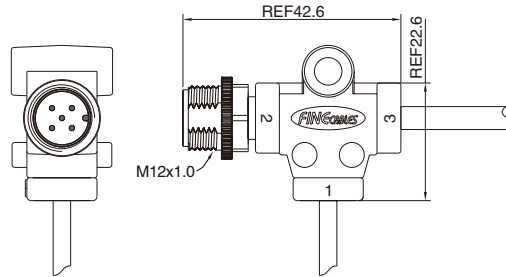
### Electrical data & Mechanical data

Contacts	Available Coding				Rated current	Voltage		Part No.
	A	B	D			A/C	D/C	
03 pins	 Male	 Female	 Male	 Female	4A	250V	250V	MTS-A03 MTS-B03
04 pins	 Male	 Female	 Male	 Female	4A	250V	250V	MTS-A04 MTS-B04 MTS-D04
05 pins	 Male	 Female	 Male	 Female	4A	60V	60V	MTS-A05 MTS-B05
08 pins	 Male	 Female			2A	30V	30V	MTS-A08

## M12 T-Splitter, Male with Molded Cable

- Connector series: M12
- Gender: Male&Cable
- Coding: A,B,D
- Locking type: Fix screw
- Mounting type: T type
- Part No.: MTC-M\*HD\*-XXXXXX

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



### General information

Standard:	IEC 61076-2-101
Ambient temperature:	-20°C ~ +80°C
Connector insert:	TPU
Connector contacts:	Brass with gold plated
Connector nut/screw:	Zinc alloy with nickel plated
Connector overmold:	TPU
Seal/O-ring:	FKM

Insulation resistance:	≥ 100MΩ
Contact resistance :	≤ 5mΩ
Shielding:	Unavailable
IP rating:	IP68 in locked condition
Mating endurance:	>500 cycles

### Electrical data & Mechanical data

Contacts	Available Coding			Rated current	Voltage		Wire gauge / size		Cable jacket	Part No.
	A	B	D		A/C	D/C	AWG	mm <sup>2</sup>		
03 pins				4A	250V	250V	22AWG	0.34	PUR/PVC	MTC-MAHD03- <u>XXX</u> B34 MTC-MBHD03- <u>XXX</u> B34
04 pins				4A	250V	250V	22AWG	0.34	PUR/PVC	MTC-MAHD04- <u>XXX</u> B34 MTC-MBHD04- <u>XXX</u> B34 MTC-MDHD04- <u>XXX</u> B34
05 pins				4A	60V	60V	22AWG	0.34	PUR/PVC	MTC-MAHD05- <u>XXX</u> B34 MTC-MBHD05- <u>XXX</u> B34
08 pins				2A	30V	30V	24AWG	0.25	PUR/PVC	MTC-MAHD08- <u>XXX</u> B25

Note: X refers to cable specification

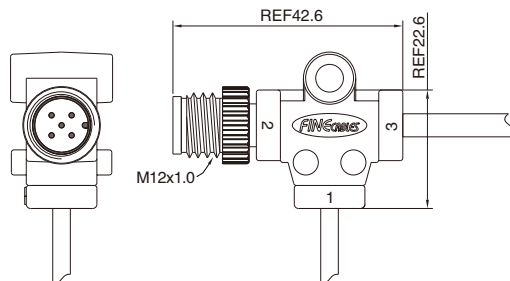
### Remarks

- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm<sup>2</sup>.

## M12 Plastic T-Splitter, Male with Molded Cable

- Connector series: M12
- Gender: Male&Cable
- Coding: A,B,D
- Locking type: Plastic fix screw
- Mounting type: T type
- Part No.: MTC-M\*P\*\*-XXXXXX

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



### General information

Standard:	IEC 61076-2-101
Ambient temperature:	-20°C ~ +80°C
Connector insert:	TPU
Connector contacts:	Brass with gold plated
Connector nut/screw:	PA+GF
Connector overmold:	TPU
Seal/O-ring:	FKM

Insulation resistance:	≥ 100MΩ
Contact resistance :	≤ 5mΩ
Shielding:	Unavailable
IP rating:	IP68 in locked condition
Mating endurance:	>500 cycles

