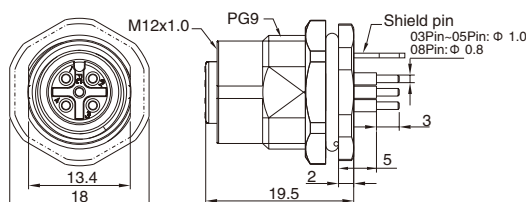


M12 Female Panel, Die-cast Screw, PCB Type, Front fastened, Shielded

- Connector series: M12
- Gender: Female
- Coding: A,B,C,D
- Locking type: Fix screw
- Mounting type: Front fastened
- Part No.: MB12FBS*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	MB12FBSAFHD03ST-3 MB12FBSBFHD03ST-3 MB12FBSCFHD03ST-3
04 pins					PCB version	4A	250V	250V	MB12FBSAFHD04ST-3 MB12FBSBFHD04ST-3 MB12FBSCFHD04ST-3 MB12FBSDFHD04ST-3
05 pins					PCB version	4A 2A(C-code)	60V	60V	MB12FBSAFHD05ST-3 MB12FBSBFHD05ST-3 MB12FBSCFHD05ST-3
06 pins					PCB version	2A	30V	30V	MB12FBSCFHD06ST-3
08 pins					PCB version	2A	30V	30V	MB12FBSAFHD08ST-3

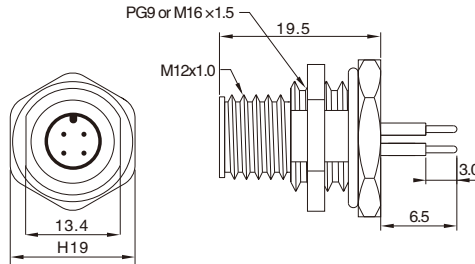
Remarks

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

M12 Male Panel Mount, 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*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:	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
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	MB12MBAFF03ST-X MB12MBBFF03ST-X MB12MBCFF03ST-X
04 pins					PCB version	4A	250V	250V	MB12MBAFF04ST-X MB12MBBFF04ST-X MB12MBCFF04ST-X MB12MBDFF04ST-X
05 pins					PCB version	4A 2A (C-code)	60V	60V	MB12MBAFF05ST-X MB12MBBFF05ST-X MB12MBCFF05ST-X
06 pins					PCB version	2A	30V	30V	MB12MBCFF06ST-X
08 pins					PCB version	2A	30V	30V	MB12MBAFF08ST-X
12 pins					PCB version	1.5A	30V	30V	MB12MBAFF12ST-X
17 pins					PCB version	1.5A	30V	30V	MB12MBAFF17ST-X

Note: X refers to Chasis-side thread size

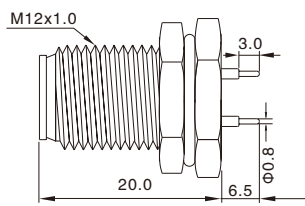
Remarks

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

M12 Male Panel Mount, 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*FF**ST-0

* refers to coding type
** refers to pins number



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
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	MB12MBAFF03ST-0 MB12MBBFF03ST-0 MB12MBCFF03ST-0
04 pins					PCB version	4A	250V	250V	MB12MBAFF04ST-0 MB12MBBFF04ST-0 MB12MBCFF04ST-0 MB12MBDFF04ST-0
05 pins					PCB version	4A 2A(C-code)	60V	60V	MB12MBAFF05ST-0 MB12MBBFF05ST-0 MB12MBCFF05ST-0
06 pins					PCB version	2A	30V	30V	MB12MBCFF06ST-0
08 pins					PCB version	2A	30V	30V	MB12MBAFF08ST-0
12 pins					PCB version	1.5A	30V	30V	MB12MBAFF12ST-0
17 pins					PCB version	1.5A	30V	30V	MB12MBAFF17ST-0

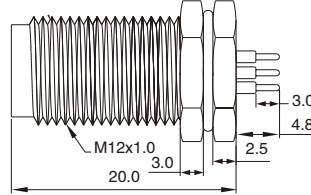
Remarks

- 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
- Locking type: Plastic fix screw
- Mounting type: Front fastened
- Part No.: MB12MBAFP**ST-0

** refers to pins number



General information



Standard:	IEC 61076-2-101
Ambient temperature:	-25°C ~ +90°C
Connector insert:	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
PCB layout:	Refer to page 286
Mating endurance:	>500 cycles

Electrical data & Mechanical data

Contacts		Contacts termination	Rated current	Voltage		Part No.
				A/C	D/C	
04 pins		PCB version	4A	250V	250V	MB12MBAFP04ST-0
05 pins		PCB version	4A	60V	60V	MB12MBAFP05ST-0
08 pins		PCB version	2A	30V	30V	MB12MBAFP08ST-0

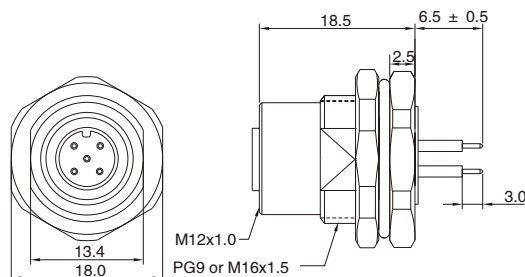
Remarks

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

M12 Female Panel Mount, 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*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°C ~ +90°C
Connector insert:	PA+GF
Connector contacts:	Brass with gold plated
Connector nut/screw:	Brass with nickel plated
Seal / O-ring:	Epoxy resin / FKM

Insulation resistance:	≥ 100MΩ
Contact resistance :	≤ 5mΩ
Shielding:	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	MB12FBAFF03ST-X MB12FBBFF03ST-X MB12FBCFF03ST-X
04 pins					PCB version	4A	250V	250V	MB12FBAFF04ST-X MB12FBBFF04ST-X MB12FBCFF04ST-X MB12FBDFF04ST-X
05 pins					PCB version	4A 2A(C-code)	60V	60V	MB12FBAFF05ST-X MB12FBBFF05ST-X MB12FBCFF05ST-X
06 pins					PCB version	2A	30V	30V	MB12FBCFF06ST-X
08 pins					PCB version	2A	30V	30V	MB12FBAFF08ST-X
12 pins					PCB version	1.5A	30V	30V	MB12FBAFF12ST-X
17 pins					PCB version	1.5A	30V	30V	MB12FBAFF17ST-X

Note: X refers to Chassis-side thread size

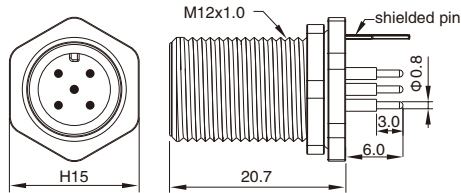
Remarks

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

M12 Male Panel Mount, 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*FF**ST-0

* refers to coding type
** refers to pins number



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
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	MB12MBSAFF03ST-0 MB12MBSBFF03ST-0 MB12MBSCTFF03ST-0
04 pins					PCB version	4A	250V	250V	MB12MBSAFF04ST-0 MB12MBSBFF04ST-0 MB12MBSCTFF04ST-0 MB12MBSCTFF04ST-0
05 pins					PCB version	4A 2A(C-code)	60V	60V	MB12MBSAFF05ST-0 MB12MBSBFF05ST-0 MB12MBSCTFF05ST-0
06 pins					PCB version	2A	30V	30V	MB12MBSCTFF06ST-0
08 pins					PCB version	2A	30V	30V	MB12MBSAFF08ST-0
12 pins					PCB version	1.5A	30V	30V	MB12MBSAFF12ST-0
17 pins					PCB version	1.5A	30V	30V	MB12MBSAFF17ST-0

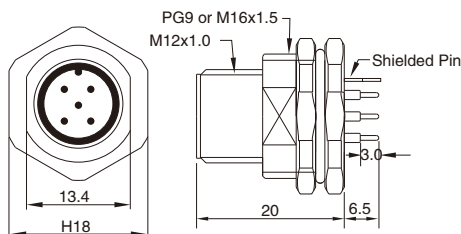
Remarks

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

M12 Male Panel Mount, 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*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:	-25°C ~ +90°C
Connector insert:	TPU
Connector contacts:	Brass with gold plated
Connector nut/screw:	Brass with nickel plated
Seal / O-ring:	Epoxy resin / FKM

Insulation resistance:	≥ 100MΩ
Contact resistance :	≤ 5mΩ
Shielding:	Available
IP rating:	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	MB12MBSAFF03ST-X MB12MBSBFF03ST-X MB12MBSFFF03ST-X
04 pins					PCB version	4A	250V	250V	MB12MBSAFF04ST-X MB12MBSBFF04ST-X MB12MBSFFF04ST-X MB12MBSDF04ST-X
05 pins					PCB version	4A 2A(C-code)	60V	60V	MB12MBSAFF05ST-X MB12MBSBFF05ST-X MB12MBSFFF05ST-X
06 pins					PCB version	2A	30V	30V	MB12MBSFFF06ST-X
08 pins					PCB version	2A	30V	30V	MB12MBSAFF08ST-X
12 pins					PCB version	1.5A	30V	30V	MB12MBSAFF12ST-X
17 pins					PCB version	1.5A	30V	30V	MB12MBSAFF17ST-X

