

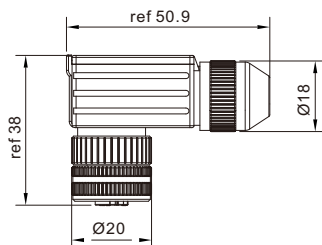
M12 Female Field Wirable Assembly, Angled, Screw joint, Shielded with Die-cast body

- Connector series: M12
- Gender: Female
- Coding: A,B,D
- Locking type: Fix screw
- Mounting type: Right angled
- Part No.: MB12FWS*FF**RA-A
MB12FWS*FF**RA-B

* refers to coding type

** refers to pins number

– suitable cable Dia: A:4~6mm B:6~8mm



General information

Standard:	IEC 61076-2-101
Ambient temperature:	-25℃ ~ +90℃
Connector insert:	TPU
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:4~6mm; B:6~8mm
IP rating:	IP68 in locked condition
Mating endurance:	>500 cycles

Electrical data & Mechanical data

Contacts	Available Coding			Contacts termination	Rated current	Voltage		Wire gauge / size		Cable jacket	Part No.
	A	B	D			A/C	D/C	AWG	mm ²		
03 pins				Screw joint	4A	250V	250V	22AWG	0.34	PUR/PVC or customized	MB12FWSAFF03RA-A/B MB12FWSBFF03RA-A/B
04 pins				Screw joint	4A	250V	250V	22AWG	0.34	PUR/PVC or customized	MB12FWSAFF04RA-A/B MB12FWSBFF04RA-A/B MB12FWSDBFF04RA-A/B
05 pins				Screw joint	4A	60V	60V	22AWG	0.34	PUR/PVC or customized	MB12FWSAFF05RA-A/B MB12FWSBFF05RA-A/B
08 pins				Screw joint	2A	30V	30V	24AWG	0.25	PUR/PVC or customized	MB12FWSAFF08RA-A/B

Remarks

- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm².
- Please refer to Page 96 for products' part number encoding rule.

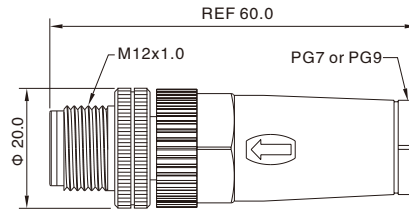
M12 Male Field Wirable Assembly, Straight, Screw joint

- Connector series: M12
- Gender: Male
- Coding: A,B,D
- Locking type: Fix screw
- Mounting type: Straight
- Part No.: MB12MW*FF**ST-X

* refers to coding type

** refers to pins number

X refers to Cable gland size: 3=PG9, 4=PG7



General information

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

Insulation resistance:	≥ 100MΩ
Contact resistance :	≤ 5mΩ
Shielding:	Unavailable
Suitable cable Dia:	PG7:4~6mm / PG9:6~8mm
IP rating:	IP68 in locked condition
Assembly Instruction:	Refer to page 284
Mating endurance:	>500 cycles

Electrical data & Mechanical data

Contacts	Available Coding			Contacts termination	Rated current	Voltage		Wire gauge / size		Cable jacket	Part No.
	A	B	D			A/C	D/C	AWG	mm ²		
03 pins				Screw joint	4A	250V	250V	22AWG	0.34	PUR/PVC or customized	MB12MWAFF03ST-X MB12MWBFF03ST-X
04 pins				Screw joint	4A	250V	250V	22AWG	0.34	PUR/PVC or customized	MB12MWAFF04ST-X MB12MWBFF04ST-X MB12MWCFF04ST-X
05 pins				Screw joint	4A	60V	60V	22AWG	0.34	PUR/PVC or customized	MB12MWAFF05ST-X MB12MWBFF05ST-X
08 pins				Screw joint	2A	30V	30V	24AWG	0.25	PUR/PVC or customized	MB12MWAFF08ST-X

Note: X refers to Cable gland size: 3=PG9, 4=PG7

Remarks

- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm².
- Please refer to Page 96 for products' part number encoding rule.

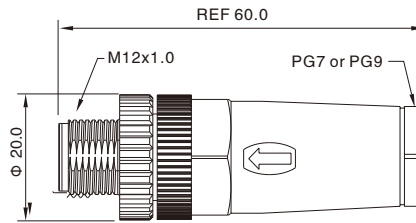
M12 Male Field Wirable Assembly, Straight, Screw joint, Plastic Screw

- Connector series: M12
- Gender: Male
- Coding: A,B,D
- Locking type: Plastic fix screw
- Mounting type: Straight
- Part No.: MB12MW*FP**ST-X

* refers to coding type

** refers to pins number

X refers to Cable gland size: 3=PG9, 4=PG7



General information

Standard: IEC 61076-2-101

Ambient temperature: -25°C ~ +90°C

Connector insert: TPU

Connector contacts: Brass with gold plated

Connector nut/screw: PA+GF

Connector body: PA+GF

Seal / O-ring: FKM

Insulation resistance: $\geq 100\text{M}\Omega$

Contact resistance: $\leq 5\text{m}\Omega$

Shielding: Unavailable

Suitable cable Dia: PG7:4~6mm / PG9:6~8mm

IP rating: IP68 in locked condition

Assembly Instruction: Refer to page 284

Mating endurance: >500 cycles

Electrical data & Mechanical data

Contacts	Available Coding			Contacts termination	Rated current	Voltage		Wire gauge / size		Cable jacket	Part No.
	A	B	D			A/C	D/C	AWG	mm ²		
03 pins				Screw joint	4A	250V	250V	22AWG	0.34	PUR/PVC or customized	MB12MWAFP03ST-X MB12MWBFP03ST-X
04 pins				Screw joint	4A	250V	250V	22AWG	0.34	PUR/PVC or customized	MB12MWAFP04ST-X MB12MWBFP04ST-X MB12MWCFP04ST-X
05 pins				Screw joint	4A	60V	60V	22AWG	0.34	PUR/PVC or customized	MB12MWAFP05ST-X MB12MWBFP05ST-X
08 pins				Screw joint	2A	30V	30V	24AWG	0.25	PUR/PVC or customized	MB12MWAFP08ST-X

Note: X refers to Cable gland size: 3=PG9, 4=PG7

Remarks

- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm².
- Please refer to Page 96 for products' part number encoding rule.

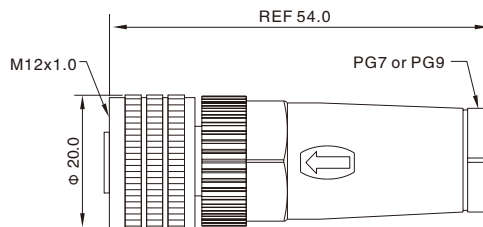
M12 Female Field Wirable Assembly, Straight, Screw joint

- Connector series: M12
- Gender: Female
- Coding: A,B,D
- Locking type: Fix screw
- Mounting type: Straight
- Part No.: MB12FW*FF**ST-X

* refers to coding type

** refers to pins number

X refers to Cable gland size: 3=PG9, 4=PG7



General information



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

Insulation resistance:	≥ 100MΩ
Contact resistance :	≤ 5mΩ
Shielding:	Unavailable
Suitable cable Dia:	PG7:4~6mm / PG9:6~8mm
IP rating:	IP68 in locked condition
Assembly Instruction:	Refer to page 284
Mating endurance:	>500 cycles

Electrical data & Mechanical data

Contacts	Available Coding			Contacts termination	Rated current	Voltage		Wire gauge / size		Cable jacket	Part No.
	A	B	D			A/C	D/C	AWG	mm ²		
03 pins				Screw joint	4A	250V	250V	22AWG	0.34	PUR/PVC or customized	MB12FWAFF03ST-X MB12FWBFF03ST-X
04 pins				Screw joint	4A	250V	250V	22AWG	0.34	PUR/PVC or customized	MB12FWAFF04ST-X MB12FWBFF04ST-X MB12FWCFF04ST-X
05 pins				Screw joint	4A	60V	60V	22AWG	0.34	PUR/PVC or customized	MB12FWAFF05ST-X MB12FWBFF05ST-X
08 pins				Screw joint	2A	30V	30V	24AWG	0.25	PUR/PVC or customized	MB12FWAFF08ST-X

Note: X refers to Cable gland size: 3=PG9, 4=PG7

Remarks

- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm².
- Please refer to Page 96 for products' part number encoding rule.

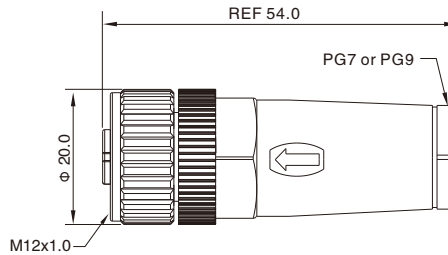
M12 Female Field Wirable Assembly, Straight, Screw joint, Plastic Nut

- Connector series: M12
- Gender: Female
- Coding: A,B,D
- Locking type: Plastic fix screw
- Mounting type: Straight
- Part No.: MB12FW*FP**ST-X

* refers to coding type

** refers to pins number

X refers to Cable gland size: 3=PG9, 4=PG7



General information



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

Insulation resistance:	≥ 100MΩ
Contact resistance :	≤ 5mΩ
Shielding:	Unavailable
Suitable cable Dia:	PG7:4~6mm / PG9:6~8mm
IP rating:	IP68 in locked condition
Assembly Instruction:	Refer to page 284
Mating endurance:	>500 cycles

Electrical data & Mechanical data

Contacts	Available Coding			Contacts termination	Rated current	Voltage		Wire gauge / size		Cable jacket	Part No.
	A	B	D			A/C	D/C	AWG	mm ²		
03 pins				Screw joint	4A	250V	250V	22AWG	0.34	PUR/PVC or customized	MB12FWAFP03ST-X MB12FWBFP03ST-X
04 pins				Screw joint	4A	250V	250V	22AWG	0.34	PUR/PVC or customized	MB12FWAFP04ST-X MB12FWBFP04ST-X MB12FWCFP04ST-X
05 pins				Screw joint	4A	60V	60V	22AWG	0.34	PUR/PVC or customized	MB12FWAFP05ST-X MB12FWBFP05ST-X
08 pins				Screw joint	2A	30V	30V	24AWG	0.25	PUR/PVC or customized	MB12FWAFP08ST-X

Note: X refers to Cable gland size: 3=PG9, 4=PG7

Remarks

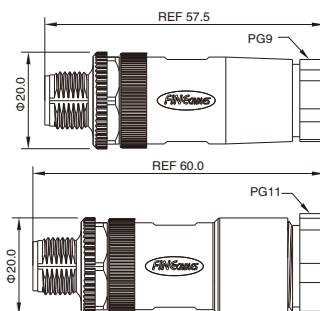
- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm².
- Please refer to Page 96 for products' part number encoding rule.