### Electrical data & Mechanical data

Contacts	Available Coding			Rated current	Voltage		Wire gauge / size		Cable jacket	Part No.
	A	B	D		A/C	D/C	AWG	mm <sup>2</sup>		
03 pins				4A	250V	250V	22AWG	0.34	PUR/PVC	MTC-MAP03- <u>XXX</u> B34 MTC-MBP03- <u>XXX</u> B34
04 pins				4A	250V	250V	22AWG	0.34	PUR/PVC	MTC-MAP04- <u>XXX</u> B34 MTC-MBP04- <u>XXX</u> B34 MTC-MDP04- <u>XXX</u> B34
05 pins				4A	60V	60V	22AWG	0.34	PUR/PVC	MTC-MAP05- <u>XXX</u> B34 MTC-MBP05- <u>XXX</u> B34
08 pins				2A	30V	30V	24AWG	0.25	PUR/PVC	MTC-MAP08- <u>XXX</u> B25

Note: X refers to cable specification

### Remarks

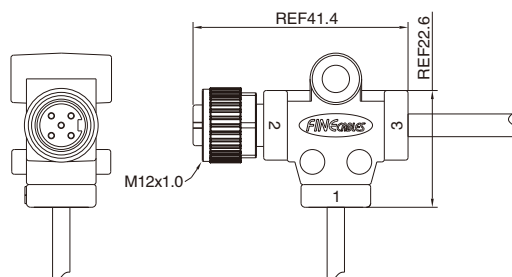
- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm<sup>2</sup>.



## M12 T-Splitter, Female with Molded Cable

- Connector series: M12
- Gender: Female&Cable
- Coding: A,B,D
- Locking type: Fix screw
- Mounting type: T type
- Part No.: MTC-F\*HD\*-XXXXXX

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



### General information

Standard:	IEC 61076-2-101
Ambient temperature:	-20°C ~ +80°C
Connector insert:	TPU
Connector contacts:	Brass with gold plated
Connector nut/screw:	Zinc alloy with nickel plated
Connector overmold:	TPU
Seal/O-ring:	FKM

Insulation resistance:	≥ 100MΩ
Contact resistance :	≤ 5mΩ
Shielding:	Unavailable
IP rating:	IP68 in locked condition
Mating endurance:	>500 cycles

### Electrical data & Mechanical data

Contacts	Available Coding			Rated current	Voltage		Wire gauge / size		Cable jacket	Part No.
	A	B	D		A/C	D/C	AWG	mm <sup>2</sup>		
03 pins				4A	250V	250V	22AWG	0.34	PUR/PVC	MTC-FAHD03-XXXB34 MTC-FBHD03-XXXB34
04 pins				4A	250V	250V	22AWG	0.34	PUR/PVC	MTC-FAHD04-XXXB34 MTC-FBHD04-XXXB34 MTC-FDHD04-XXXB34
05 pins				4A	60V	60V	22AWG	0.34	PUR/PVC	MTC-FAHD05-XXXB34 MTC-FBHD05-XXXB34
08 pins				2A	30V	30V	24AWG	0.25	PUR/PVC	MTC-FAHD08-XXXB25

Note: X refers to cable specification

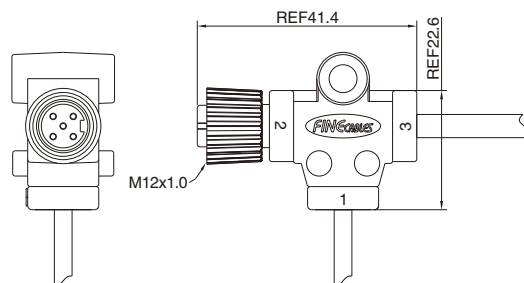
### Remarks

- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm<sup>2</sup>.