Note: X refers to Chassis-side thread size

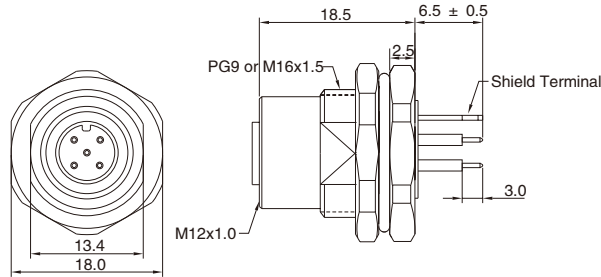
Remarks

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

M12 Female Panel Mount, PCB Type, Front fastened, Shielded

- Connector series: M12
- Gender: Female
- Coding: A,B,C,D
- Locking type: Fix screw
- Mounting type: Front fastened
- Part No.: MB12FBS*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°C ~ +90°C
Connector insert:	PA+GF
Connector contacts:	Brass with gold plated
Connector nut/screw:	Brass with nickel plated
Seal / O-ring:	Epoxy resin / FKM

Insulation resistance:	≥ 100MΩ
Contact resistance :	≤ 5mΩ
Shielding:	Available
IP rating:	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	MB12FBSAFF03ST-X MB12FBSBFF03ST-X MB12FBS CFF03ST-X
04 pins					PCB version	4A	250V	250V	MB12FBSAFF04ST-X MB12FBSBFF04ST-X MB12FBS CFF04ST-X MB12FBS DFF04ST-X
05 pins					PCB version	4A 2A(C-code)	60V	60V	MB12FBSAFF05ST-X MB12FBSBFF05ST-X MB12FBS CFF05ST-X
06 pins					PCB version	2A	30V	30V	MB12FBS CFF06ST-X
08 pins					PCB version	2A	30V	30V	MB12FBSAFF08ST-X
12 pins					PCB version	1.5A	30V	30V	MB12FBSAFF12ST-X
17 pins					PCB version	1.5A	30V	30V	MB12FBSAFF17ST-X

Note: X refers to Chassis-side thread size

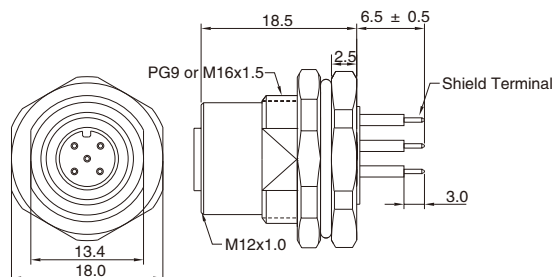
Remarks

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

M12 Female Panel Mount, PCB Type, Front Fastened, with Shielded Terminal

- Connector series: M12
- Gender: Female
- Coding: A,B,C,D
- Locking type: Fix screw
- Mounting type: Front fastened
- Part No.: MB12FBS*FF**ST-X-s

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



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: 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	MB12FBSAFF03ST-X-s MB12FBSBFF03ST-X-s MB12FBSCTFF03ST-X-s
04 pins					PCB version	4A	250V	250V	MB12FBSAFF04ST-X-s MB12FBSBFF04ST-X-s MB12FBSCTFF04ST-X-s MB12FBSCTFF04ST-X-s
05 pins					PCB version	4A 2A(C-code)	60V	60V	MB12FBSAFF05ST-X-s MB12FBSBFF05ST-X-s MB12FBSCTFF05ST-X-s
06 pins					PCB version	2A	30V	30V	MB12FBSCTFF06ST-X-s
08 pins					PCB version	2A	30V	30V	MB12FBSAFF08ST-X-s
12 pins					PCB version	1.5A	30V	30V	MB12FBSAFF12ST-X-s
17 pins					PCB version	1.5A	30V	30V	MB12FBSAFF17ST-X-s

Note: X refers to Chasis-side thread size

Remarks

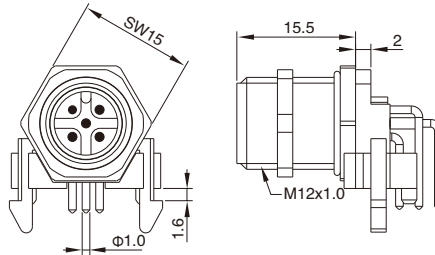
- Please refer to Page 96 for products' part number encoding rule.

M12 Male Panel Mount, Angled, PCB Type, Front fastened

- Connector series: M12
- Gender: Male
- Coding: A,B,D
- Locking type: Fix screw
- Mounting type: Right angled
- Part No.: MB12MB*FF**RA-0 (Unshielding)
MB12MBS*FF**RA-0 (Shielding)

* refers to coding type

** refers to pins number



General information

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

Insulation resistance:	≥100MΩ
Contact resistance :	≤5mΩ
Shielding:	Unavailable / 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	D			A/C	D/C	
04 pins				PCB version	4A	250V	250V	MB12MBAFF04RA-0 MB12MBSAFF04RA-0 MB12MBBFF04RA-0 MB12MBSBFF04RA-0 MB12MBDFF04RA-0 MB12MBSDFF04RA-0
05 pins				PCB version	4A	60V	60V	MB12MBAFF05RA-0 MB12MBSAFF05RA-0 MB12MBBFF05RA-0 MB12MBSBFF05RA-0
08 pins				PCB version	2A	30V	30V	MB12MBAFF08RA-0 MB12MBSAFF08RA-0

Remarks

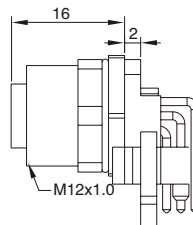
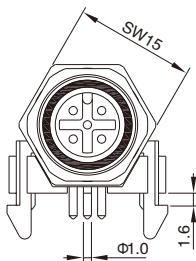
- Please refer to Page 96 for products' part number encoding rule.

M12 Female Panel Mount, Angled, PCB Type, Front fastened

- Connector series: M12
- Gender: Female
- Coding: A,B,D
- Locking type: Fix screw
- Mounting type: Right angled
- Part No.: MB12FB*FF**RA-0(Unshielding)
MB12FBS*FF**RA-0 (Shielding)

* refers to coding type

** refers to pins number



General information



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

Insulation resistance:	≥ 100MΩ
Contact resistance :	≤ 5mΩ
Shielding:	Unavailable / 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

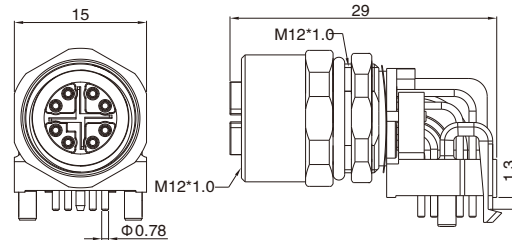
Contacts	Available Coding			Contacts termination	Rated current	Voltage		Part No.
	A	B	D			A/C	D/C	
04 pins				PCB version	4A	250V	250V	MB12FBAFF04RA-0 MB12FBSAFF04RA-0 MB12FBBFF04RA-0 MB12FBSBFF04RA-0 MB12FBDFF04RA-0 MB12FBSDBFF04RA-0
05 pins				PCB version	4A	60V	60V	MB12FBAFF05RA-0 MB12FBSAFF05RA-0 MB12FBBFF05RA-0 MB12FBSBFF05RA-0
08 pins				PCB version	2A	30V	30V	MB12FBAFF08RA-0 MB12FBSAFF08RA-0

Remarks

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

M12 Female Panel Mount, Angled PCB Type, Rear fastened, X-coding, Shielded

- Connector series: M12
- Gender: Female
- Coding: X
- Locking type: Fix screw
- Mounting type: Right angled
- Part No.: MB12FBSXFF08RA-2



General information

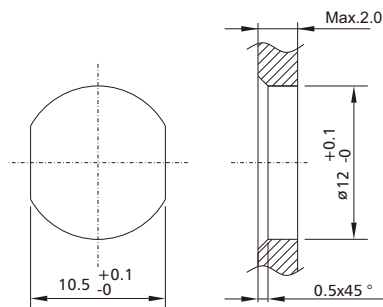
Standard:	IEC 61076-2-109
Ambient temperature:	-25°C ~ +90°C
Connector insert:	PA / TPU
Connector contacts:	Brass with gold plated
Connector nut/screw:	Brass / Stainless steel
Seal / O-ring:	FKM

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

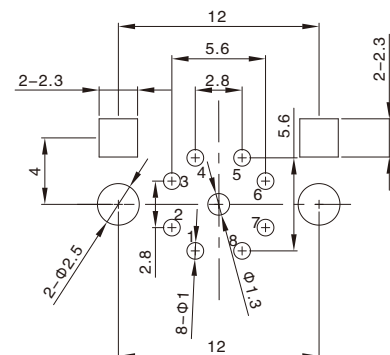
Electrical data & Mechanical data

Contacts		Contacts termination	Rated current	Voltage		Part No.
				A/C	D/C	
08 pins		PCB version	0.5A	50V	60V	MB12FBSXFF08RA-2