M12 Male Field Wirable Assembly, Straight, Screw joint, S-coding

- Connector series: M12
- Gender: Male
- Coding: S
- Locking type: Fix screw
- Mounting type: Straight
- Part No.: MB12MWSFHD**ST-X

** refers to pins number

X refers to cable gland size: 3=PG9, 7=PG11



General information

Standard: IEC 61076-2-111

Ambient temperature: -25°C ~ +90°C

Connector insert: PA

Connector contacts: Brass with gold plated

Connector nut/screw: Zinc alloy with nickel plated

Connector body: PA+GF

Seal / O-ring: FKM

Insulation resistance: $\geq 100M\Omega$

Contact resistance: $\leq 5m\Omega$

Shielding: Unavailable

Suitable cable Dia: PG9: 6-8mm / PG11: 8-10mm

IP rating: IP68 in locked condition

Assembly instruction: Refer to page 284

Mating endurance: >500 cycles

Electrical data & Mechanical data

Contacts		Contacts termination	Rated current	Rated Voltage		Wire gauge / size		Cable jacket	Part No.
				A/C	D/C	AWG	mm ²		
03 pins		Screw joint	12A(40°C)	630V	630V	16AWG	1.5	PUR/PVC or customized	MB12MWSFHD03ST-3
04 pins		Screw joint	12A(40°C)	630V	630V	16AWG	1.5	PUR/PVC or customized	MB12MWSFHD04ST-7

Remarks

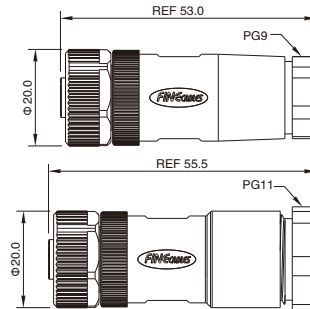
- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm².
- Please refer to Page 96 for products' part number encoding rule.

M12 Female Field Wirable Assembly, Straight, Screw joint, S-coding

- Connector series: M12
- Gender: Female
- Coding: S
- Locking type: Fix screw
- Mounting type: Straight
- Part No.: MB12FWSFHD**ST-X

** refers to pins number

X refers to cable gland size: 3=PG9, 7=PG11



General information

Standard:	IEC 61076-2-111
Ambient temperature:	-25℃~ +90℃
Connector insert:	PA
Connector contacts:	Brass with gold plated
Connector nut/screw:	Zinc alloy with nickel plated
Connector body:	PA+GF
Seal / O-ring:	FKM

Insulation resistance:	≥ 100MΩ
Contact resistance :	≤ 5mΩ
Shielding:	Unavailable
Suitable cable Dia:	PG9: 6-8mm / PG11: 8-10mm
IP rating:	IP68 in locked condition
Assembly instruction:	Refer to page 284
Mating endurance:	>500 cycles

Electrical data & Mechanical data

Contacts		Contacts termination	Rated current	Rated Voltage		Wire gauge / size		Cable jacket	Part No.
				A/C	D/C	AWG	mm ²		
03 pins	 (2+PE)	Screw joint	12A(40℃)	630V	630V	16AWG	1.5	PUR/PVC or customized	MB12FWSFHD03ST-3
04 pins	 (3+PE)	Screw joint	12A(40℃)	630V	630V	16AWG	1.5	PUR/PVC or customized	MB12FWSFHD04ST-7

Remarks

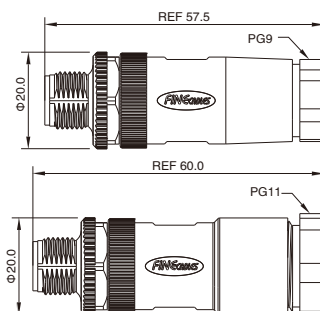
- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm².
- Please refer to Page 96 for products' part number encoding rule.

M12 Male Field Wirable Assembly, Straight, Screw joint, T-coding

- Connector series: M12
- Gender: Male
- Coding: T
- Locking type: Fix screw
- Mounting type: Straight
- Part No.: MB12MWTFHD**ST-X

** refers to pins number

X refers to cable gland size: 3=PG9, 7=PG11



General information

Standard: IEC 61076-2-111

Ambient temperature: -25°C ~ +90°C

Connector insert: PA

Connector contacts: Brass with gold plated

Connector nut/screw: Zinc alloy with nickel plated

Connector body: PA+GF

Seal / O-ring: FKM

Insulation resistance: $\geq 100\text{M}\Omega$

Contact resistance: $\leq 5\text{m}\Omega$

Shielding: Unavailable

Suitable cable Dia: PG9: 6-8mm / PG11: 8-10mm

IP rating: IP68 in locked condition

Assembly instruction: Refer to page 284

Mating endurance: >500 cycles

Electrical data & Mechanical data

Contacts		Contacts termination	Rated current	Rated Voltage		Wire gauge / size		Cable jacket	Part No.
				A/C	D/C	AWG	mm ²		
02 pins		Screw joint	12A(40°C)	630V	630V	16AWG	1.5	PUR/PVC or customized	MB12MWTFHD02ST-3
03 pins		Screw joint	12A(40°C)	630V	630V	16AWG	1.5	PUR/PVC or customized	MB12MWTFHD03ST-3
04 pins		Screw joint	12A(40°C)	630V	630V	16AWG	1.5	PUR/PVC or customized	MB12MWTFHD04ST-7

Remarks

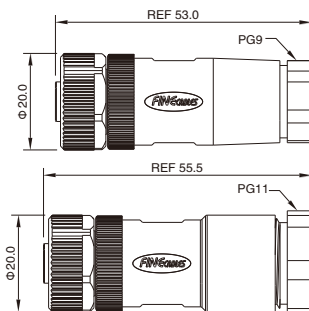
- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm².
- Please refer to Page 96 for products' part number encoding rule.

M12 Female Field Wirable Assembly, Straight, Screw joint, T-coding

- Connector series: M12
- Gender: Female
- Coding: T
- Locking type: Fix screw
- Mounting type: Straight
- Part No.: MB12FWTFHD**ST-X

** refers to pins number

X refers to cable gland size: 3=PG9, 7=PG11



General information

Standard:	IEC 61076-2-111
Ambient temperature:	-25℃~ +90℃
Connector insert:	PA
Connector contacts:	Brass with gold plated
Connector nut/screw:	Zinc alloy with nickel plated
Connector body:	PA+GF
Seal / O-ring:	FKM

Insulation resistance:	≥ 100MΩ
Contact resistance :	≤ 5mΩ
Shielding:	Unavailable
Suitable cable Dia:	PG9: 6-8mm / PG11: 8-10mm
IP rating:	IP68 in locked condition
Assembly instruction:	Refer to page 284
Mating endurance:	>500 cycles

Electrical data & Mechanical data

Contacts		Contacts termination	Rated current	Rated Voltage		Wire gauge / size		Cable jacket	Part No.
				A/C	D/C	AWG	mm ²		
02 pins		Screw joint	12A(40℃)	630V	630V	16AWG	1.5	PUR/PVC or customized	MB12FWTFHD02ST-3
03 pins		Screw joint	12A(40℃)	630V	630V	16AWG	1.5	PUR/PVC or customized	MB12FWTFHD03ST-3
04 pins		Screw joint	12A(40℃)	630V	630V	16AWG	1.5	PUR/PVC or customized	MB12FWTFHD04ST-7

Remarks

- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm².
- Please refer to Page 96 for products' part number encoding rule.

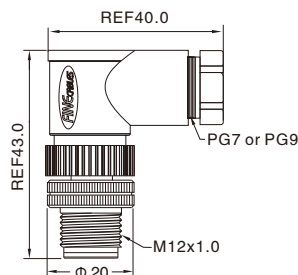
M12 Male Field Wirable Assembly, Angled, Screw joint

- Connector series: M12
- Gender: Male
- Coding: A,B,D
- Locking type: Fix screw
- Mounting type: Right angled
- Part No.: MB12MW*FF**RA-X

* refers to coding type

** refers to pins number

X refers to Cable gland size: 3=PG9, 4=PG7



General information



Standard:	IEC 61076-2-101
Ambient temperature:	-25℃ ~ +90℃
Connector insert:	TPU
Connector contacts:	Brass with gold plated
Connector nut/screw:	Aluminum Alloy anodized
Connector body:	PA+GF
Seal / O-ring:	FKM

Insulation resistance:	≥100MΩ
Contact resistance :	≤5mΩ
Shielding:	Unavailable
Suitable cable Dia:	PG7:4~6mm / PG9:6~8mm
IP rating:	IP68 in locked condition
Assembly Instruction:	Refer to page 284
Mating endurance:	>500 cycles

Electrical data & Mechanical data

Contacts	Available Coding			Contacts termination	Rated current	Voltage		Wire gauge / size		Cable jacket	Part No.
	A	B	D			A/C	D/C	AWG	mm ²		
03 pins				Screw joint	4A	250V	250V	22AWG	0.34	PUR/PVC or customized	MB12MWAFF03RA-X MB12MWBFF03RA-X
04 pins				Screw joint	4A	250V	250V	22AWG	0.34	PUR/PVC or customized	MB12MWAFF04RA-X MB12MWBFF04RA-X MB12MWCFF04RA-X
05 pins				Screw joint	4A	60V	60V	22AWG	0.34	PUR/PVC or customized	MB12MWAFF05RA-X MB12MWBFF05RA-X
08 pins				Screw joint	2A	30V	30V	24AWG	0.25	PUR/PVC or customized	MB12MWAFF08RA-X

Note: X refers to Cable gland size: 3=PG9, 4=PG7

Remarks

- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm².
- Please refer to Page 96 for products' part number encoding rule.

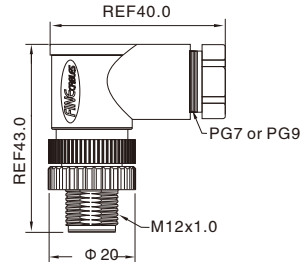
M12 Male Field Wirable Assembly, Angled, Screw joint, Plastic Screw

- Connector series: M12
- Gender: Male
- Coding: A,B,D
- Locking type: Plastic fix screw
- Mounting type: Right angled
- Part No.: MB12MW*FP**RA-X

* refers to coding type

** refers to pins number

X refers to Cable gland size: 3=PG9, 4=PG7



General information

Standard: IEC 61076-2-101

Ambient temperature: -25℃ ~ +90℃

Connector insert: TPU

Connector contacts: Brass with gold plated

Connector nut/screw: PA+GF

Connector body: PA+GF

Seal / O-ring: FKM

Insulation resistance: $\geq 100\text{M}\Omega$

Contact resistance: $\leq 5\text{m}\Omega$

Shielding: Unavailable

Suitable cable Dia: PG7:4~6mm / PG9:6~8mm

IP rating: IP68 in locked condition

Assembly Instruction: Refer to page 284

Mating endurance: >500 cycles

Electrical data & Mechanical data

Contacts	Available Coding			Contacts termination	Rated current	Voltage		Wire gauge / size		Cable jacket	Part No.
	A	B	D			A/C	D/C	AWG	mm ²		
03 pins				Screw joint	4A	250V	250V	22AWG	0.34	PUR/PVC or customized	MB12MWAFP03RA-X MB12MWBFP03RA-X
04 pins				Screw joint	4A	250V	250V	22AWG	0.34	PUR/PVC or customized	MB12MWAFP04RA-X MB12MWBFP04RA-X MB12MWCFP04RA-X
05 pins				Screw joint	4A	60V	60V	22AWG	0.34	PUR/PVC or customized	MB12MWAFP05RA-X MB12MWBFP05RA-X
08 pins				Screw joint	2A	30V	30V	24AWG	0.25	PUR/PVC or customized	MB12MWAFP08RA-X

Note: X refers to Cable gland size: 3=PG9, 4=PG7

Remarks

- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm².
- Please refer to Page 96 for products' part number encoding rule.