## M12 Plastic T-Splitter, Female with Molded Cable

- Connector series: M12
- Gender: Female&Cable
- Coding: A,B,D
- Locking type: Plastic fix screw
- Mounting type: T type
- Part No.: MTC-F\*P\*\*.-XXXXXX

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



### General information

Standard:	IEC 61076-2-101
Ambient temperature:	-20°C ~ +80°C
Connector insert:	TPU
Connector contacts:	Brass with gold plated
Connector nut/screw:	PA+GF
Connector overmold:	TPU
Seal/O-ring:	FKM

Insulation resistance:	≥ 100MΩ
Contact resistance :	≤ 5mΩ
Shielding:	Unavailable
IP rating:	IP68 in locked condition
Mating endurance:	>500 cycles

### Electrical data & Mechanical data

Contacts	Available Coding			Rated current	Voltage		Wire gauge / size		Cable jacket	Part No.
	A	B	D		A/C	D/C	AWG	mm <sup>2</sup>		
03 pins				4A	250V	250V	22AWG	0.34	PUR/PVC	MTC-FAP03-XXXB34 MTC-FBP03-XXXB34
04 pins				4A	250V	250V	22AWG	0.34	PUR/PVC	MTC-FAP04-XXXB34 MTC-FBP04-XXXB34 MTC-FDP04-XXXB34
05 pins				4A	60V	60V	22AWG	0.34	PUR/PVC	MTC-FAP05-XXXB34 MTC-FBP05-XXXB34
08 pins				2A	30V	30V	24AWG	0.25	PUR/PVC	MTC-FAP08-XXXB25

Note: X refers to cable specification

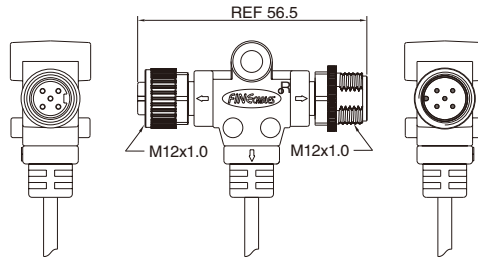
### Remarks

- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm<sup>2</sup>.

## M12 T-Splitter, Male-Female, Molded Cable

- Connector series: M12
- Gender: Male&Female
- Coding: A,B,D
- Locking type: Fix screw
- Mounting type: T type
- Part No.: MTC-MF\*HD\*\* -XXXXXX

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



### General information

Standard:	IEC 61076-2-101
Ambient temperature:	-20°C ~ + 80°C
Connector insert:	TPU; PA
Connector contacts:	Brass with gold plated
Connector nut/screw:	Zinc alloy with nickel plated
Connector overmold:	TPU
Seal/O-ring:	FKM

Insulation resistance:	≥ 100MΩ
Contact resistance :	≤ 5mΩ
Shielding:	Unavailable
IP rating:	IP68 in locked condition
Mating endurance:	>500 cycles

### Electrical data & Mechanical data

Contacts	Available Coding			Rated current	Voltage		Wire gauge / size		Cable jacket	Part No.
	A	B	D		A/C	D/C	AWG	mm <sup>2</sup>		
03 pins	 Male  Female	 Male  Female		4A	250V	250V	22AWG	0.34	PUR/PVC	MTC-MFAHD03-XXXB34 MTC-MFBHD03-XXXB34
04 pins	 Male  Female	 Male  Female	 Male  Female	4A	250V	250V	22AWG	0.34	PUR/PVC	MTC-MFAHD04-XXXB34 MTC-MFBHD04-XXXB34 MTC-MFDHD04-XXXB34
05 pins	 Male  Female	 Male  Female		4A	60V	60V	22AWG	0.34	PUR/PVC	MTC-MFAHD05-XXXB34 MTC-MFBHD05-XXXB34
08 pins	 Male  Female			2A	30V	30V	24AWG	0.25	PUR/PVC	MTC-MFAHD08-XXXB25

Note: X refers to cable specification

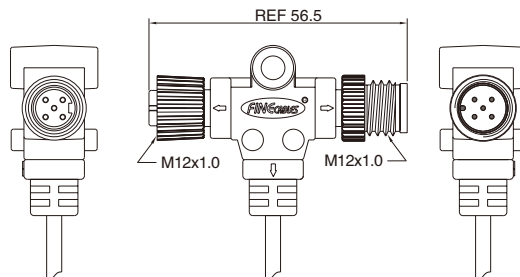
### Remarks

- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm<sup>2</sup>.