Panel Cut-out Dimensions



PCB Layout

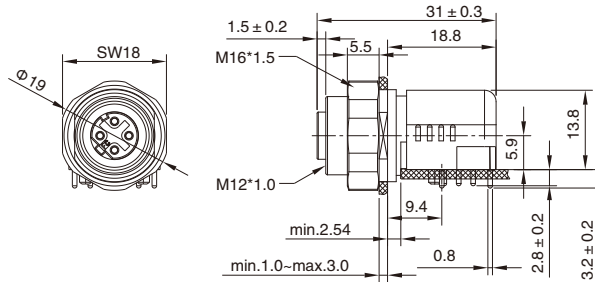


Remarks

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

M12 Female Panel Mount, Angled, PCB Type, Shielded Shell, Whithout Fixed Holes

- Connector series: M12
- Gender: Female
- Coding: D
- Locking type: Fix screw
- Mounting type: Right angled
- Part No.: MB12FBSDDFF04RA-20



General information



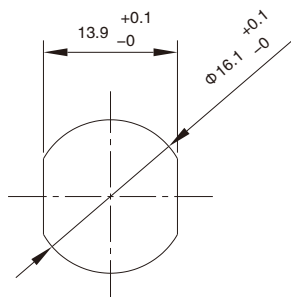
Standard:	IEC 61076-2-101
Ambient temperature:	-40°C ~ +90°C
Connector insert:	PA
Connector contacts:	Brass with gold plated
Connector nut/screw:	Brass with nickel plated
Connector body:	Brass with nickel plated
Shield Shell:	Zinc alloy with nickel plated
Seal / O-ring:	FKM

Insulation resistance:	$\geq 100M\Omega$
Contact resistance :	$\leq 5m\Omega$
Shielding:	Available
IP rating:	IP20 in locked condition
Transmission characteristics:	Cat. 5,D level: up to 100 MHz
Mating endurance:	>500 cycles

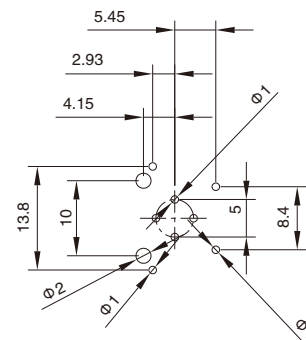
Electrical data & Mechanical data

Contacts	Contacts termination	Rated current	Voltage		Part No.
			A/C	D/C	
04 pins		PCB version	4A	50V	50V
					MB12FBSDDFF04RA-20

Panel Cut-out Dimensions



PCB Layout



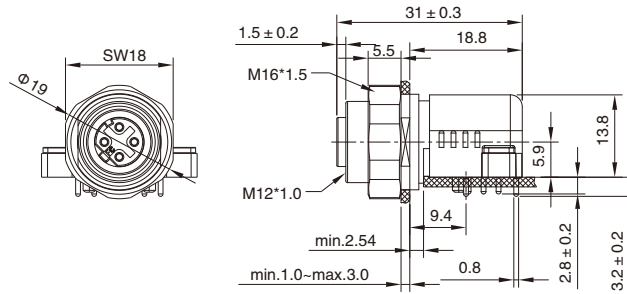
Remarks

Recommended PCB thickness: 1.6mm

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

M12 Female Panel Mount, Angled, PCB Type, Shielded Shell, Whith Fixed Holes

- Connector series: M12
- Gender: Female
- Coding: D
- Locking type: Fix screw
- Mounting type: Right angled
- Part No.: MB12FBSDDFF04RA-21



General information

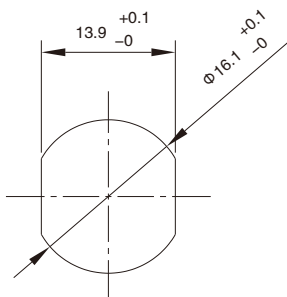
Standard:	IEC 61076-2-101
Ambient temperature:	-40°C ~ +90°C
Connector insert:	PA
Connector contacts:	Brass with gold plated
Connector nut/screw:	Brass with nickel plated
Connector body:	Brass with nickel plated
Shield Shell:	Zinc alloy with nickel plated
Seal / O-ring:	FKM

Insulation resistance:	$\geq 100M\Omega$
Contact resistance :	$\leq 5m\Omega$
Shielding:	Available
IP rating:	IP20 in locked condition
Transmission characteristics:	Cat. 5,D level: up to 100 MHz
Mating endurance:	>500 cycles

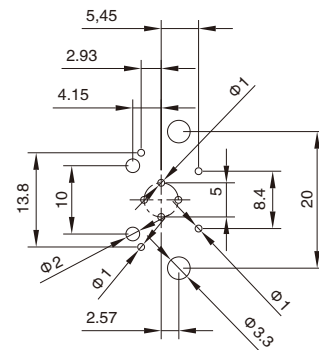
Electrical data & Mechanical data

Contacts		Contacts termination	Rated current	Voltage		Part No.
				A/C	D/C	
04 pins		PCB version	4A	50V	50V	MB12FBSDDFF04RA-21

Panel Cut-out Dimensions



PCB Layout



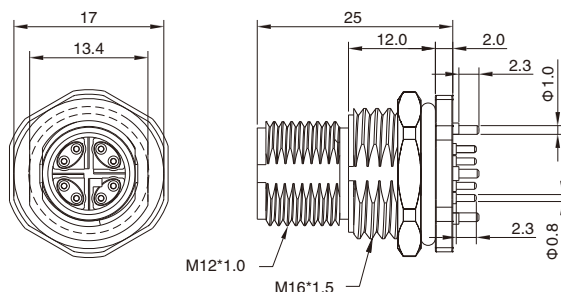
Remarks

Recommended PCB thickness: 1.6mm

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

M12 Male Panel Mount, PCB Type, Front fastened, X-coding, Shielded

- Connector series: M12
- Gender: Male
- Coding: X
- Locking type: Fix screw
- Mounting type: Front fastened
- Part No.: MB12MBSXFF08ST-2



General information



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

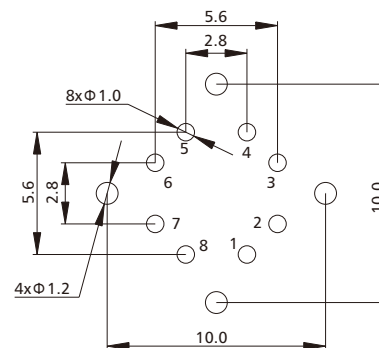
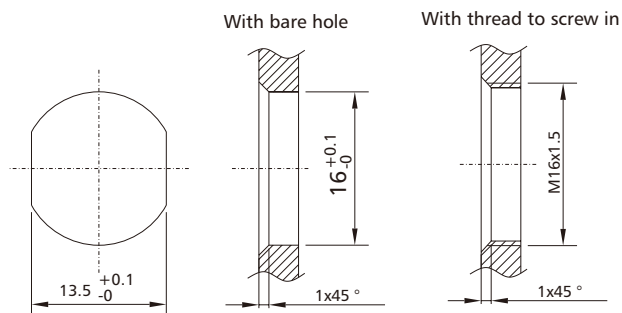
Insulation resistance:	≥ 100MΩ
Contact resistance :	≤ 10mΩ
Shielding:	Available
IP rating:	IP68 in locked condition
Mating endurance:	>500 cycles

Electrical data & Mechanical data

Contacts		Contacts termination	Rated current	Voltage		Part No.
				A/C	D/C	
08 pins		PCB version	0.5A	50V	60V	MB12MBSXFF08ST-2

Panel Cut-out Dimensions

PCB Layout

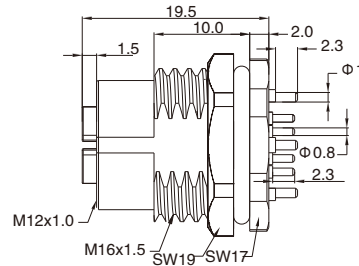


Remarks

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

M12 Female Panel Mount, PCB Type, Front fastened, X-coding, Shielded

- Connector series: M12
- Gender: Female
- Coding: X
- Locking type: Fix screw
- Mounting type: Front fastened
- Part No.: MB12FBSXFF08ST-2



■ General information

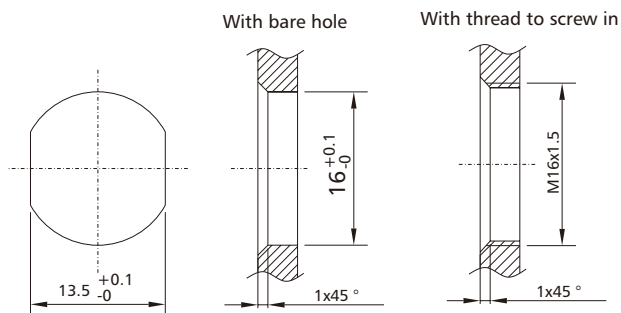
Standard:	IEC 61076-2-109
Ambient temperature:	-25°C ~ + 90°C
Connector insert:	PA
Connector contacts:	Brass with gold plated
Connector screw/nut:	Brass/Zinc with nickel plated
Seal / O-ring:	FKM