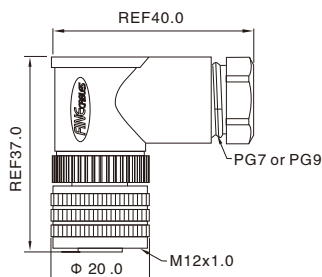
M12 Female Field Wirable Assembly, Angled, Screw joint

- Connector series: M12
- Gender: Female
- Coding: A,B,D
- Locking type: Fix screw
- Mounting type: Right angled
- Part No.: MB12FW*FF*RA-X

* refers to coding type

** refers to pins number

X refers to Cable gland size: 3=PG9, 4=PG7



General information

Standard:	IEC 61076-2-101
Ambient temperature:	-25℃ ~ +90℃
Connector insert:	TPU
Connector contacts:	Brass with gold plated
Connector nut/screw:	Aluminum Alloy anodized
Connector body:	PA+GF
Seal / O-ring:	FKM

Insulation resistance:	≥ 100MΩ
Contact resistance :	≤ 5mΩ
Shielding:	Unavailable
Suitable cable Dia:	PG7:4~6mm / PG9:6~8mm
IP rating:	IP68 in locked condition
Assembly Instruction:	Refer to page 282
Mating endurance:	>500 cycles

Electrical data & Mechanical data

Contacts	Available Coding			Contacts termination	Rated current	Voltage		Wire gauge / size		Cable jacket	Part No.
	A	B	D			A/C	D/C	AWG	mm ²		
03 pins				Screw joint	4A	250V	250V	22AWG	0.34	PUR/PVC or customized	MB12FWAFF03RA-X MB12FWBFF03RA-X
04 pins				Screw joint	4A	250V	250V	22AWG	0.34	PUR/PVC or customized	MB12FWAFF04RA-X MB12FWBFF04RA-X MB12FWCFF04RA-X
05 pins				Screw joint	4A	60V	60V	22AWG	0.34	PUR/PVC or customized	MB12FWAFF05RA-X MB12FWBFF05RA-X
08 pins				Screw joint	2A	30V	30V	24AWG	0.25	PUR/PVC or customized	MB12FWAFF08RA-X

Note: X refers to Cable gland size: 3=PG9, 4=PG7

Remarks

- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm².
- Please refer to Page 96 for products' part number encoding rule.

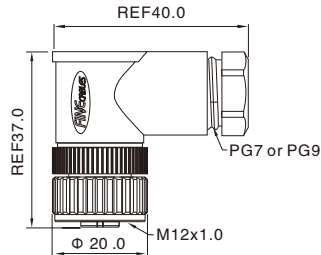
M12 Female Field Wirable Assembly, Angled, Screw joint, Plastic Nut

- Connector series: M12
- Gender: Female
- Coding: A,B,D
- Locking type: Plastic fix screw
- Mounting type: Right angled
- Part No.: MB12FW*FP**RA-X

* refers to coding type

** refers to pins number

X refers to Cable gland size: 3=PG9, 4=PG7



General information

Standard: IEC 61076-2-101

Ambient temperature: -25°C ~ +90°C

Connector insert: TPU

Connector contacts: Brass with gold plated

Connector nut/screw: PA+GF

Connector body: PA+GF

Seal / O-ring: FKM

Insulation resistance: $\geq 100\text{M}\Omega$

Contact resistance: $\leq 5\text{m}\Omega$

Shielding: Unavailable

Suitable cable Dia: PG7:4~6mm / PG9:6~8mm

IP rating: IP68 in locked condition

Assembly Instruction: Refer to page 282

Mating endurance: >500 cycles

Electrical data & Mechanical data

Contacts	Available Coding			Contacts termination	Rated current	Voltage		Wire gauge / size		Cable jacket	Part No.
	A	B	D			A/C	D/C	AWG	mm ²		
03 pins				Screw joint	4A	250V	250V	22AWG	0.34	PUR/PVC or customized	MB12FWAFP03RA-X MB12FWBFP03RA-X
04 pins				Screw joint	4A	250V	250V	22AWG	0.34	PUR/PVC or customized	MB12FWAFP04RA-X MB12FWBFP04RA-X MB12FWCFP04RA-X
05 pins				Screw joint	4A	60V	60V	22AWG	0.34	PUR/PVC or customized	MB12FWAFP05RA-X MB12FWBFP05RA-X
08 pins				Screw joint	2A	30V	30V	24AWG	0.25	PUR/PVC or customized	MB12FWAFP08RA-X

Note: X refers to Cable gland size: 3=PG9, 4=PG7

Remarks

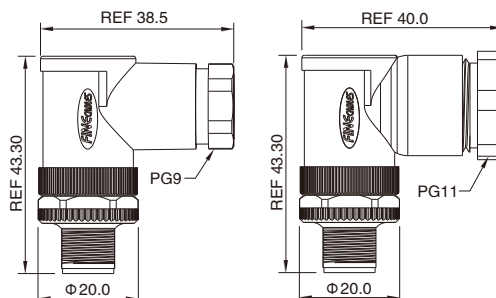
- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm².
- Please refer to Page 96 for products' part number encoding rule.

M12 Male Field Wirable Assembly, Angled, Screw joint, S-coding

- Connector series: M12
- Gender: Male
- Coding: S
- Locking type: Fix screw
- Mounting type: Right angled
- Part No.: MB12MWSFHD**RA-X

** refers to pins number

X refers to cable gland size: 3=PG9, 7=PG11



General information

Standard:	IEC 61076-2-111
Ambient temperature:	-25℃~ +90℃
Connector insert:	PA
Connector contacts:	Brass with gold plated
Connector nut/screw:	Zinc alloy with nickel plated
Connector body:	PA+GF
Seal / O-ring:	FKM

Insulation resistance:	≥100MΩ
Contact resistance :	≤5mΩ
Shielding:	Unavailable
Suitable cable Dia:	PG9: 6-8mm / PG11: 8-10mm
IP rating:	IP68 in locked condition
Assembly instruction:	refer to page 284
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		Screw joint	12A(40℃)	630V	630V	16AWG	1.5	PUR/PVC or customized	MB12MWSFHD03RA-3
04 pins		Screw joint	12A(40℃)	630V	630V	16AWG	1.5	PUR/PVC or customized	MB12MWSFHD04RA-7

Remarks

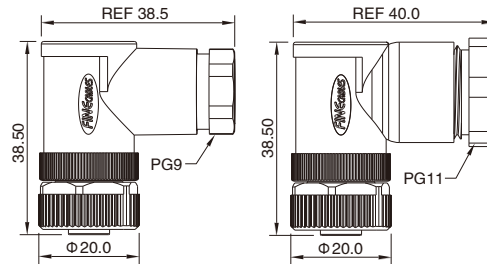
- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm².
- Please refer to Page 96 for products' part number encoding rule.

M12 Female Field Wirable Assembly, Angled, Screw joint, S-coding

- Connector series: M12
- Gender: Female
- Coding: S
- Locking type: Fix screw
- Mounting type: Right angled
- Part No.: MB12FWSFHD**RA-X

** refers to pins number

X refers to cable gland size: 3=PG9, 7=PG11



General information

Standard:	IEC 61076-2-111
Ambient temperature:	-25℃~ +90℃
Connector insert:	PA
Connector contacts:	Brass with gold plated
Connector nut/screw:	Zinc alloy with nickel plated
Connector body:	PA+GF
Seal / O-ring:	FKM

Insulation resistance:	≥ 100MΩ
Contact resistance :	≤ 5mΩ
Shielding:	Unavailable
Suitable cable Dia:	PG9: 6-8mm / PG11: 8-10mm
IP rating:	IP68 in locked condition
Assembly instruction:	refer to page 284
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		Screw joint	12A(40℃)	630V	630V	16AWG	1.5	PUR/PVC or customized	MB12FWSFHD03RA-3
04 pins		Screw joint	12A(40℃)	630V	630V	16AWG	1.5	PUR/PVC or customized	MB12FWSFHD04RA-7

Remarks

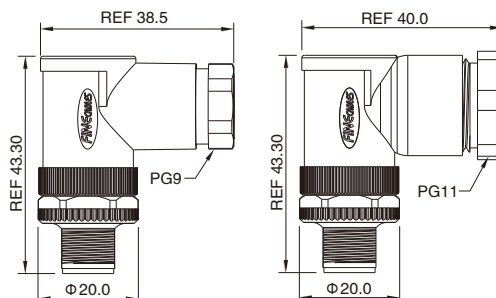
- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm².
- Please refer to Page 96 for products' part number encoding rule.

M12 Male Field Wirable Assembly, Angled, Screw joint, T-coding

- Connector series: M12
- Gender: Male
- Coding: T
- Locking type: Fix screw
- Mounting type: Right angled
- Part No.: MB12MWTFHD**RA-X

** refers to pins number

X refers to cable gland size: 3=PG9, 7=PG11



General information

Standard:	IEC 61076-2-111
Ambient temperature:	-25℃~ +90℃
Connector insert:	PA
Connector contacts:	Brass with gold plated
Connector nut/screw:	Zinc alloy with nickel plated
Connector body:	PA+GF
Seal / O-ring:	FKM

Insulation resistance:	≥ 100MΩ
Contact resistance :	≤ 5mΩ
Shielding:	Unavailable
Suitable cable Dia:	PG9: 6-8mm / PG11: 8-10mm
IP rating:	IP68 in locked condition
Assembly instruction:	refer to page 284
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		
02 pins		Screw joint	12A(40℃)	630V	630V	16AWG	1.5	PUR/PVC or customized	MB12MWTFHD02RA-3
03 pins		Screw joint	12A(40℃)	630V	630V	16AWG	1.5	PUR/PVC or customized	MB12MWTFHD03RA-3
04 pins		Screw joint	12A(40℃)	630V	630V	16AWG	1.5	PUR/PVC or customized	MB12MWTFHD04RA-7

Remarks

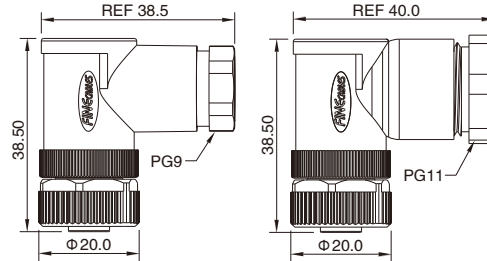
- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm².
- Please refer to Page 96 for products' part number encoding rule.

M12 Female Field Wirable Assembly, Angled, Screw joint, T-coding

- Connector series: M12
- Gender: Female
- Coding: T
- Locking type: Fix screw
- Mounting type: Right angled
- Part No.: MB12FWTFHD**RA-X

** refers to pins number

X refers to cable gland size: 3=PG9, 7=PG11



General information

Standard:	IEC 61076-2-111
Ambient temperature:	-25℃~ +90℃
Connector insert:	PA
Connector contacts:	Brass with gold plated
Connector nut/screw:	Zinc alloy with nickel plated
Connector body:	PA+GF
Seal / O-ring:	FKM

Insulation resistance:	≥ 100MΩ
Contact resistance :	≤ 5mΩ
Shielding:	Unavailable
Suitable cable Dia:	PG9: 6-8mm / PG11: 8-10mm
IP rating:	IP68 in locked condition
Assembly instruction:	refer to page 284
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		
02 pins		Screw joint	12A(40℃)	630V	630V	16AWG	1.5	PUR/PVC or customized	MB12FWTFHD02RA-3
03 pins		Screw joint	12A(40℃)	630V	630V	16AWG	1.5	PUR/PVC or customized	MB12FWTFHD03RA-3
04 pins		Screw joint	12A(40℃)	630V	630V	16AWG	1.5	PUR/PVC or customized	MB12FWTFHD04RA-7

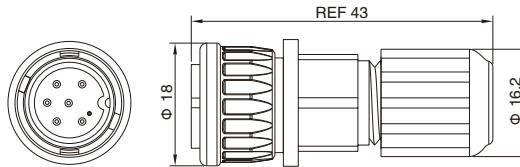
Remarks

- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm².
- Please refer to Page 96 for products' part number encoding rule.