## M12 Plastic T-Splitter, Male-Female, Molded Cable

- Connector series: M12
- Gender: Male&Female
- Coding: A,B,D
- Locking type: Plastic fix screw
- Mounting type: T type
- Part No.: MTC-MF\*P\*\*-XXXXXX

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



### General information

Standard:	IEC 61076-2-101
Ambient temperature:	-20°C ~ + 80°C
Connector insert:	TPU; PA
Connector contacts:	Brass with gold plated
Connector nut/screw:	PA+GF
Connector overmold:	TPU
Seal/O-ring:	FKM

Insulation resistance:	≥ 100MΩ
Contact resistance :	≤ 5mΩ
Shielding:	Unavailable
IP rating:	IP68 in locked condition
Mating endurance:	>500 cycles

### Electrical data & Mechanical data

Contacts	Available Coding			Rated current	Voltage		Wire gauge / size		Cable jacket	Part No.
	A	B	D		A/C	D/C	AWG	mm <sup>2</sup>		
03 pins	 Male  Female	 Male  Female		4A	250V	250V	22AWG	0.34	PUR/PVC	MTC-MFAP03- <u>XXX</u> B34 MTC-MFBP03- <u>XXX</u> B34
04 pins	 Male  Female	 Male  Female	 Male  Female	4A	250V	250V	22AWG	0.34	PUR/PVC	MTC-MFAP04- <u>XXX</u> B34 MTC-MFBP04- <u>XXX</u> B34 MTC-MFDP04- <u>XXX</u> B34
05 pins	 Male  Female	 Male  Female		4A	60V	60V	22AWG	0.34	PUR/PVC	MTC-MFAP05- <u>XXX</u> B34 MTC-MFBP05- <u>XXX</u> B34
08 pins	 Male  Female			2A	30V	30V	24AWG	0.25	PUR/PVC	MTC-MFAP08- <u>XXX</u> B25

Note: X refers to cable specification

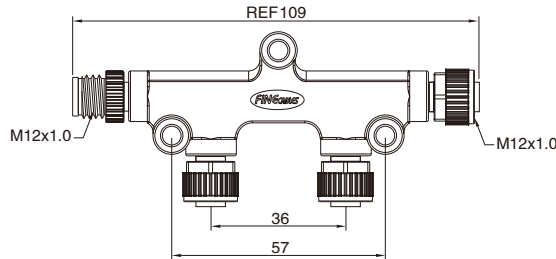
### Remarks

- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm<sup>2</sup>.

## M12 Multi-Way 4T-Splitter, Male-3\*Female

- Connector series: M12
- Gender: Male&Female
- Coding: A,B,D
- Locking type: Fix screw
- Mounting type: T type
- Part No.: M4T-\*XX

\* refers to coding type  
XX refers to pins number



### General information

Standard:	IEC 61076-2-101
Ambient temperature:	-20°C ~ + 80°C
Connector insert:	TPU; PA
Connector contacts:	Brass with gold plated
Connector nut/screw:	Zinc alloy with nickel plated
Connector overmold:	TPU
Seal/O-ring:	FKM

Insulation resistance:	≥ 100MΩ
Contact resistance :	≤ 5mΩ
Shielding:	Unavailable
IP rating:	IP68 in locked condition
Mating endurance:	>500 cycles

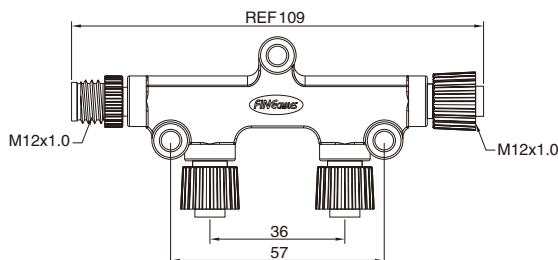
### Electrical data & Mechanical data

Contacts	Available Coding			Rated current	Voltage		Part No.
	A	B	D		A/C	D/C	
03 pins	 Male  Female	 Male  Female		4A	250V	250V	M4T-A03 M4T-B03
04 pins	 Male  Female	 Male  Female	 Male  Female	4A	250V	250V	M4T-A04 M4T-B04 M4T-D04
05 pins	 Male  Female	 Male  Female		4A	60V	60V	M4T-A05 M4T-B05
08 pins	 Male  Female			2A	30V	30V	M4T-A08