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

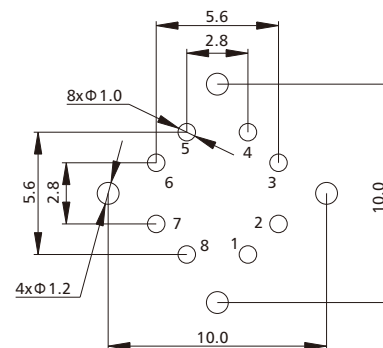
■ Electrical data & Mechanical data

Contacts		Contacts termination	Rated current	Voltage		Part No.
				A/C	D/C	
08 pins		PCB version	0.5A	50V	60V	MB12FBSXFF08ST-2

■ Panel Cut-out Dimensions



■ PCB Layout

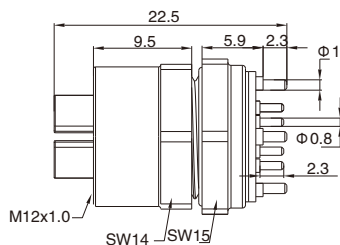


■ Remarks

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

M12 Female Panel Mount, PCB Type, Rear fastened, X-coding, Shielded

- Connector series: M12
- Gender: Female
- Coding: X
- Locking type: Fix screw
- Mounting type: Rear fastened
- Part No.: MB12FBSXFF08ST-0



■ General information

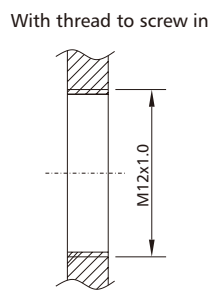
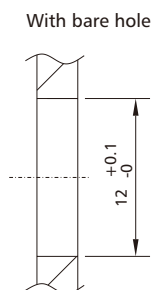
Standard:	IEC 61076-2-109
Ambient temperature:	-25°C ~ + 90°C
Connector insert:	PA
Connector contacts:	Brass with gold plated
Connector screw/nut:	Brass/Zinc with nickel plated
Seal / O-ring:	FKM

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

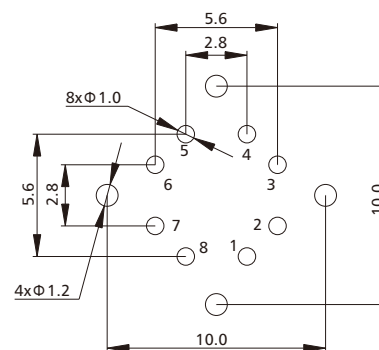
■ Electrical data & Mechanical data

Contacts		Contacts termination	Rated current	Voltage		Part No.
				A/C	D/C	
08 pins		PCB version	0.5A	50V	60V	MB12FBSXFF08ST-0

■ Panel Cut-out Dimensions



■ PCB Layout

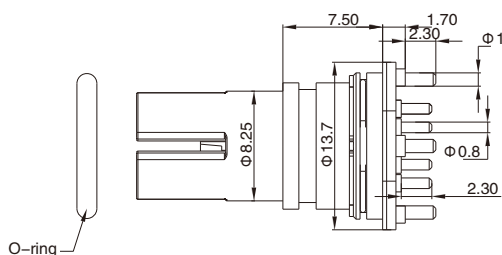


■ Remarks

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

M12 Female Panel Mount, PCB Type, Without Screw, X-coding, Shielded

- Connector series: M12
- Gender: Female
- Coding: X
- Locking type: Snap-in
- Mounting type: Front fastened
- Part No.: MB12FBSXFI08ST



■ General information

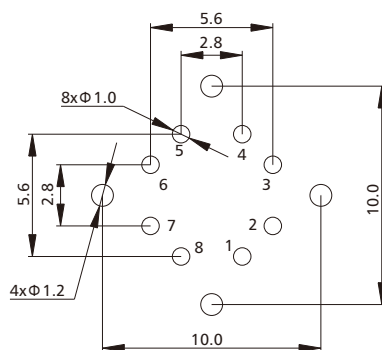
Standard:	IEC 61076-2-109
Ambient temperature:	-25°C ~ + 90°C
Connector insert:	PA
Connector contacts:	Brass with gold plated
Connector screw/nut:	Brass/Zinc with nickel plated
Seal / O-ring:	FKM

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

■ Electrical data & Mechanical data

Contacts		Contacts termination	Rated current	Voltage		Part No.
				A/C	D/C	
08 pins		PCB version	0.5A	50V	60V	MB12FBSXF108ST

■ PCB Layout



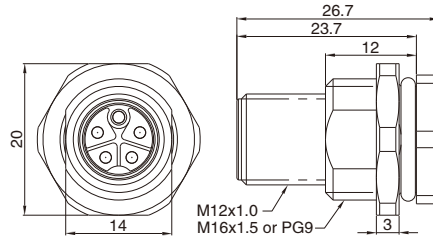
■ Remarks

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

M12 Male Panel, Solder & Crimp, Front fastened, K-coding

- Connector series: M12
- Gender: Male
- Coding: K
- Locking type: Fix screw
- Mounting type: Front fastened
- Part No.: MB12M*KFF05ST-X

* refer to terminal type
X refers to Chassis-side thread size



General information

Standard:	IEC 61076-2-111
Ambient temperature:	-40℃ ~ +80℃(fixed installation) -20℃ ~ +80℃(flexible installation)
Connector insert:	PA
Connector contacts:	Brass with gold plated
Connector nut/screw:	Brass with nickel plated
Seal / O-ring:	FKM

Insulation resistance:	≥ 100MΩ
Contact resistance :	≤ 8mΩ
Shielding:	Unavailable
IP rating:	IP68 in locked condition
Mating endurance:	>500 cycles

Electrical data & Mechanical data

Contacts	Contacts termination	Rated current	Voltage		Wire gauge / size		Part No.
			A/C	D/C	AWG	mm ²	
05 pins 	Crimp & Solder	16A	690V	NC	14AWG	2.0	MB12MSKFF05ST-X MB12MCKFF05ST-X

Note: X refers to Chassis-side thread size, S: Solder C: Crimp

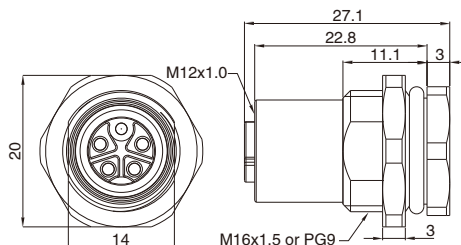
Remarks

- 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, Solder & Crimp, Front fastened, K-coding

- Connector series: M12
- Gender: Female
- Coding: K
- Locking type: Fix screw
- Mounting type: Front fastened
- Part No.: MB12F*KFF05ST-X

* refer to terminal type
X refers to Chassis-side thread size



General information

Standard:	IEC 61076-2-111
Ambient temperature:	-40℃ ~ +80℃(fixed installation) -20℃ ~ +80℃(flexible installation)
Connector insert:	PA
Connector contacts:	Brass with gold plated
Connector nut/screw:	Brass with nickel plated
Seal / O-ring:	FKM

Insulation resistance:	≥ 100MΩ
Contact resistance :	≤ 8mΩ
Shielding:	Unavailable
IP rating:	IP68 in locked condition
Mating endurance:	>500 cycles

Electrical data & Mechanical data

Contacts	Contacts termination	Rated current	Voltage		Wire gauge / size		Part No.
			A/C	D/C	AWG	mm ²	
05 pins  (4+PE)	Crimp & Solder	16A	690V	NC	14AWG	2.0	MB12FSKFF05ST-X MB12FCKFF05ST-X

Note: X refers to Chassis-side thread size, S: Solder C: Crimp

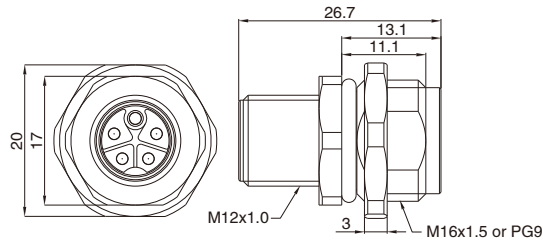
Remarks

- 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, Solder & Crimp, Rear fastened, K-coding

- Connector series: M12
- Gender: Male
- Coding: K
- Locking type: Fix screw
- Mounting type: Rear fastened
- Part No.: MB12M*KRF05ST-X

* refer to terminal type
X refers to Chassis-side thread size



General information



Standard:	IEC 61076-2-111
Ambient temperature:	-40℃ ~ +80℃(fixed installation) -20℃ ~ +80℃(flexible installation)
Connector insert:	PA
Connector contacts:	Brass with gold plated
Connector nut/screw:	Brass with nickel plated
Seal / O-ring:	FKM

Insulation resistance:	≥ 100MΩ
Contact resistance :	≤ 8mΩ
Shielding:	Unavailable
IP rating:	IP68 in locked condition
Mating endurance:	>500 cycles

Electrical data & Mechanical data

Contacts	Contacts termination	Rated current	Voltage		Wire gauge / size		Part No.
			A/C	D/C	AWG	mm ²	
05 pins (4+PE)	Crimp & Solder	16A	690V	NC	14AWG	2.0	MB12M\$KRF05ST-X MB12M\$CKRF05ST-X