M12 Male Field Wirable Assembly, Straight, Quick-lock Type, With Fix-cap

- Connector series: M12
- Gender: Male
- Locking type: Quick-lock
- Mounting type: Plastic mounting
- Part No.: MB12MAAFQ**ST

** refers to pins number



General information



Ambient temperature:	-25°C ~ +90°C
Connector insert/body:	PA + GF
Connector contacts:	Brass with gold plated
Quick-lock Fix-cap:	PA + GF
O-ring:	FKM

Insulation resistance:	≥ 100MΩ
Contact resistance :	≤ 5mΩ
Shielding:	Unavailable
Suitable cable Dia:	3.0~6.0mm
IP rating:	IP65, IP68 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		
04 pins		Solder version	4A	250V	250V	22AWG	0.34	PUR / PVC	MB12MAAFQ04ST
06 pins		Solder version	4A	60V	60V	22AWG	0.34	PUR / PVC	MB12MAAFQ06ST

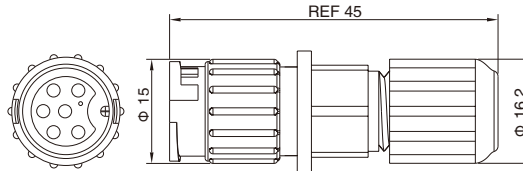
Remarks

- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm².
- Please refer to Page 96 for products' part number encoding rule.

M12 Female Field Wirable Assembly, Straight, Quick-lock Type

- Connector series: M12
- Gender: Female
- Locking type: Quick-lock
- Mounting type: Plastic mounting
- Part No.: MB12FAAFQ**ST

** refers to pins number



General information



Ambient temperature:	-25°C ~ +90°C
Connector insert/body:	PA + GF
Connector contacts:	Brass with gold plated
O-ring:	FKM

Insulation resistance:	≥ 100MΩ
Contact resistance :	≤ 5mΩ
Shielding:	Unavailable
Suitable cable Dia:	3.0~6.0mm
IP rating:	IP65, IP68 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		
04 pins		Solder version	4A	250V	250V	22AWG	0.34	PUR / PVC	MB12FAAFQ04ST
06 pins		Solder version	4A	60V	60V	22AWG	0.34	PUR / PVC	MB12FAAFQ06ST

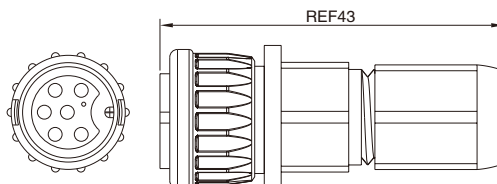
Remarks

- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm².
- Please refer to Page 96 for products' part number encoding rule.

M12 Female Field Wirable Assembly, Straight, Quick-lock Type, With Fix-cap

- Connector series: M12
- Gender: Female
- Locking type: Quick-lock
- Mounting type: Plastic mounting
- Part No.: MB12FARAFQ**ST

** refers to pins number



General information



Ambient temperature:	-25°C ~ +90°C
Connector insert/body:	PA+GF
Connector contacts:	Brass with gold plated
Quick-lock Fix-cap:	PA+GF
O-ring:	FKM

Insulation resistance:	≥ 100MΩ
Contact resistance :	≤ 5mΩ
Shielding:	Unavailable
Suitable cable Dia:	3.0~6.0mm
IP rating:	IP65, IP68 in locked condition
Mating endurance:	>500 cycles

Electrical data & Mechanical data

Contacts		Contacts termination	Rated current	Rated Voltage		Wire gauge / size		Cable jacket	Part No.
				A/C	D/C	AWG	mm ²		
05 pins		Solder version	4A	250V	250V	22AWG	0.34	PUR / PVC	MB12FARAFQ04ST
06 pins		Solder version	4A	60V	60V	22AWG	0.34	PUR / PVC	MB12FARAFQ06ST

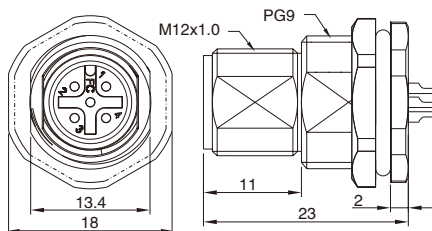
Remarks

- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm².
- Please refer to Page 96 for products' part number encoding rule.

M12 Male Panel Mount, Die-cast Screw, Solder, Front fastened

- Connector series: M12
- Gender: Male
- Coding: A,B,C,D
- Locking type: Fix screw
- Mounting type: Front fastened
- Part No.: MB12MS*FHD**ST-3

* refers to coding type
** refers to pins number



General information



Standard:	IEC 61076-2-101
Ambient temperature:	-25°C ~ +90°C
Connector insert:	PA
Connector contacts:	Brass with gold plated
Connector nut/screw:	Zinc alloy 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				Contacts termination	Rated current	Voltage		Wire gauge / size		Part No.
	A	B	C	D			A/C	D/C	AWG	mm ²	
03 pins					Solder version	4A	250V	250V	22AWG	0.34	MB12MSAFHD03ST-3 MB12MSBFHD03ST-3 MB12MSCFHD03ST-3
04 pins					Solder version	4A	250V	250V	22AWG	0.34	MB12MSAFHD04ST-3 MB12MSBFHD04ST-3 MB12MSCFHD04ST-3 MB12MSDFHD04ST-3
05 pins					Solder version	4A 2A (C-code)	60V	60V	22AWG 24AWG (C-code)	0.34 0.25 (C-code)	MB12MSAFHD05ST-3 MB12MSBFHD05ST-3 MB12MSCFHD05ST-3
06 pins					Solder version	2A	30V	30V	24AWG	0.25	MB12MSCFHD06ST-3
08 pins					Solder version	2A	30V	30V	24AWG	0.25	MB12MSAFHD08ST-3

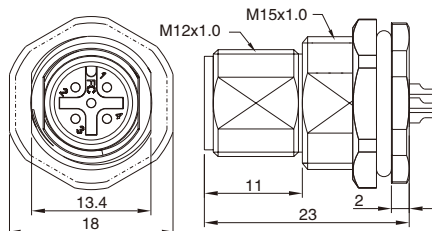
Remarks

- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm².
- Please refer to Page 96 for products' part number encoding rule.

M12 Male Panel Mount, Plastic Screw/Nut, Solder, Front fastened

- Connector series: M12
- Gender: Male
- Coding: A,B,C,D
- Locking type: Plastic fix screw
- Mounting type: Front fastened
- Part No.: MB12MS*FP**ST-1

* refers to coding type
** refers to pins number



General information



Standard: IEC 61076-2-101

Ambient temperature: -25°C ~ +90°C

Connector insert: PA

Connector contacts: Brass with gold plated

Connector nut/screw: PA+GF

Seal / O-ring: Epoxy resin / FKM

Insulation resistance: $\geq 100M\Omega$

Contact resistance : $\leq 5m\Omega$

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				Contacts termination	Rated current	Voltage		Wire gauge / size		Part No.
	A	B	C	D			A/C	D/C	AWG	mm ²	
03 pins					Solder version	4A	250V	250V	22AWG	0.34	MB12MSAFP03ST-1 MB12MSBFP03ST-1 MB12MSCFP03ST-1
04 pins					Solder version	4A	250V	250V	22AWG	0.34	MB12MSAFP04ST-1 MB12MSBFP04ST-1 MB12MSCFP04ST-1 MB12MSDFP04ST-1
05 pins					Solder version	4A 2A (C-code)	60V	60V	22AWG 24AWG (C-code)	0.34 0.25 (C-code)	MB12MSAFP05ST-1 MB12MSBFP05ST-1 MB12MSCFP05ST-1
06 pins					Solder version	2A	30V	30V	24AWG	0.25	MB12MSCFP06ST-1
08 pins					Solder version	2A	30V	30V	24AWG	0.25	MB12MSAFP08ST-1

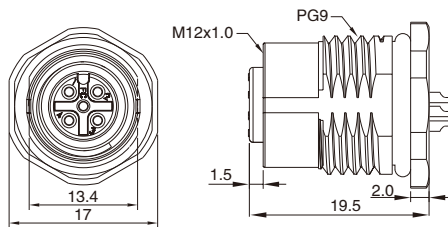
Remarks

- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm².
- Please refer to Page 96 for products' part number encoding rule.

M12 Female Panel Mount, Die-cast Screw, Solder, Front fastened

- Connector series: M12
- Gender: Female
- Coding: A,B,C,D
- Locking type: Fix screw
- Mounting type: Front fastened
- Part No.: MB12FS*FHD**ST-3

* refers to coding type
** refers to pins number



General information



Standard:	IEC 61076-2-101
Ambient temperature:	-25°C ~ +90°C
Connector insert:	PA
Connector contacts:	Brass with gold plated
Connector nut/screw:	Zinc alloy 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				Contacts termination	Rated current	Voltage		Wire gauge / size		Part No.
	A	B	C	D			A/C	D/C	AWG	mm ²	
03 pins					Solder version	4A	250V	250V	22AWG	0.34	MB12FSAFHD03ST-3 MB12FSBFHD03ST-3 MB12FSCFHD03ST-3
04 pins					Solder version	4A	250V	250V	22AWG	0.34	MB12FSAFHD04ST-3 MB12FSBFHD04ST-3 MB12FSCFHD04ST-3 MB12FSDFHD04ST-3
05 pins					Solder version	4A 2A (C-code)	60V	60V	22AWG 24AWG (C-code)	0.34 0.25 (C-code)	MB12FSAFHD05ST-3 MB12FSBFHD05ST-3 MB12FSCFHD05ST-3
06 pins					Solder version	2A	30V	30V	24AWG	0.25	MB12FSCFHD06ST-3
08 pins					Solder version	2A	30V	30V	24AWG	0.25	MB12FSAFHD08ST-3

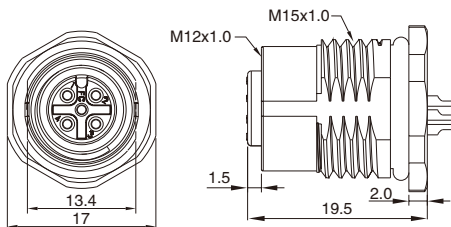
Remarks

- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm².
- Please refer to Page 96 for products' part number encoding rule.