## M12 Plastic Multi-Way 4T-Splitter, Male-3\*Female

- Connector series: M12
- Gender: Male&Female
- Coding: A,B,D
- Locking type: Plastic fix screw
- Mounting type: T type
- Part No.: M4TP-\*XX

\* refers to coding type  
XX refers to pins number



### General information

Standard:	IEC 61076-2-101
Ambient temperature:	-20°C ~ + 80°C
Connector insert:	TPU; PA
Connector contacts:	Brass with gold plated
Connector nut/screw:	PA+GF
Connector overmold:	TPU
Seal/O-ring:	FKM

Insulation resistance:	≥ 100MΩ
Contact resistance :	≤ 5mΩ
Shielding:	Unavailable
IP rating:	IP68 in locked condition
Mating endurance:	>500 cycles

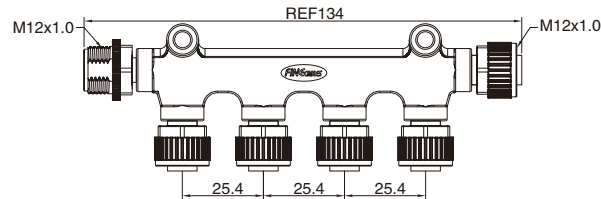
### Electrical data & Mechanical data

Contacts	Available Coding			Rated current	Voltage		Part No.
	A	B	D		A/C	D/C	
03 pins	 Male  Female	 Male  Female		4A	250V	250V	M4TP-A03 M4TP-B03
04 pins	 Male  Female	 Male  Female	 Male  Female	4A	250V	250V	M4TP-A04 M4TP-B04 M4TP-D04
05 pins	 Male  Female	 Male  Female		4A	60V	60V	M4TP-A05 M4TP-B05
08 pins	 Male  Female			2A	30V	30V	M4TP-A08

## M12 Multi-Way 6T-Splitter, Male-5\*Female

- Connector series: M12
- Gender: Male&Female
- Coding: A,B,D
- Locking type: Fix screw
- Mounting type: T type
- Part No.: M6T-\*XX

\* refers to coding type  
XX refers to pins number



### General information



Standard:	IEC 61076-2-101
Ambient temperature:	-20°C~ + 80°C
Connector insert:	TPU; PA
Connector contacts:	Brass with gold plated
Connector nut/screw:	Zinc alloy with nickel plated
Connector overmold:	TPU
Seal/O-ring:	FKM

Insulation resistance:	≥ 100MΩ
Contact resistance :	≤ 5mΩ
Shielding:	Unavailable
IP rating:	IP68 in locked condition
Mating endurance:	>500 cycles

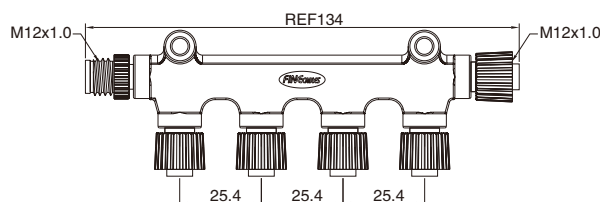
### Electrical data & Mechanical data

Contacts	Available Coding			Rated current	Voltage		Part No.
	A	B	D		A/C	D/C	
03 pins	 Male Female	 Male Female		4A	250V	250V	M6T-A03 M6T-B03
04 pins	 Male Female	 Male Female	 Male Female	4A	250V	250V	M6T-A04 M6T-B04 M6T-D04
05 pins	 Male Female	 Male Female		4A	60V	60V	M6T-A05 M6T-B05
08 pins	 Male Female			2A	30V	30V	M6T-A08

## M12 Plastic Multi-Way 6T-Splitter, Male-5\*Female

- Connector series: M12
- Gender: Male&Female
- Coding: A,B,D
- Locking type: Plastic fix screw
- Mounting type: T type
- Part No.: M6TP-\*XX

\* refers to coding type  
XX refers to pins number



### General information

Standard:	IEC 61076-2-101
Ambient temperature:	-20°C ~ + 80°C
Connector insert:	TPU; PA
Connector contacts:	Brass with gold plated
Connector nut/screw:	PA+GF
Connector overmold:	TPU
Seal/O-ring:	FKM