Note: \$ refers to Chassis-side thread size, S: Solder C: Crimp

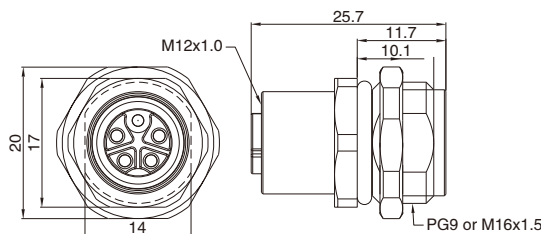
Remarks

- 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, Solder & Crimp, Rear fastened, K-coding

- Connector series: M12
- Gender: Female
- Coding: K
- Locking type: Fix screw
- Mounting type: Rear fastened
- Part No.: MB12F*KRF05ST-X

* refer to terminal type
X refers to Chassis-side thread size



General information

Standard:	IEC 61076-2-111
Ambient temperature:	-40°C ~ +80°C(fixed installation) -20°C ~ +80°C(flexible installation)
Connector insert:	PA
Connector contacts:	Brass with gold plated
Connector nut/screw:	Brass with nickel plated
Seal / O-ring:	FKM

Insulation resistance:	≥ 100MΩ
Contact resistance :	≤ 8mΩ
Shielding:	Unavailable
IP rating:	IP68 in locked condition
Mating endurance:	>500 cycles

Electrical data & Mechanical data

Contacts	Contacts termination	Rated current	Voltage		Wire gauge / size		Part No.
			A/C	D/C	AWG	mm ²	
05 pins  (4+PE)	Crimp & Solder	16A	690V	NC	14AWG	2.0	MB12FSKRF05ST-X MB12FC [~] KRF05ST-X

Note: X refers to Chassis-side thread size, S: Solder C: Crimp

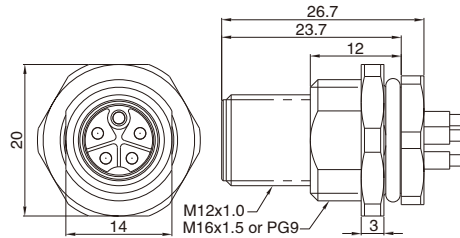
Remarks

- 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, PCB Type, Front fastened, K-coding

- Connector series: M12
- Gender: Male
- Coding: K
- Locking type: Fix screw
- Mounting type: Front fastened
- Part No.: MB12MBKFF05ST-X

X refers to Chasis-side thread size



General information



Standard:	IEC 61076-2-111
Ambient temperature:	-40℃ ~ +80℃(fixed installation) -20℃ ~ +80℃(flexible installation)
Connector insert:	PA
Connector contacts:	Brass with gold plated
Connector nut/screw:	Brass with nickel plated
Seal / O-ring:	FKM

Insulation resistance:	≥ 100MΩ
Contact resistance :	≤ 8mΩ
Shielding:	Unavailable
IP rating:	IP68 in locked condition
Mating endurance:	>500 cycles

Electrical data & Mechanical data

Contacts	Contacts termination	Rated current	Voltage		Wire gauge / size		Part No.
			A/C	D/C	AWG	mm ²	
05 pins (4+PE)	PCB	16A	690V	NC	14AWG	2.0	MB12MBKFF05ST-X

Note: X refers to Chasis-side thread size

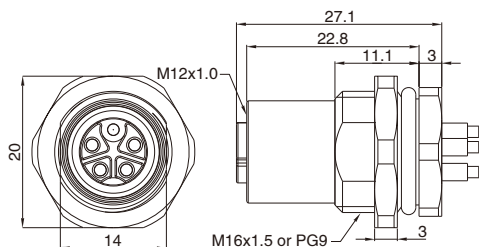
Remarks

- 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 Female Panel, PCB Type, Front fastened, K-coding

- Connector series: M12
- Gender: Female
- Coding: K
- Locking type: Fix screw
- Mounting type: Front fastened
- Part No.: MB12FBKFF05ST-X

X refers to Chasis-side thread size



General information



Standard:	IEC 61076-2-111
Ambient temperature:	-40℃ ~ +80℃(fixed installation) -20℃ ~ +80℃(flexible installation)
Connector insert:	PA
Connector contacts:	Brass with gold plated
Connector nut/screw:	Brass with nickel plated
Seal / O-ring:	FKM

Insulation resistance:	≥ 100MΩ
Contact resistance :	≤ 8mΩ
Shielding:	Unavailable
IP rating:	IP68 in locked condition
Mating endurance:	>500 cycles

Electrical data & Mechanical data

Contacts	Contacts termination	Rated current	Voltage		Wire gauge / size		Part No.
			A/C	D/C	AWG	mm ²	
05 pins  (4+PE)	PCB	16A	690V	NC	14AWG	2.0	MB12FBKFF05ST-X

Note: X refers to Chasis-side thread size

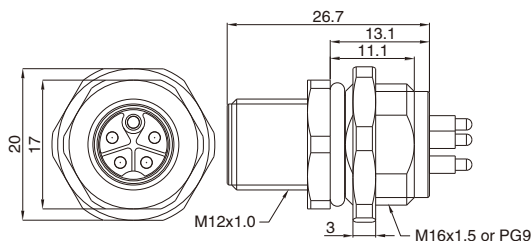
Remarks

- 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, PCB Type, Rear fastened, K-coding

- Connector series: M12
- Gender: Male
- Coding: K
- Locking type: Fix screw
- Mounting type: Rear fastened
- Part No.: MB12MBKRF05ST-X

X refers to Chasis-side thread size



General information



Standard:	IEC 61076-2-111
Ambient temperature:	-40℃ ~ +80℃(fixed installation) -20℃ ~ +80℃(flexible installation)
Connector insert:	PA
Connector contacts:	Brass with gold plated
Connector nut/screw:	Brass with nickel plated
Seal / O-ring:	FKM

Insulation resistance:	≥ 100MΩ
Contact resistance :	≤ 8mΩ
Shielding:	Unavailable
IP rating:	IP68 in locked condition
Mating endurance:	>500 cycles

Electrical data & Mechanical data

Contacts	Contacts termination	Rated current	Voltage		Wire gauge / size		Part No.
			A/C	D/C	AWG	mm ²	
05 pins (4+PE)	PCB	16A	690V	NC	14AWG	2.0	MB12MBKRF05ST-X

Note: X refers to Chasis-side thread size

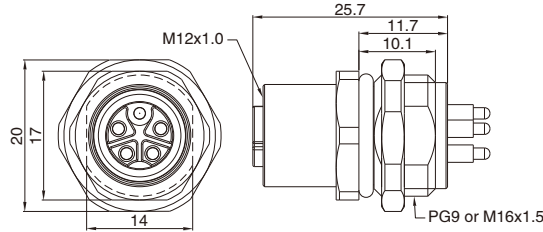
Remarks

- 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 Female Panel, PCB Type, Rear fastened, K-coding

- Connector series: M12
- Gender: Female
- Coding: K
- Locking type: Fix screw
- Mounting type: Rear fastened
- Part No.: MB12FBKRF05ST-X

X refers to Chasis-side thread size



General information



Standard:	IEC 61076-2-111
Ambient temperature:	-40℃ ~ +80℃(fixed installation) -20℃ ~ +80℃(flexible installation)
Connector insert:	PA
Connector contacts:	Brass with gold plated
Connector nut/screw:	Brass with nickel plated
Seal / O-ring:	FKM

Insulation resistance:	≥ 100MΩ
Contact resistance :	≤ 8mΩ
Shielding:	Unavailable
IP rating:	IP68 in locked condition
Mating endurance:	>500 cycles

Electrical data & Mechanical data

Contacts		Contacts termination	Rated current	Voltage		Wire gauge / size		Part No.
				A/C	D/C	AWG	mm ²	
05 pins	 (4+PE)	PCB	16A	690V	NC	14AWG	2.0	MB12FBKRF05ST-X

Note: X refers to Chasis-side thread size

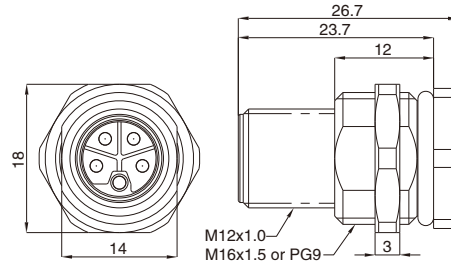
Remarks

- 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, Solder & Crimp, Front fastened, L-coding

- Connector series: M12
- Gender: Male
- Coding: L
- Locking type: Fix screw
- Mounting type: Front fastened
- Part No.: MB12M*LFF**ST-X

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



General information

Standard:	IEC 61076-2-111
Ambient temperature:	-40°C ~ +80°C(fixed installation) -20°C ~ +80°C(flexible installation)
Connector insert:	PA
Connector contacts:	Brass with gold plated
Connector nut/screw:	Brass with nickel plated
Seal / O-ring:	FKM

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

Electrical data & Mechanical data

Contacts	Contacts termination	Rated current	Voltage		Wire gauge / size		Part No.
			A/C	D/C	AWG	mm ²	
05 pins (4+PE)	Crimp & Solder	16A	NC	63V	14AWG	2.0	MB12M\$LFF05ST-X MB12M\$CLFF05ST-X