M12 Female Panel Mount, Plastic Screw/Nut, Solder, Front fastened

- Connector series: M12
- Gender: Female
- Coding: A,B,C,D
- Locking type: Plastic fix screw
- Mounting type: Front fastened
- Part No.: MB12FS*FP**ST-1

* refers to coding type
** refers to pins number



General information



Standard: IEC 61076-2-101

Ambient temperature: -25°C ~ +90°C

Connector insert: PA

Connector contacts: Brass with gold plated

Connector nut/screw: PA+GF

Seal / O-ring: Epoxy resin / FKM

Insulation resistance: $\geq 100\text{M}\Omega$

Contact resistance: $\leq 5\text{m}\Omega$

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				Contacts termination	Rated current	Voltage		Wire gauge / size		Part No.
	A	B	C	D			A/C	D/C	AWG	mm ²	
03 pins					Solder version	4A	250V	250V	22AWG	0.34	MB12FSAFP03ST-1 MB12FSBFP03ST-1 MB12FSCFP03ST-1
04 pins					Solder version	4A	250V	250V	22AWG	0.34	MB12FSAFP04ST-1 MB12FSBFP04ST-1 MB12FSCFP04ST-1 MB12FSDFP04ST-1
05 pins					Solder version	4A 2A (C-code)	60V	60V	22AWG 24AWG (C-code)	0.34 0.25 (C-code)	MB12FSAFP05ST-1 MB12FSBFP05ST-1 MB12FSCFP05ST-1
06 pins					Solder version	2A	30V	30V	24AWG	0.25	MB12FSCFP06ST-1
08 pins					Solder version	2A	30V	30V	24AWG	0.25	MB12FSAFP08ST-1

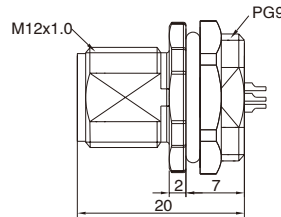
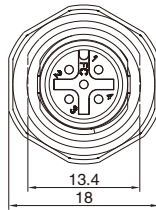
Remarks

- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm².
- Please refer to Page 96 for products' part number encoding rule.

M12 Male Panel Mount, Die-cast Screw, Solder, Rear fastened

- Connector series: M12
- Gender: Male
- Coding: A,B,C,D
- Locking type: Fix screw
- Mounting type: Rear fastened
- Part No.: MB12MS*RHD**ST-3

* refers to coding type
** refers to pins number



General information



Standard:	IEC 61076-2-101
Ambient temperature:	-25℃ ~ +90℃
Connector insert:	PA
Connector contacts:	Brass with gold plated
Connector nut/screw:	Zinc alloy 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				Contacts termination	Rated current	Voltage		Wire gauge / size		Part No.
	A	B	C	D			A/C	D/C	AWG	mm ²	
03 pins					Solder version	4A	250V	250V	22AWG	0.34	MB12MSARHD03ST-3 MB12MSBRHD03ST-3 MB12MSCRHD03ST-3
04 pins					Solder version	4A	250V	250V	22AWG	0.34	MB12MSARHD04ST-3 MB12MSBRHD04ST-3 MB12MSCRHD04ST-3 MB12MSDRHD04ST-3
05 pins					Solder version	4A 2A (C-code)	60V	60V	22AWG 24AWG (C-code)	0.34 0.25 (C-code)	MB12MSARHD05ST-3 MB12MSBRHD05ST-3 MB12MSCRHD05ST-3
06 pins					Solder version	2A	30V	30V	24AWG	0.25	MB12MSCRHD06ST-3
08 pins					Solder version	2A	30V	30V	24AWG	0.25	MB12MSARHD08ST-3

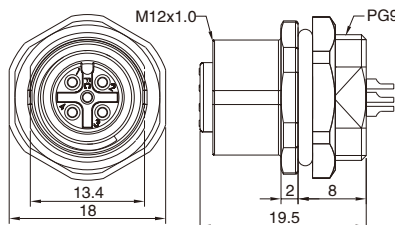
Remarks

- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm².
- Please refer to Page 96 for products' part number encoding rule.

M12 Female Panel Mount, Die-cast Screw, Solder, Rear fastened

- Connector series: M12
- Gender: Female
- Coding: A,B,C,D
- Locking type: Fix screw
- Mounting type: Rear fastened
- Part No.: MB12FS*RHD**ST-3

* refers to coding type
** refers to pins number



General information



Standard:	IEC 61076-2-101
Ambient temperature:	-25°C ~ +90°C
Connector insert:	PA
Connector contacts:	Brass with gold plated
Connector nut/screw:	Zinc alloy 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				Contacts termination	Rated current	Voltage		Wire gauge / size		Part No.
	A	B	C	D			A/C	D/C	AWG	mm ²	
03 pins					Solder version	4A	250V	250V	22AWG	0.34	MB12FSARHD03ST-3 MB12FSBRHD03ST-3 MB12FSCRHD03ST-3
04 pins					Solder version	4A	250V	250V	22AWG	0.34	MB12FSARHD04ST-3 MB12FSBRHD04ST-3 MB12FSCRHD04ST-3 MB12FSDRHD04ST-3
05 pins					Solder version	4A 2A (C-code)	60V	60V	22AWG 24AWG (C-code)	0.34 0.25 (C-code)	MB12FSARHD05ST-3 MB12FSBRHD05ST-3 MB12FSCRHD05ST-3
06 pins					Solder version	2A	30V	30V	24AWG	0.25	MB12FSCRHD06ST-3
08 pins					Solder version	2A	30V	30V	24AWG	0.25	MB12FSARHD08ST-3

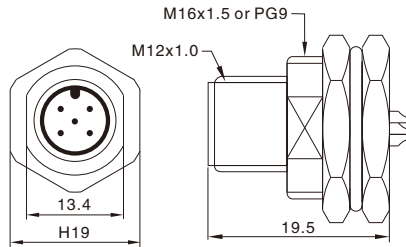
Remarks

- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm².
- Please refer to Page 96 for products' part number encoding rule.

M12 Male Panel Mount, Solder, Front fastened

- Connector series: M12
- Gender: Male
- Coding: A,B,C,D
- Locking type: Fix screw
- Mounting type: Front fastened
- Part No.: MB12MS*FF**ST-X

* refers to coding type
** refers to pins number
X refers to Chassis-side thread size



General information

Standard:	IEC 61076-2-101
Ambient temperature:	-20℃ ~ +90℃
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:	IP68 in locked condition
Panel cut-out:	Refer to page 287
Mating endurance:	>500 cycles

Electrical data & Mechanical data

Contacts	Available Coding				Contacts termination	Rated current	Voltage		Wire gauge / size		Part No.
	A	B	C	D			A/C	D/C	AWG	mm ²	
03 pins					Solder version	4A	250V	250V	22AWG	0.34	MB12MSAFF03ST-X MB12MSBFF03ST-X MB12MSCFF03ST-X
04 pins					Solder version	4A	250V	250V	22AWG	0.34	MB12MSAFF04ST-X MB12MSBFF04ST-X MB12MSCFF04ST-X MB12MSDFF04ST-X
05 pins					Solder version	4A 2A (C-code)	60V	60V	22AWG 24AWG (C-code)	0.34 0.25 (C-code)	MB12MSAFF05ST-X MB12MSBFF05ST-X MB12MSCFF05ST-X
06 pins					Solder version	2A	30V	30V	24AWG	0.25	MB12MSCFF06ST-X
08 pins					Solder version	2A	30V	30V	24AWG	0.25	MB12MSAFF08ST-X
12 pins					Solder version	1.5A	30V	30V	26AWG	0.14	MB12MSAFF12ST-X
17 pins					Solder version	1.5A	30V	30V	26AWG	0.14	MB17MSAFF17ST-X

Note: X refers to Chassis-side thread size

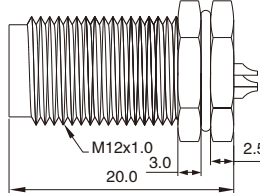
Remarks

- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm².
- Please refer to Page 96 for products' part number encoding rule.

M12 Male Panel Mount, Plastic Screw/Nut, Solder, Front fastened

- Connector series: M12
- Gender: Male
- Coding: A
- Locking type: Plastic fix screw
- Mounting type: Front fastened
- Part No.: MB12MSAFP**ST-0

** refers to pins number



General information



Standard:	IEC 61076-2-101
Ambient temperature:	-25℃ ~ +90℃
Connector body:	PA+ GF
Connector contacts:	Brass with gold plated
Connector nut/screw:	PA+GF
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		Contacts termination	Rated current	Voltage		Wire gauge / size		Wire insulation	Part No.
				A/C	D/C	AWG	mm ²		
04 pins		Solder version	4A	250V	250V	22AWG	0.34	PVC wire or customized	MB12MSAFP04ST-0
05 pins		Solder version	4A	60V	60V	22AWG	0.34	PVC wire or customized	MB12MSAFP05ST-0
08 pins		Solder version	2A	30V	30V	24AWG	0.25	PVC wire or customized	MB12MSAFP08ST-0

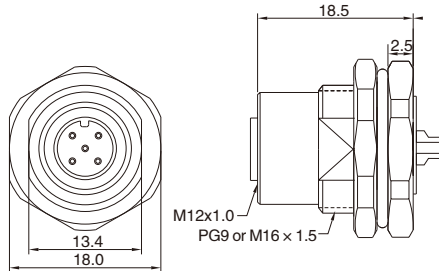
Remarks

- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm².
- Please refer to Page 96 for products' part number encoding rule.

M12 Female Panel Mount, Solder, Front fastened

- Connector series: M12
- Gender: Female
- Coding: A,B,C,D
- Locking type: Fix screw
- Mounting type: Front fastened
- Part No.: MB12FS*FF**ST-X

* refers to coding type
** refers to pins number
X refers to Chasis-side thread size



General information

Standard:	IEC 61076-2-101
Ambient temperature:	-20℃ ~ +90℃
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:	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				Contacts termination	Rated current	Voltage		Wire gauge / size		Part No.
	A	B	C	D			A/C	D/C	AWG	mm ²	
03 pins					Solder version	4A	250V	250V	22AWG	0.34	MB12FSAFF03ST-X MB12FSBFF03ST-X MB12FSCFF03ST-X
04 pins					Solder version	4A	250V	250V	22AWG	0.34	MB12FSAFF04ST-X MB12FSBFF04ST-X MB12FSCFF04ST-X MB12FSDFF04ST-X
05 pins					Solder version	4A 2A (C-code)	60V	60V	22AWG 24AWG (C-code)	0.34 0.25 (C-code)	MB12FSAFF05ST-X MB12FSBFF05ST-X MB12FSCFF05ST-X
06 pins					Solder version	2A	30V	30V	24AWG	0.25	MB12FSCFF06ST-X
08 pins					Solder version	2A	30V	30V	24AWG	0.25	MB12FSAFF08ST-X
12 pins					Solder version	1.5A	30V	30V	26AWG	0.14	MB12FSAFF12ST-X
17 pins					Solder version	1.5A	30V	30V	26AWG	0.14	MB12FSAFF17ST-X

Note: X refers to Chasis-side thread size

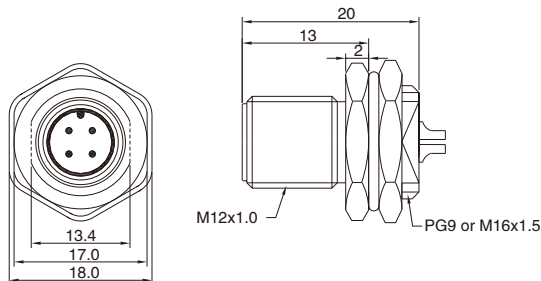
Remarks

- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm².
- Please refer to Page 96 for products' part number encoding rule.