Insulation resistance:	≥ 100MΩ
Contact resistance :	≤ 5mΩ
Shielding:	Unavailable
IP rating:	IP68 in locked condition
Mating endurance:	>500 cycles

### Electrical data & Mechanical data

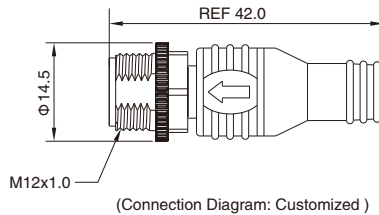
Contacts	Available Coding			Rated current	Voltage		Part No.
	A	B	D		A/C	D/C	
03 pins	 Male  Female	 Male  Female		4A	250V	250V	M6TP-A03 M6TP-B03
04 pins	 Male  Female	 Male  Female	 Male  Female	4A	250V	250V	M6TP-A04 M6TP-B04 M6TP-D04
05 pins	 Male  Female	 Male  Female		4A	60V	60V	M6TP-A05 M6TP-B05
08 pins	 Male  Female			2A	30V	30V	M6TP-A08



## M12 Male Terminator

- Connector series: M12
- Gender: Male
- Coding: A,B,C,D
- Locking type: Fix screw
- Mounting type: Straight
- Part No.: MA12M\*HD\*\*ST-T

\* refers to coding type  
\*\* refers to pins number



### General information



Standard:	IEC 61076-2-101
Ambient temperature:	-25°C ~ +90°C
Connector insert:	TPU
Connector contacts:	Brass with gold plated
Connector screw:	Zinc alloy with nickel plated
Connector overmold:	TPU

Seal/O-ring:	FKM
Insulation resistance:	≥ 100MΩ
Contact resistance :	≤ 5mΩ
Shielding:	Unavailable
IP rating:	IP68 in locked condition
Mating endurance:	>500 cycles

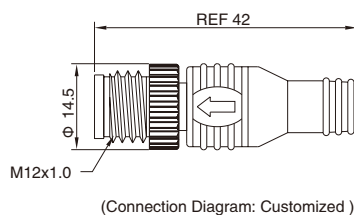
### Electrical data & Mechanical data

Contacts	Available Coding				Rated current	Voltage		Part No.
	A	B	C	D		A/C	D/C	
03 pins					4A	250V	250V	MA12MAHD03ST-T MA12MBHD03ST-T MA12MCHD03ST-T
04 pins					4A	250V	250V	MA12MAHD04ST-T MA12MBHD04ST-T MA12MCHD04ST-T MA12MDHD04ST-T
05 pins					4A 2A(C-code)	60V	60V	MA12MAHD05ST-T MA12MBHD05ST-T MA12MCHD05ST-T
06 pins					2A	30V	30V	MA12MCHD06ST-T
08 pins					2A	30V	30V	MA12MAHD08ST-T
12 pins					1.5A	30V	30V	MA12MAHD12ST-T
17 pins					1.5A	30V	30V	MA12MAHD17ST-T

## M12 Plastic Male Terminator

- Connector series: M12
- Gender: Male
- Coding: A,B,C,D
- Locking type: Plastic fix screw
- Mounting type: Straight
- Part No.: MA12M\*P\*\*ST-T

\* refers to coding type  
\*\* refers to pins number



### General information



Standard:	IEC 61076-2-101
Ambient temperature:	-25°C ~ +90°C
Connector insert:	TPU
Connector contacts:	Brass with gold plated
Connector screw:	PA+GF
Connector overmold:	TPU

Seal/O-ring:	FKM
Insulation resistance:	≥ 100MΩ
Contact resistance :	≤ 5mΩ
Shielding:	Unavailable
IP rating:	IP68 in locked condition
Mating endurance:	>500 cycles