Note: X refers to Chasis-side thread size, \$: Solder C: Crimp

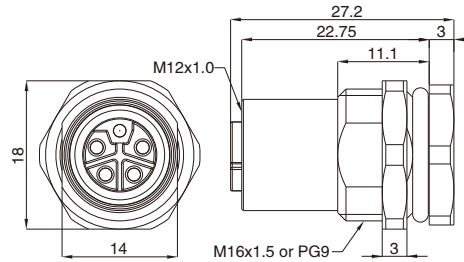
Remarks

- 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, Solder & Crimp, Front fastened, L-coding

- Connector series: M12
- Gender: Female
- Coding: L
- Locking type: Fix screw
- Mounting type: Front fastened
- Part No.: MB12F*LFF**ST-XX

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



General information

Standard:	IEC 61076-2-111
Ambient temperature:	-40℃ ~ +80℃(fixed installation) -20℃ ~ +80℃(flexible installation)
Connector insert:	PA
Connector contacts:	Brass with gold plated
Connector nut/screw:	Brass with nickel plated
Seal / O-ring:	FKM

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

Electrical data & Mechanical data

Contacts	Contacts termination	Rated current	Voltage		Wire gauge / size		Part No.
			A/C	D/C	AWG	mm ²	
05 pins (4+PE)	Crimp & Solder	16A	NC	63V	14AWG	2.0	MB12FSLFF05ST- <u>X</u> MB12FCLFF05ST- <u>X</u>

Note: X refers to Chasis-side thread size, S: Solder C: Crimp

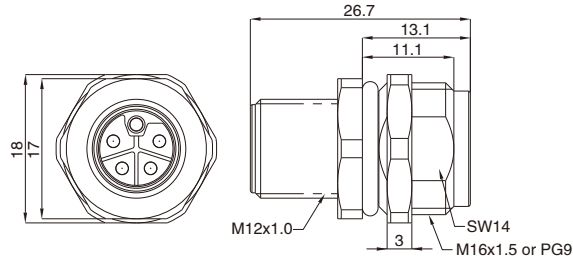
Remarks

- 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, Solder & Crimp, Rear fastened, L-coding

- Connector series: M12
- Gender: Male
- Coding: L
- Locking type: Fix screw
- Mounting type: Rear fastened
- Part No.: MB12M*LRF**ST-X

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



General information



Standard:	IEC 61076-2-111
Ambient temperature:	-40°C ~ +80°C(fixed installation) -20°C ~ +80°C(flexible installation)
Connector insert:	PA
Connector contacts:	Brass with gold plated
Connector nut/screw:	Brass with nickel plated
Seal / O-ring:	FKM

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

Electrical data & Mechanical data

Contacts	Contacts termination	Rated current	Voltage		Wire gauge / size		Part No.
			A/C	D/C	AWG	mm ²	
05 pins (4+PE)	Crimp & Solder	16A	NC	63V	14AWG	2.0	MB12MSLRF05ST-X MB12MCLRf05ST-X

Note: X refers to Chassis-side thread size, S: Solder C: Crimp

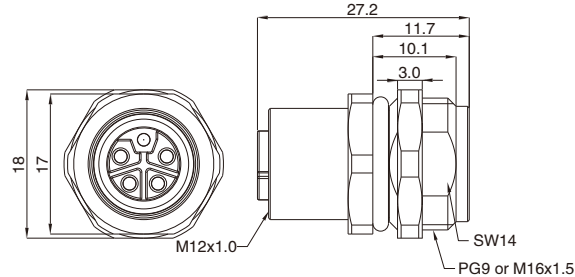
Remarks

- 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, Solder & Crimp, Rear fastened, L-coding

- Connector series: M12
- Gender: Female
- Coding: L
- Locking type: Fix screw
- Mounting type: Rear fastened
- Part No.: MB12F*LRF**ST-XX

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



General information

Standard:	IEC 61076-2-111
Ambient temperature:	-40℃ ~ +80℃(fixed installation) -20℃ ~ +80℃(flexible installation)
Connector insert:	PA
Connector contacts:	Brass with gold plated
Connector nut/screw:	Brass with nickel plated
Seal / O-ring:	FKM

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

Electrical data & Mechanical data

Contacts	Contacts termination	Rated current	Voltage		Wire gauge / size		Part No.
			A/C	D/C	AWG	mm ²	
05 pins  (4+PE)	Crimp & Solder	16A	NC	63V	14AWG	2.0	MB12FSLRF05ST- <u>X</u> MB12FCLRF05ST- <u>X</u>

Note: X refers to Chasis-side thread size, S: Solder C: Crimp

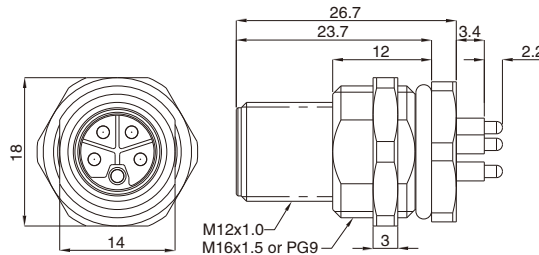
Remarks

- 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, PCB Type, Front fastened, L-coding

- Connector series: M12
- Gender: Male
- Coding: L
- Locking type: Fix screw
- Mounting type: Front fastened
- Part No.: MB12MBLFF05ST-X

X refers to Chasis-side thread size



General information



Standard:	IEC 61076-2-111
Ambient temperature:	-40℃ ~ +80℃(fixed installation) -20℃ ~ +80℃(flexible installation)
Connector insert:	PA
Connector contacts:	Brass with gold plated
Connector nut/screw:	Brass with nickel plated
Seal / O-ring:	FKM

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

Electrical data & Mechanical data

Contacts	Contacts termination	Rated current	Voltage		Wire gauge / size		Part No.
			A/C	D/C	AWG	mm ²	
05 pins (4 + PE)	PCB	16A	NC	63V	NC	NC	MB12MBLFF05ST-X

Note: X refers to Chasis-side thread size

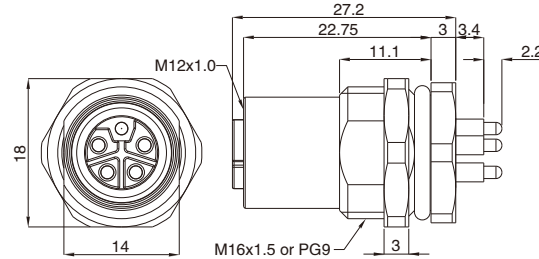
Remarks

- 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 Female Panel, PCB Type, Front fastened, L-coding

- Connector series: M12
- Gender: Female
- Coding: L
- Locking type: Fix screw
- Mounting type: Front fastened
- Part No.: MB12FBLFF05ST-X

X refers to Chasis-side thread size



General information

Standard:	IEC 61076-2-111
Ambient temperature:	-40℃ ~ +80℃(fixed installation) -20℃ ~ +80℃(flexible installation)
Connector insert:	PA
Connector contacts:	Brass with gold plated
Connector nut/screw:	Brass with nickel plated
Seal / O-ring:	FKM

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

Electrical data & Mechanical data

Contacts	Contacts termination	Rated current	Voltage		Wire gauge / size		Part No.
			A/C	D/C	AWG	mm ²	
05 pins (4+PE)	PCB	16A	NC	63V	NC	NC	MB12FBLFF05ST-X

Note: X refers to Chasis-side thread size

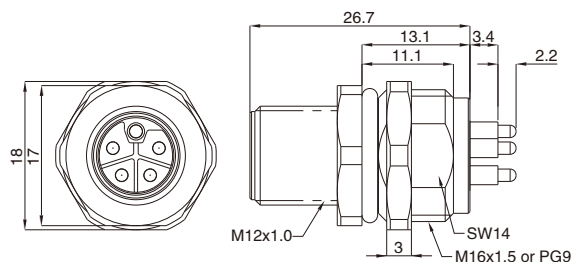
Remarks

- 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, PCB Type, Rear fastened, L-coding

- Connector series: M12
- Gender: Male
- Coding: L
- Locking type: Fix screw
- Mounting type: Rear fastened
- Part No.: MB12MBLRF05ST-X

X refers to Chasis-side thread size



General information



Standard:	IEC 61076-2-111
Ambient temperature:	-40℃ ~ +80℃(fixed installation) -20℃ ~ +80℃(flexible installation)
Connector insert:	PA
Connector contacts:	Brass with gold plated
Connector nut/screw:	Brass with nickel plated
Seal / O-ring:	FKM

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

Electrical data & Mechanical data

Contacts	Contacts termination	Rated current	Voltage		Wire gauge / size		Part No.
			A/C	D/C	AWG	mm ²	
05 pins (4+PE)	PCB	16A	NC	63V	NC	NC	MB12MBLRF05ST-X

Note: X refers to Chasis-side thread size

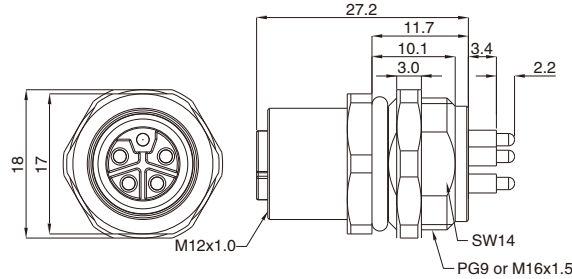
Remarks

- 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 Female Panel, PCB Type, Rear fastened, L-coding