M12 Male Panel Mount, Solder, Rear fastened

- Connector series: M12
- Gender: Male
- Coding: A,B,C,D
- Locking type: Fix screw
- Mounting type: Rear fastened
- Part No.: MB12MS*RF**ST-X

* refers to coding type
 ** refers to pins number
 X refers to Chassis-side thread size



General information



Standard:	IEC 61076-2-101
Ambient temperature:	-20℃ ~ +90℃
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:	IP68 in locked condition
Panel cut-out:	Refer to page 287
Mating endurance:	>500 cycles

Electrical data & Mechanical data

Contacts	Available Coding				Contacts termination	Rated current	Voltage		Wire gauge / size		Part No.
	A	B	C	D			A/C	D/C	AWG	mm ²	
03 pins					Solder version	4A	250V	250V	22AWG	0.34	MB12MSARF03ST-X MB12MSBRF03ST-X MB12MSCRF03ST-X
04 pins					Solder version	4A	250V	250V	22AWG	0.34	MB12MSARF04ST-X MB12MSBRF04ST-X MB12MSCRF04ST-X MB12MSDRF04ST-X
05 pins					Solder version	4A 2A (C-code)	60V	60V	22AWG 24AWG (C-code)	0.34 0.25 (C-code)	MB12MSARF05ST-X MB12MSBRF05ST-X MB12MSCRF05ST-X
06 pins					Solder version	2A	30V	30V	24AWG	0.25	MB12MSCRF06ST-X
08 pins					Solder version	2A	30V	30V	24AWG	0.25	MB12MSARF08ST-X
12 pins					Solder version	1.5A	30V	30V	26AWG	0.14	MB12MSARF12ST-X
17 pins					Solder version	1.5A	30V	30V	26AWG	0.14	MB12MSARF17ST-X

Note: X refers to Chassis-side thread size

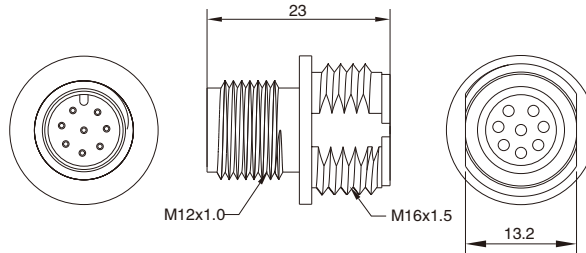
Remarks

- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm².
- Please refer to Page 96 for products' part number encoding rule.

M12 Male Panel Mount, Plastic Screw, Solder, Rear fastened

- Connector series: M12
- Gender: Male
- Coding: A
- Locking type: Plastic fix screw
- Mounting type: Rear fastened
- Part No.: MB12MSARP**ST-2

** refers to pins number



General information

Standard:	IEC 61076-2-101
Ambient temperature:	-25℃ ~ +90℃
Connector body:	PA+ GF
Connector contacts:	Brass with gold plated
Connector nut/screw:	PA+GF

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		Contacts termination	Rated current	Voltage		Wire gauge / size		Wire insulation	Part No.
				A/C	D/C	AWG	mm ²		
04 pins		Solder version	4A	250V	250V	22AWG	0.34	PVC wire or customized	MB12MSARP04ST-2
05 pins		Solder version	4A	60V	60V	22AWG	0.34	PVC wire or customized	MB12MSARP05ST-2
08 pins		Solder version	2A	30V	30V	24AWG	0.25	PVC wire or customized	MB12MSARP08ST-2

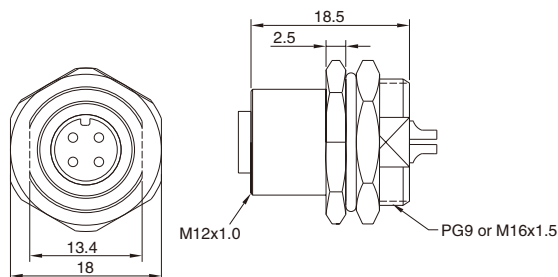
Remarks

- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm².
- Please refer to Page 96 for products' part number encoding rule.

M12 Female Panel Mount, Solder, Rear fastened

- Connector series: M12
- Gender: Female
- Coding: A,B,C,D
- Locking type: Fix screw
- Mounting type: Rear fastened
- Part No.: MB12FS*RF**ST-X

* refers to coding type
 ** refers to pins number
 X refers to Chassis-side thread size



General information



Standard: IEC 61076-2-101

Ambient temperature: -20°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: $\geq 100\text{M}\Omega$

Contact resistance : $\leq 5\text{m}\Omega$

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				Contacts termination	Rated current	Voltage		Wire gauge / size		Part No.
	A	B	C	D			A/C	D/C	AWG	mm ²	
03 pins			 (2+PE)		Solder version	4A	250V	250V	22AWG	0.34	MB12FSARF03ST-X MB12FSBRF03ST-X MB12FSCRF03ST-X
04 pins			 (3+PE)		Solder version	4A	250V	250V	22AWG	0.34	MB12FSARF04ST-X MB12FSBRF04ST-X MB12FSCRF04ST-X MB12FSDRF04ST-X
05 pins			 (4+PE)		Solder version	4A 2A (C-code)	60V	60V	22AWG 24AWG (C-code)	0.34 0.25 (C-code)	MB12FSARF05ST-X MB12FSBRF05ST-X MB12FSCRF05ST-X
06 pins			 (5+PE)		Solder version	2A	30V	30V	24AWG	0.25	MB12FSCRF06ST-X
08 pins					Solder version	2A	30V	30V	24AWG	0.25	MB12FSARF08ST-X
12 pins					Solder version	1.5A	30V	30V	26AWG	0.14	MB12FSARF12ST-X
17 pins					Solder version	1.5A	30V	30V	26AWG	0.14	MB12FSARF17ST-X

Note: X refers to Chassis-side thread size

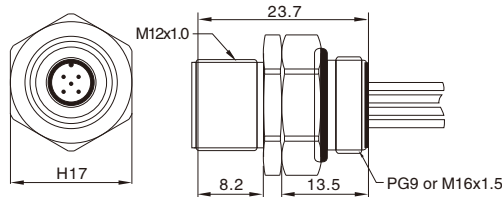
Remarks

- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm².
- Please refer to Page 96 for products' part number encoding rule.

M12 Male Panel Mount, Solder, Rear fastened, Adjustable Nut

- Connector series: M12
- Gender: Male
- Coding: A,B,C,D
- Locking type: Fix screw
- Mounting type: Rear fastened
- Part No.: MB12MS*RF**ST-X(Adjustable)

* refers to coding type
** refers to pins number
X refers to Chasis-side thread size



General information

Standard:	IEC 61076-2-101	Insulation resistance:	≥ 100MΩ
Ambient temperature:	-20℃ ~ +90℃	Contact resistance :	≤ 5mΩ
Connector insert:	TPU	Shielding:	Unavailable
Connector contacts:	Brass with gold plated	IP rating:	IP68 in locked condition
Connector nut/screw:	Brass with nickel plated	Panel cut-out:	Refer to page 287
Seal / O-ring:	Epoxy resin / FKM	Mating endurance:	>500 cycles

Electrical data & Mechanical data

Contacts	Available Coding				Contacts termination	Rated current	Voltage		Wire gauge / size		Part No.
	A	B	C	D			A/C	D/C	AWG	mm ²	
03 pins					Solder version	4A	250V	250V	22AWG	0.34	MB12MSARF03ST- <u>X</u> (adj) MB12MSBRF03ST- <u>X</u> (adj) MB12MSCRF03ST- <u>X</u> (adj)
04 pins					Solder version	4A	250V	250V	22AWG	0.34	MB12MSARF04ST- <u>X</u> (adj) MB12MSBRF04ST- <u>X</u> (adj) MB12MSCRF04ST- <u>X</u> (adj) MB12MSDRF04ST- <u>X</u> (adj)
05 pins					Solder version	4A 2A (C-code)	60V	60V	22AWG 24AWG (C-code)	0.34 0.25 (C-code)	MB12MSARF05ST- <u>X</u> (adj) MB12MSBRF05ST- <u>X</u> (adj) MB12MSCRF05ST- <u>X</u> (adj)
06 pins					Solder version	2A	30V	30V	24AWG	0.25	MB12MSCRF06ST- <u>X</u> (adj)
08 pins					Solder version	2A	30V	30V	24AWG	0.25	MB12MSARF08ST- <u>X</u> (adj)
12 pins					Solder version	1.5A	30V	30V	26AWG	0.14	MB12MSARF12ST- <u>X</u> (adj)
17 pins					Solder version	1.5A	30V	30V	26AWG	0.14	MB12MSARF17ST- <u>X</u> (adj)

Note: X refers to Chasis-side thread size

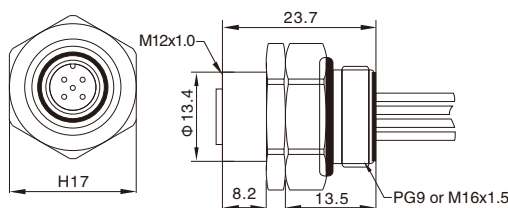
Remarks

- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm².
- Please refer to Page 96 for products' part number encoding rule.

M12 Female Panel Mount, Solder, Rear fastened, Adjustable Nut

- Connector series: M12
- Gender: Female
- Coding: A,B,C,D
- Locking type: Fix screw
- Mounting type: Rear fastened
- Part No.: MB12FS*RF**ST-X(Adjustable)

* refers to coding type
 ** refers to pins number
 X refers to Chassis-side thread size



General information

Standard: IEC 61076-2-101

Ambient temperature: -20°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: $\geq 100M\Omega$

Contact resistance : $\leq 5m\Omega$

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				Contacts termination	Rated current	Voltage		Wire gauge / size		Part No.
	A	B	C	D			A/C	D/C	AWG	mm ²	
03 pins			 (2+PE)		Solder version	4A	250V	250V	22AWG	0.34	MB12FSARF03ST-X(adj) MB12FSBRF03ST-X(adj) MB12FSCRF03ST-X(adj)
04 pins			 (3+PE)		Solder version	4A	250V	250V	22AWG	0.34	MB12FSARF04ST-X(adj) MB12FSBRF04ST-X(adj) MB12FSCRF04ST-X(adj) MB12FSDRF04ST-X(adj)
05 pins			 (4+PE)		Solder version	4A 2A (C-code)	60V	60V	22AWG 24AWG (C-code)	0.34 0.25 (C-code)	MB12FSARF05ST-X(adj) MB12FSBRF05ST-X(adj) MB12FSCRF05ST-X(adj)
06 pins			 (5+PE)		Solder version	2A	30V	30V	24AWG	0.25	MB12FSCRF06ST-X(adj)
08 pins					Solder version	2A	30V	30V	24AWG	0.25	MB12FSARF08ST-X(adj)
12 pins					Solder version	1.5A	30V	30V	26AWG	0.14	MB12FSARF12ST-X(adj)
17 pins					Solder version	1.5A	30V	30V	26AWG	0.14	MB12FSARF17ST-X(adj)

Note: X refers to Chassis-side thread size

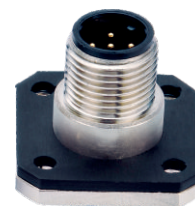
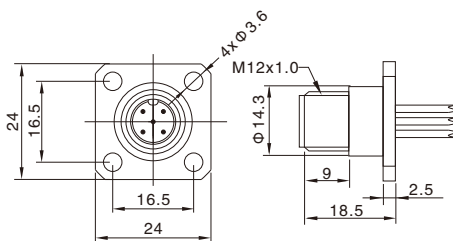
Remarks

- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm².
- Please refer to Page 96 for products' part number encoding rule.