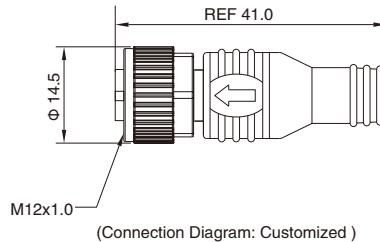
### Electrical data & Mechanical data

Contacts	Available Coding				Rated current	Voltage		Part No.
	A	B	C	D		A/C	D/C	
03 pins					4A	250V	250V	MA12MAP03ST-T MA12MBP03ST-T MA12MCP03ST-T
04 pins					4A	250V	250V	MA12MAP04ST-T MA12MBP04ST-T MA12MCP04ST-T MA12MDP04ST-T
05 pins					4A 2A(C-code)	60V	60V	MA12MAP05ST-T MA12MBP05ST-T MA12MCP05ST-T
06 pins					2A	30V	30V	MA12MCP06ST-T
08 pins					2A	30V	30V	MA12MAP08ST-T
12 pins					1.5A	30V	30V	MA12MAP12ST-T

## M12 Female Terminator

- Connector series: M12
- Gender: Female
- Coding: A,B,C,D
- Locking type: Fix screw
- Mounting type: Straight
- Part No.: MA12F\*HD\*\*ST-T

\* refers to coding type  
\*\* refers to pins number



(Connection Diagram: Customized)



### General information



Standard:	IEC 61076-2-101
Ambient temperature:	-25°C ~ +90°C
Connector insert:	TPU; PA
Connector contacts:	Brass with gold plated
Connector screw:	Zinc alloy with nickel plated
Connector overmold:	TPU

Seal/O-ring:	FKM
Insulation resistance:	≥ 100MΩ
Contact resistance :	≤ 5mΩ
Shielding:	Unavailable
IP rating:	IP68 in locked condition
Mating endurance:	>500 cycles

### Electrical data & Mechanical data

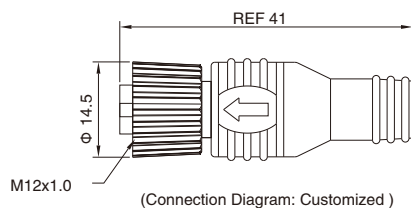
Contacts	Available Coding				Rated current	Voltage		Part No.
	A	B	C	D		A/C	D/C	
03 pins					4A	250V	250V	MA12FAHD03ST-T MA12FBHD03ST-T MA12FCHD03ST-T
04 pins					4A	250V	250V	MA12FAHD04ST-T MA12FBHD04ST-T MA12FCHD04ST-T MA12FDHD04ST-T
05 pins					4A 2A(C-code)	60V	60V	MA12FAHD05ST-T MA12FBHD05ST-T MA12FCHD05ST-T
06 pins					2A	30V	30V	MA12FCHD06ST-T
08 pins					2A	30V	30V	MA12FAHD08ST-T
12 pins					1.5A	30V	30V	MA12FAHD12ST-T
17 pins					1.5A	30V	30V	MA12FAHD17ST-T

## M12 Plastic Female Terminator

- Connector series: M12
- Gender: Female
- Coding: A,B,C,D
- Locking type: Plastic fix screw
- Mounting type: Straight
- Part No.: MA12F\*\*P\*\*ST-T

\* refers to coding type

\*\* refers to pins number



### General information



Standard:	IEC 61076-2-101
Ambient temperature:	-25°C ~ +90°C
Connector insert:	TPU; PA
Connector contacts:	Brass with gold plated
Connector screw:	PA+GF
Connector overmold:	TPU

Seal/O-ring:	FKM
Insulation resistance:	≥ 100MΩ
Contact resistance :	≤ 5mΩ
Shielding:	Unavailable
IP rating:	IP68 in locked condition
Mating endurance:	>500 cycles

### Electrical data & Mechanical data

Contacts	Available Coding				Rated current	Voltage		Part No.
	A	B	C	D		A/C	D/C	
03 pins					4A	250V	250V	MA12FAP03ST-T MA12FBP03ST-T MA12FCP03ST-T
04 pins					4A	250V	250V	MA12FAP04ST-T MA12FBP04ST-T MA12FCP04ST-T MA12FDP04ST-T
05 pins					4A 2A(C-code)	60V	60V	MA12FAP05ST-T MA12FBP05ST-T MA12FCP05ST-T
06 pins					2A	30V	30V	MA12FCP06ST-T
08 pins					2A	30V	30V	MA12FAP08ST-T
12 pins					1.5A	30V	30V	MA12FAP12ST-T