- Connector series: M12
- Gender: Female
- Coding: L
- Locking type: Fix screw
- Mounting type: Rear fastened
- Part No.: MB12FBLRF05ST-X

X refers to Chasis-side thread size



General information



Standard:	IEC 61076-2-111
Ambient temperature:	-40℃ ~ +80℃(fixed installation) -20℃ ~ +80℃(flexible installation)
Connector insert:	PA
Connector contacts:	Brass with gold plated
Connector nut/screw:	Brass with nickel plated
Seal / O-ring:	FKM

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

Electrical data & Mechanical data

Contacts	Contacts termination	Rated current	Voltage		Wire gauge / size		Part No.
			A/C	D/C	AWG	mm ²	
05 pins (4+PE)	PCB	16A	NC	63V	NC	NC	MB12FBLRF05ST-X

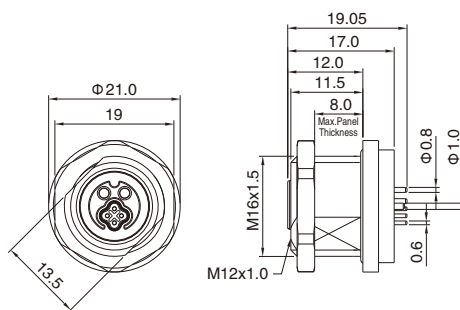
Note: X refers to Chasis-side thread size

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 Female Panel, PCB, Front fastened, Y1-coding, Shielded

- Connector series: M12
- Gender: Female
- Coding: Y1
- Locking type: Fix screw
- Mounting type: Straight
- Part No.: MB12FBSY106ST-2



General information



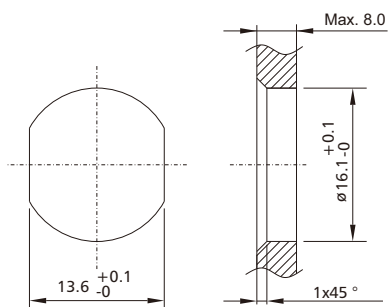
Standard:	IEC 61076-2-113
Ambient temperature:	-40°C ~ +80°C(fixed installation) -20°C ~ +80°C(flexible installation)
Connector insert:	PA+GF
Connector contacts:	Brass with gold plated
Connector overmold:	TPU
Connector nut/screw:	Brass with nickel plated
Seal / O-ring:	FKM

Insulation resistance:	$\geq 100\text{M}\Omega$
Contact resistance :	$\leq 10\text{m}\Omega$
Shielding:	Available
IP rating:	IP67 in locked condition
Mating endurance:	>500 cycles

Electrical data & Mechanical data

Contacts		Contacts termination	Rated current	Voltage		Part No.
				A/C	D/C	
06 pins		PCB	16A	50V	50V	MB12FBSY106ST-2

Panel Cut-out Dimensions

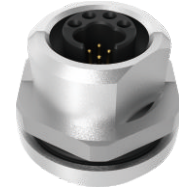
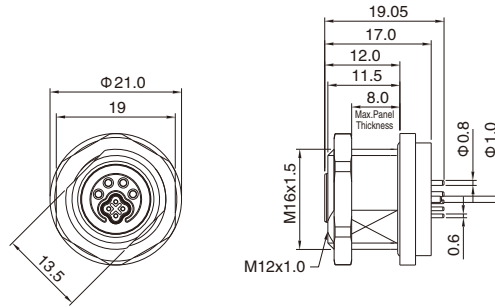


Remarks

- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm^2 .
- Please refer to Page 96 for products' part number encoding rule.

M12 Female Panel, PCB, Front fastened, Y2-coding, Shielded

- Connector series: M12
- Gender: Female
- Coding: Y2
- Locking type: Fix screw
- Mounting type: Straight
- Part No.: MB12FBSY208ST-2



General information



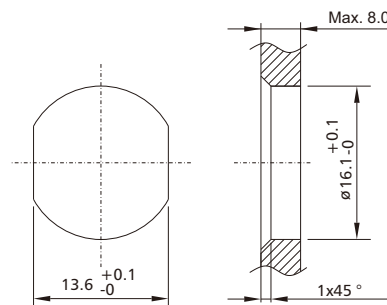
Standard:	IEC 61076-2-113
Ambient temperature:	-40°C ~ +80°C(fixed installation) -20°C ~ +80°C(flexible installation)
Connector insert:	PA+GF
Connector contacts:	Brass with gold plated
Connector overmold:	TPU
Connector nut/screw:	Brass with nickel plated
Seal / O-ring:	FKM

Insulation resistance:	$\geq 100\text{M}\Omega$
Contact resistance :	$\leq 10\text{m}\Omega$
Shielding:	Available
IP rating:	IP67 in locked condition
Mating endurance:	>500 cycles

Electrical data & Mechanical data

Contacts		Contacts termination	Rated current	Voltage		Part No.
				A/C	D/C	
08 pins		PCB	16A	50V	50V	MB12FBSY208ST-2

Panel Cut-out Dimensions

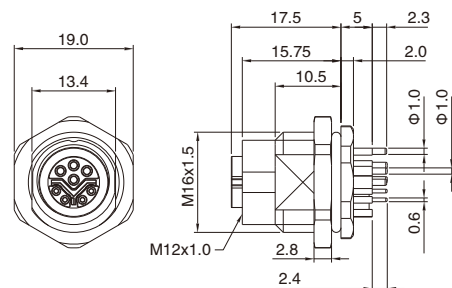


Remarks

- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm^2 .
- Please refer to Page 96 for products' part number encoding rule.

M12 Female Panel, PCB, Front fastened, Y3-coding, Shielded

- Connector series: M12
- Gender: Female
- Coding: Y3
- Locking type: Fix screw
- Mounting type: Straight
- Part No.: MB12FBSY306ST-2



General information



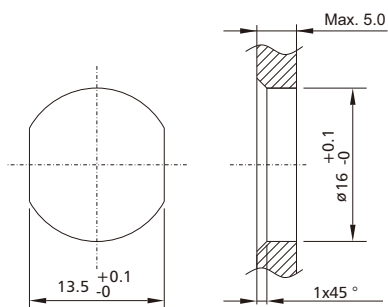
Standard:	IEC 61076-2-113
Ambient temperature:	-40°C ~ +80°C(fixed installation) -20°C ~ +80°C(flexible installation)
Connector insert:	TPU+GF
Connector contacts:	Brass with gold plated
Connector overmold:	TPU
Connector nut/screw:	Brass with nickel plated
Seal / O-ring:	FKM

Insulation resistance:	≥ 100MΩ
Contact resistance :	≤ 10mΩ
Shielding:	Available
IP rating:	IP67 in locked condition
Mating endurance:	>500 cycles

Electrical data & Mechanical data

Contacts	Contacts termination	Rated current	Voltage		Part No.
			A/C	D/C	
06 pins		PCB	16A	50V	50V
					MB12FBSY306ST-2

Panel Cut-out Dimensions

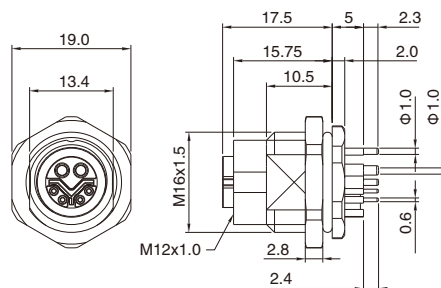


Remarks

- 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, PCB, Front fastened, Y4-coding, Shielded

- Connector series: M12
- Gender: Female
- Coding: Y4
- Locking type: Fix screw
- Mounting type: Straight
- Part No.: MB12FBY408ST-2



General information

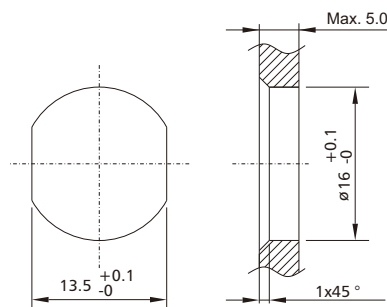
Standard:	IEC 61076-2-113
Ambient temperature:	-40℃ ~ +80℃(fixed installation) -20℃ ~ +80℃(flexible installation)
Connector insert:	TPU+GF
Connector contacts:	Brass with gold plated
Connector overmold:	TPU
Connector nut/screw:	Brass with nickel plated
Seal / O-ring:	FKM

Insulation resistance:	≥ 100MΩ
Contact resistance :	≤ 10mΩ
Shielding:	Available
IP rating:	IP67 in locked condition
Mating endurance:	>500 cycles

Electrical data & Mechanical data

Contacts		Contacts termination	Rated current	Voltage		Part No.
				A/C	D/C	
08 pins		PCB	16A	50V	50V	MB12FBSY408ST-2

Panel Cut-out Dimensions



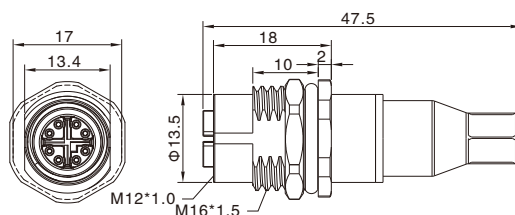
Remarks

- 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, Crimp, Front fastened, X-coding, Shielded