M12 Male Panel Mount, Solder, with Flange

- Connector series: M12
- Gender: Male
- Coding: A,B,C,D
- Locking type: Fix screw
- Mounting type: Flange
- Part No.: MB12MS*FLF**ST

* refers to coding type
** refers to pins number



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:	Brass with nickel plated
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				Contacts termination	Rated current	Voltage		Wire gauge / size		Part No.
	A	B	C	D			A/C	D/C	AWG	mm ²	
03 pins					Solder version	4A	250V	250V	22AWG	0.34	MB12MSAFLF03ST MB12MSBFLF03ST MB12MSCFLF03ST
04 pins					Solder version	4A	250V	250V	22AWG	0.34	MB12MSAFLF04ST MB12MSBFLF04ST MB12MSCFLF04ST MB12MSDFLF04ST
05 pins					Solder version	4A 2A (C-code)	60V	60V	22AWG 24AWG (C-code)	0.34 0.25 (C-code)	MB12MSAFLF05ST MB12MSBFLF05ST MB12MSCFLF05ST
06 pins					Solder version	2A	30V	30V	24AWG	0.25	MB12MSCFLF06ST
08 pins					Solder version	2A	30V	30V	24AWG	0.25	MB12MSAFLF08ST
12 pins					Solder version	1.5A	30V	30V	26AWG	0.14	MB12MSAFLF12ST
17 pins					Solder version	1.5A	30V	30V	26AWG	0.14	MB12MSAFLF17ST

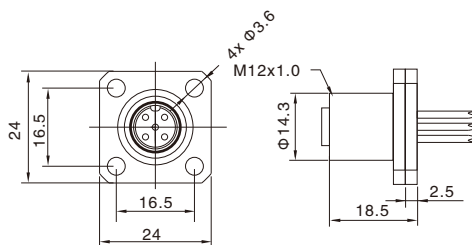
Remarks

- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm².
- Please refer to Page 96 for products' part number encoding rule.

M12 Female Panel Mount, Solder, with Flange

- Connector series: M12
- Gender: Female
- Coding: A,B,C,D
- Locking type: Fix screw
- Mounting type: Flange
- Part No.: MB12FS*FLF**ST

* refers to coding type
** refers to pins number



General information



Standard:	IEC 61076-2-101
Ambient temperature:	-20°C ~ +80°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:	Unavailable
IP rating:	IP68 in locked condition
Mating endurance:	>500 cycles

Electrical data & Mechanical data

Contacts	Available Coding				Contacts termination	Rated current	Voltage		Wire gauge / size		Part No.
	A	B	C	D			A/C	D/C	AWG	mm ²	
03 pins					Solder version	4A	250V	250V	22AWG	0.34	MB12FSAFLF03ST MB12FSBFLF03ST MB12FSCFLF03ST
04 pins					Solder version	4A	250V	250V	22AWG	0.34	MB12FSAFLF04ST MB12FSBFLF04ST MB12FSCFLF04ST MB12FSDFLF04ST
05 pins					Solder version	4A 2A (C-code)	60V	60V	22AWG 24AWG (C-code)	0.34 0.25 (C-code)	MB12FSAFLF05ST MB12FSBFLF05ST MB12FSCFLF05ST
06 pins					Solder version	2A	30V	30V	24AWG	0.25	MB12FSCFLF06ST
08 pins					Solder version	2A	30V	30V	24AWG	0.25	MB12FSAFLF08ST
12 pins					Solder version	1.5A	30V	30V	26AWG	0.14	MB12FSAFLF12ST
17 pins					Solder version	1.5A	30V	30V	26AWG	0.14	MB12FSAFLF17ST

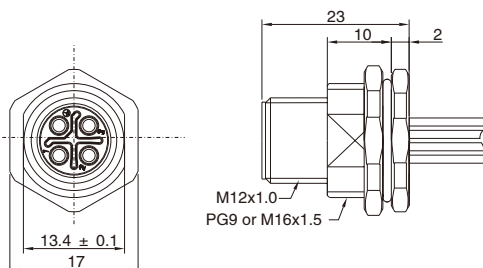
Remarks

- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm².
- Please refer to Page 96 for products' part number encoding rule.

M12 Male Panel Mount, Crimp, Front fastened, S-coding

- Connector series: M12
- Gender: Male
- Coding: S
- Locking type: Fix screw
- Mounting type: Front fastened
- Part No.: MB12MCSFF**ST-XXXX

** refers to pins number
X refers to Chasis-side thread size
 XXX refers to cable specification



General information

Ambient temperature:	-20°C ~ +80°C
Connector insert:	PA
Connector contacts:	Brass with gold plated
Connector screw/nut:	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	Contacts termination	Rated current	Rated voltage	Wire gauge / size		Wire insulation	Part No.
				AWG	mm²		
04 pins  (3+PE)	Crimp version	12A(40°C)	630V	16AWG	1.5	PVC wire or customized	MB12MCSFF04ST- <u>X</u> 150

Note: X refers to Chasis-side thread size

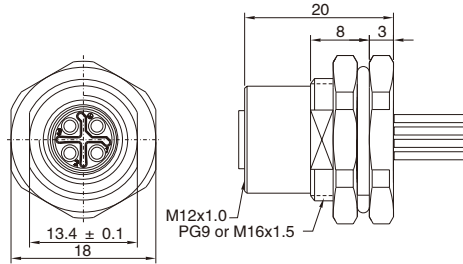
Remarks

- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm².
- Please refer to Page 96 for products' part number encoding rule.

M12 Female Panel Mount, Crimp, Front fastened, S-coding

- Connector series: M12
- Gender: Female
- Coding: S
- Locking type: Fix screw
- Mounting type: Front fastened
- Part No.: MB12FCSFF**ST-XXXX

** refers to pins number
X refers to Chasis-side thread size
 XXX refers to cable specification



General information



Ambient temperature:	-20℃ ~ +80℃
Connector insert:	PA
Connector contacts:	Brass with gold plated
Connector screw/nut:	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		Contacts termination	Rated current	Rated voltage	Wire gauge / size		Wire insulation	Part No.
					AWG	mm ²		
04 pins	 (3+PE)	Crimp version	12A(40℃)	630V	16AWG	1.5	PVC wire or customized	MB12FCSFF04ST- <u>X</u> 150

Note: X refers to Chasis-side thread size

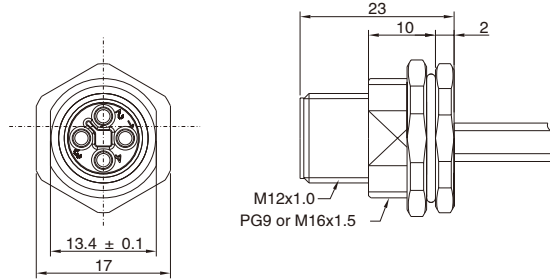
Remarks

- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm².
- Please refer to Page 96 for products' part number encoding rule.

M12 Male Panel Mount, Crimp, Front fastened, T-coding

- Connector series: M12
- Gender: Male
- Coding: T
- Locking type: Fix screw
- Mounting type: Front fastened
- Part No.: MB12MCTFF**ST-XXXX

** refers to pins number
X refers to Chasis-side thread size
 XXX refers to cable specification



General information

Ambient temperature:	-20°C ~ +80°C
Connector insert:	PA
Connector contacts:	Brass with gold plated
Connector screw/nut:	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		Contacts termination	Rated current	Rated voltage	Wire gauge / size		Wire insulation	Part No.
					AWG	mm ²		
04 pins		Crimp version	12A(40°C)	60V	16AWG	1.5	PVC wire or customized	MB12MCTFF04ST- <u>X</u> 150

Note: X refers to Chasis-side thread size

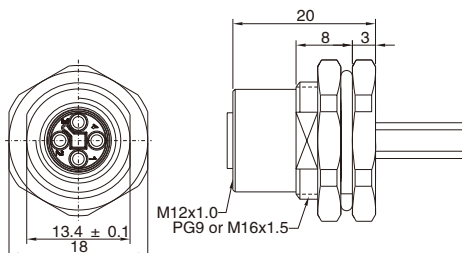
Remarks

- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm².
- Please refer to Page 96 for products' part number encoding rule.

M12 Female Panel Mount, Crimp, Front fastened, T-coding

- Connector series: M12
- Gender: Female
- Coding: T
- Locking type: Fix screw
- Mounting type: Front fastened
- Part No.: MB12FCTFF**ST-XXXX

** refers to pins number
X refers to Chasis-side thread size
 XXX refers to cable specification



General information



Ambient temperature:	-20°C ~ +80°C
Connector insert:	PA
Connector contacts:	Brass with gold plated
Connector screw/nut:	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		Contacts termination	Rated current	Rated voltage	Wire gauge / size		Wire insulation	Part No.
					AWG	mm ²		
04 pins		Crimp version	12A(40°C)	60V	16AWG	1.5	PVC wire or customized	MB12FCTFF04ST- <u>X</u> 150

Note: X refers to Chasis-side thread size

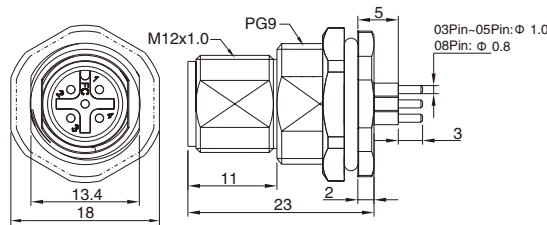
Remarks

- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm².
- Please refer to Page 96 for products' part number encoding rule.

M12 Male Panel Mount, Die-cast Screw, PCB Type, Front fastened

- Connector series: M12
- Gender: Male
- Coding: A,B,C,D
- Locking type: Fix screw
- Mounting type: Front fastened
- Part No.: MB12MB*FHD**ST-3

* refers to coding type
** refers to pins number



General information



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

Insulation resistance:	$\geq 100\text{M}\Omega$
Contact resistance :	$\leq 5\text{m}\Omega$
Shielding:	Unavailable
IP rating:	IP68 in locked condition
Panel cut-out:	Refer to page 287
PCB layout:	Refer to page 286
Mating endurance:	>500 cycles

Electrical data & Mechanical data

Contacts	Available Coding				Contacts termination	Rated current	Voltage		Part No.
	A	B	C	D			A/C	D/C	
03 pins					PCB version	4A	250V	250V	MB12MBAFHD03ST-3 MB12MBBFHD03ST-3 MB12MBCFHD03ST-3
04 pins					PCB version	4A	250V	250V	MB12MBAFHD04ST-3 MB12MBBFHD04ST-3 MB12MBCFHD04ST-3 MB12MBDFHD04ST-3
05 pins					PCB version	4A 2A(C-code)	60V	60V	MB12MBAFHD05ST-3 MB12MBBFHD05ST-3 MB12MBCFHD05ST-3
06 pins					PCB version	2A	30V	30V	MB12MBCFHD06ST-3
08 pins					PCB version	2A	30V	30V	MB12MBAFHD08ST-3

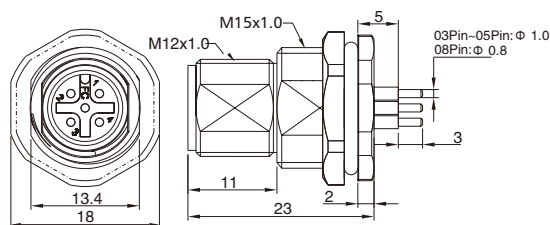
Remarks

- Please refer to Page 96 for products' part number encoding rule.

M12 Male Panel Mount, Plastic Screw/Nut, PCB Type, Front fastened

- Connector series: M12
- Gender: Male
- Coding: A,B,C,D
- Locking type: Plastic fix screw
- Mounting type: Front fastened
- Part No.: MB12MB*FP**ST-1

* refers to coding type
** refers to pins number



General information



Standard: IEC 61076-2-101

Ambient temperature: -25°C ~ +90°C

Connector insert: PA

Connector contacts: Brass with gold plated

Connector nut/screw: PA+GF

Seal / O-ring: Epoxy resin / FKM

Insulation resistance: $\geq 100\text{M}\Omega$

Contact resistance: $\leq 5\text{m}\Omega$

Shielding: Unavailable

IP rating: IP68 in locked condition

Panel cut-out: Refer to page 287

PCB layout: Refer to page 286

Mating endurance: >500 cycles

Electrical data & Mechanical data

Contacts	Available Coding				Contacts termination	Rated current	Voltage		Part No.
	A	B	C	D			A/C	D/C	
03 pins					PCB version	4A	250V	250V	MB12MBAFP03ST-1 MB12MBBFP03ST-1 MB12MBCFP03ST-1
04 pins					PCB version	4A	250V	250V	MB12MBAFP04ST-1 MB12MBBFP04ST-1 MB12MBCFP04ST-1 MB12MBDFP04ST-1
05 pins					PCB version	4A 2A(C-code)	60V	60V	MB12MBAFP05ST-1 MB12MBBFP05ST-1 MB12MBCFP05ST-1
06 pins					PCB version	2A	30V	30V	MB12MBCFP06ST-1
08 pins					PCB version	2A	30V	30V	MB12MBAFP08ST-1

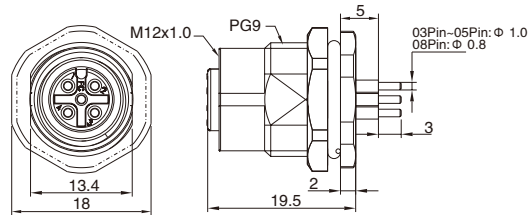
Remarks

- Please refer to Page 96 for products' part number encoding rule.

M12 Female Panel Mount, Die-cast Screw, PCB Type, Front fastened

- Connector series: M12
- Gender: Female
- Coding: A,B,C,D
- Locking type: Fix screw
- Mounting type: Front fastened
- Part No.: MB12FB*FHD**ST-3

* refers to coding type
** refers to pins number



General information



Standard:	IEC 61076-2-101
Ambient temperature:	-25°C ~ +90°C
Connector insert:	PA
Connector contacts:	Brass with gold plated
Connector nut/screw:	Zinc alloy 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
PCB layout:	Refer to page 286
Mating endurance:	>500 cycles

Electrical data & Mechanical data

Contacts	Available Coding				Contacts termination	Rated current	Voltage		Part No.
	A	B	C	D			A/C	D/C	
03 pins					PCB version	4A	250V	250V	MB12FBAFHD03ST-3 MB12FBBFHD03ST-3 MB12FBCFHD03ST-3
04 pins					PCB version	4A	250V	250V	MB12FBAFHD04ST-3 MB12FBBFHD04ST-3 MB12FBCFHD04ST-3 MB12FDBFHD04ST-3
05 pins					PCB version	4A 2A(C-code)	60V	60V	MB12FBAFHD05ST-3 MB12FBBFHD05ST-3 MB12FBCFHD05ST-3
06 pins					PCB version	2A	30V	30V	MB12FBCFHD06ST-3
08 pins					PCB version	2A	30V	30V	MB12FBAFHD08ST-3

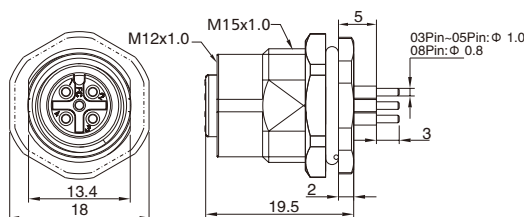
Remarks

- Please refer to Page 96 for products' part number encoding rule.

M12 Female Panel Mount, Plastic Screw/Nut, PCB Type, Front fastened

- Connector series: M12
- Gender: Female
- Coding: A,B,C,D
- Locking type: Plastic fix screw
- Mounting type: Front fastened
- Part No.: MB12FB*FP**ST-1

* refers to coding type
** refers to pins number



General information



Standard: IEC 61076-2-101

Ambient temperature: -25°C ~ +90°C

Connector insert: PA

Connector contacts: Brass with gold plated

Connector nut/screw: PA+GF

Seal / O-ring: Epoxy resin / FKM

Insulation resistance: $\geq 100\text{M}\Omega$

Contact resistance: $\leq 5\text{m}\Omega$

Shielding: Unavailable

IP rating: IP68 in locked condition

Panel cut-out: Refer to page 287

PCB layout: Refer to page 286

Mating endurance: >500 cycles

Electrical data & Mechanical data

Contacts	Available Coding				Contacts termination	Rated current	Voltage		Part No.
	A	B	C	D			A/C	D/C	
03 pins					PCB version	4A	250V	250V	MB12FBAFP03ST-1 MB12FBBFP03ST-1 MB12FBCFP03ST-1
04 pins					PCB version	4A	250V	250V	MB12FBAFP04ST-1 MB12FBBFP04ST-1 MB12FBCFP04ST-1 MB12FBDP04ST-1
05 pins					PCB version	4A 2A(C-code)	60V	60V	MB12FBAFP05ST-1 MB12FBBFP05ST-1 MB12FBCFP05ST-1
06 pins					PCB version	2A	30V	30V	MB12FBCFP06ST-1
08 pins					PCB version	2A	30V	30V	MB12FBAFP08ST-1

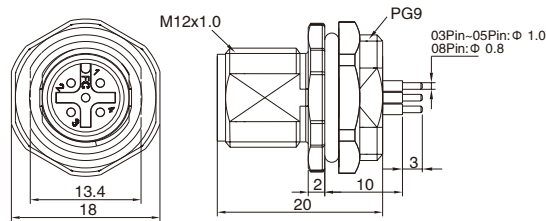
Remarks

- Please refer to Page 96 for products' part number encoding rule.

M12 Male Panel Mount, Die-cast Screw, PCB Type, Rear fastened

- Connector series: M12
- Gender: Male
- Coding: A,B,C,D
- Locking type: Fix screw
- Mounting type: Rear fastened
- Part No.: MB12MB*RHD**ST-3

* refers to coding type
** refers to pins number



General information



Standard:	IEC 61076-2-101
Ambient temperature:	-25℃ ~ +90℃
Connector insert:	PA
Connector contacts:	Brass with gold plated
Connector nut/screw:	Zinc alloy 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
PCB layout:	Refer to page 286
Mating endurance:	>500 cycles

Electrical data & Mechanical data

Contacts	Available Coding				Contacts termination	Rated current	Voltage		Part No.
	A	B	C	D			A/C	D/C	
03 pins					PCB version	4A	250V	250V	MB12MBARHD03ST-3 MB12MBBRHD03ST-3 MB12MBCRHD03ST-3
04 pins					PCB version	4A	250V	250V	MB12MBARHD04ST-3 MB12MBBRHD04ST-3 MB12MBCRHD04ST-3 MB12MBDRHD04ST-3
05 pins					PCB version	4A 2A(C-code)	60V	60V	MB12MBARHD05ST-3 MB12MBBRHD05ST-3 MB12MBCRHD05ST-3
06 pins					PCB version	2A	30V	30V	MB12MBCRHD06ST-3
08 pins					PCB version	2A	30V	30V	MB12MBARHD08ST-3

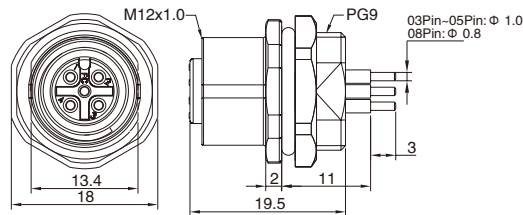
Remarks

- Please refer to Page 96 for products' part number encoding rule.

M12 Female Panel Mount, Die-cast Screw, PCB Type, Rear fastened

- Connector series: M12
- Gender: Female
- Coding: A,B,C,D
- Locking type: Fix screw
- Mounting type: Rear fastened
- Part No.: MB12FB*RHD**ST-3

* refers to coding type
** refers to pins number



General information



Standard:	IEC 61076-2-101
Ambient temperature:	-25°C ~ +90°C
Connector insert:	PA
Connector contacts:	Brass with gold plated
Connector nut/screw:	Zinc alloy 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
PCB layout:	Refer to page 286
Mating endurance:	>500 cycles

Electrical data & Mechanical data

Contacts	Available Coding				Contacts termination	Rated current	Voltage		Part No.
	A	B	C	D			A/C	D/C	
03 pins					PCB version	4A	250V	250V	MB12FBARHD03ST-3 MB12FBBRHD03ST-3 MB12FBCRHD03ST-3
04 pins					PCB version	4A	250V	250V	MB12FBARHD04ST-3 MB12FBBRHD04ST-3 MB12FBCRHD04ST-3 MB12FBDHRD04ST-3
05 pins					PCB version	4A 2A(C-code)	60V	60V	MB12FBARHD05ST-3 MB12FBBRHD05ST-3 MB12FBCRHD05ST-3
06 pins					PCB version	2A	30V	30V	MB12FBCRHD06ST-3
08 pins					PCB version	2A	30V	30V	MB12FBARHD08ST-3

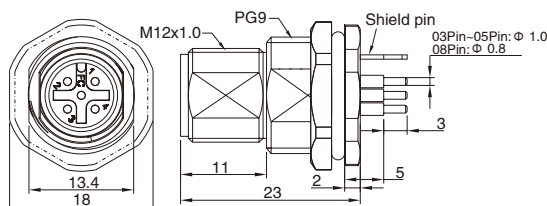
Remarks

- Please refer to Page 96 for products' part number encoding rule.

M12 Male Panel, Die-cast Screw, PCB Type, Front fastened, Shielded

- Connector series: M12
- Gender: Male
- Coding: A,B,C,D
- Locking type: Fix screw
- Mounting type: Front fastened
- Part No.: MB12MBS*FHD**ST-3

* refers to coding type
** refers to pins number



General information



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

Insulation resistance:	≥ 100MΩ
Contact resistance :	≤ 5mΩ
Shielding:	Available
IP rating:	IP68 in locked condition
Panel cut-out:	Refer to page 287
PCB layout:	Refer to page 286
Mating endurance:	>500 cycles

Electrical data & Mechanical data

Contacts	Available Coding				Contacts termination	Rated current	Voltage		Part No.
	A	B	C	D			A/C	D/C	
03 pins					PCB version	4A	250V	250V	MB12MBSAFHD03ST-3 MB12MBSBFHD03ST-3 MB12MBSCFHD03ST-3
04 pins					PCB version	4A	250V	250V	MB12MBSAFHD04ST-3 MB12MBSBFHD04ST-3 MB12MBSCFHD04ST-3 MB12MBSDFHD04ST-3
05 pins					PCB version	4A 2A(C-code)	60V	60V	MB12MBSAFHD05ST-3 MB12MBSBFHD05ST-3 MB12MBSCFHD05ST-3
06 pins					PCB version	2A	30V	30V	MB12MBSCFHD06ST-3
08 pins					PCB version	2A	30V	30V	MB12MBSAFHD08ST-3

Remarks

- Please refer to Page 96 for products' part number encoding rule.