- Connector series: M12
- Gender: Female
- Coding: X
- Locking type: Fix screw
- Mounting type: Front fastened
- Part No.: MB12FCSXFF08ST-X

X refers to Chasis-side thread size



General information



Standard:	IEC 61076-2-109
Ambient temperature:	-40°C ~ +80°C(fixed installation) -20°C ~ +80°C(flexible installation)
Connector insert:	PA / TPU
Connector contacts:	Brass with gold plated
Connector nut/screw:	Brass with nickel plated
Seal / O-ring:	FKM

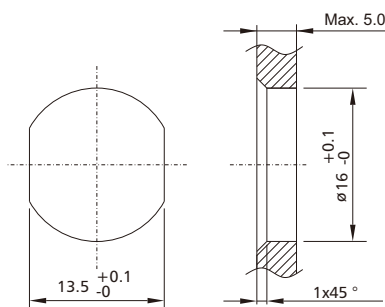
Insulation resistance:	≥ 100MΩ
Contact resistance :	≤ 10mΩ
Shielding:	Available
IP rating:	IP68 in locked condition
Transmission characteristic:	CAT6A / CAT7
Mating endurance:	>500 cycles

Electrical data & Mechanical data

Contacts	Rated current	Voltage		Wire gauge / size		Cable spec	Part No.
		A/C	D/C	AWG	mm ²		
08 pins	0.5A	50V	60V	27~24AWG	0.14~0.25	CAT6A/CAT7	MB12FCSXFF08ST-X

Note: X refers to Chasis-side thread size

Panel Cut-out Dimensions



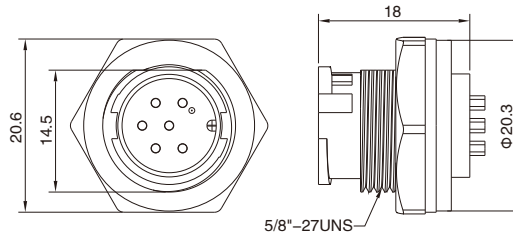
Remarks

- 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, Quick-lock Type

- Connector series: M12
- Gender: Male
- Locking type: Quick-lock
- Mounting type: Front fastened
- Part No.: MB12MSAFQ**ST

** refers to pins number



General information



Ambient temperature:	-25°C ~ +90°C
Connector insert:	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:	IP65, 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	MB12MSAFQ04ST
06 pins		Solder version	4A	60V	60V	22AWG	0.34	PVC wire or customized	MB12MSAFQ06ST

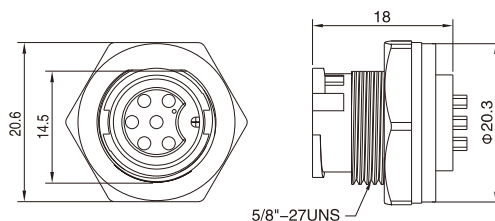
Remarks

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

M12 Female Panel Mount, Solder, Front fastened, Quick-lock Type

- Connector series: M12
- Gender: Female
- Locking type: Quick-lock
- Mounting type: Front fastened
- Part No.: MB12FSAFQ**ST

** refers to pins number



General information



Ambient temperature:	-25°C ~ +90°C
Connector insert:	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:	IP65, 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	MB12FSAFQ04ST
06 pins		Solder version	4A	60V	60V	22AWG	0.34	PVC wire or customized	MB12FSAFQ06ST

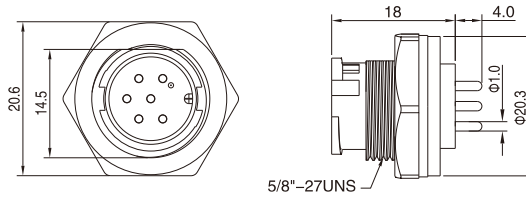
Remarks

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

M12 Male Panel Mount, PCB Type, Front fastened, Quick-lock Type

- Connector series: M12
- Gender: Male
- Locking type: Quick-lock
- Mounting type: Front fastened
- Part No.: MB12MBAFQ**ST

** refers to pins number



General information



Ambient temperature:	-25°C ~ +90°C
Connector insert:	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:	IP65, 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		Contacts termination	Rated current	Voltage		Part No.
				A/C	D/C	
04 pins		PCB version	4A	250V	250V	MB12MBAFQ04ST
06 pins		PCB version	4A	60V	60V	MB12MBAFQ06ST

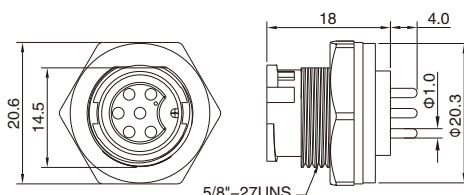
Remarks

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

M12 Female Panel Mount, PCB Type, Front fastened, Quick-lock Type

- Connector series: M12
- Gender: Female
- Locking type: Quick-lock
- Mounting type: Front fastened
- Part No.: MB12FBAFQ**ST

** refers to pins number



General information



Ambient temperature:	-25°C ~ +90°C
Connector insert:	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:	IP65, 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		Contacts termination	Rated current	Voltage		Part No.
				A/C	D/C	
04 pins		PCB version	4A	250V	250V	MB12FBAFQ04ST
06 pins		PCB version	4A	60V	60V	MB12FBAFQ06ST

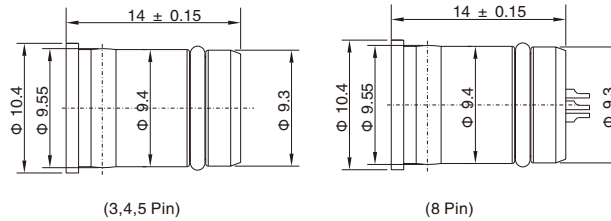
Remarks

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

M12 Male Plastic Housing with O-ring, Solder

- Connector series: M12
- Gender: Male
- Coding: A,B,D
- Locking type: Snap-in
- Mounting type: Straight
- Part No.: M12H-MS*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:	PA
Connector contacts:	Brass with gold plated
Seal / O-ring:	Epoxy resin/FKM

Insulation resistance:	≥ 100MΩ
Contact resistance :	≤ 5mΩ
Shielding:	Unavailable
IP rating:	IP67 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	D			A/C	D/C	AWG	mm ²	
03 pins				Solder version	4A	250V	250V	22AWG	0.34	M12H-MSA03 M12H-MSB03
04 pins				Solder version	4A	250V	250V	22AWG	0.34	M12H-MSA04 M12H-MSB04 M12H-MSD04
05 pins				Solder version	4A	60V	60V	22AWG	0.34	M12H-MSA05 M12H-MSB05
08 pins				Solder version	2A	30V	30V	24AWG	0.25	M12H-MSA08

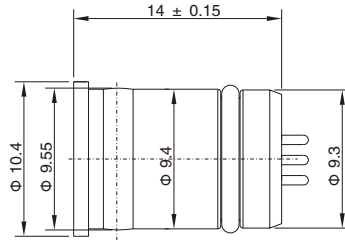
Remarks

- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm².

M12 Male Plastic Housing with O-ring, PCB Type

- Connector series: M12
- Gender: Male
- Coding: A,B,D
- Locking type: Snap-in
- Mounting type: Straight
- Part No.: M12H-MB*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: PA

Connector contacts: Brass with gold 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

Mating endurance: >500 cycles

Electrical data & Mechanical data

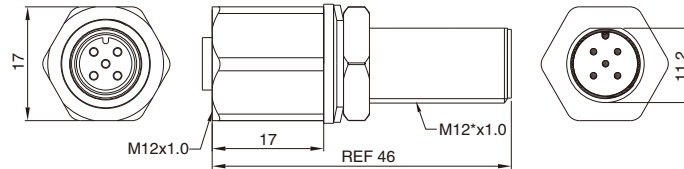
Contacts	Available Coding			Contacts termination	Rated current	Voltage		Part No.
	A	B	D			A/C	D/C	
03 pins				PCB version	4A	250V	250V	M12H-MBA03 M12H-MBB03
04 pins				PCB version	4A	250V	250V	M12H-MBA04 M12H-MBB04 M12H-MBD04
05 pins				PCB version	4A	60V	60V	M12H-MBA05 M12H-MBB05
08 pins				PCB version	2A	30V	30V	M12H-MBA08

Remarks

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

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℃ ~ +90℃
Connector insert:	PA+GF / TPU
Connector contacts:	Brass with gold plated
Connector nut/screw:	Brass with nickel plated
Seal / O-ring:	Epoxy resin/FKM

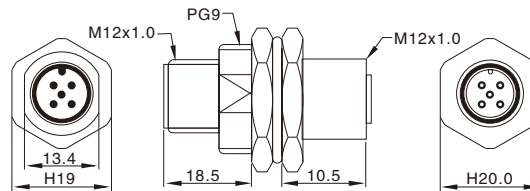
Insulation resistance:	≥ 100MΩ
Contact resistance :	≤ 5mΩ
Shielding:	Unavailable
IP rating:	IP68 in locked condition
Panel cut-out:	Refer to page 287
Mating endurance:	>500 cycles

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℃ ~ +90℃
Connector insert:	PA+GF / TPU
Connector contacts:	Brass with gold plated
Connector nut/screw:	Brass with nickel plated
Seal / O-ring:	Epoxy resin/FKM

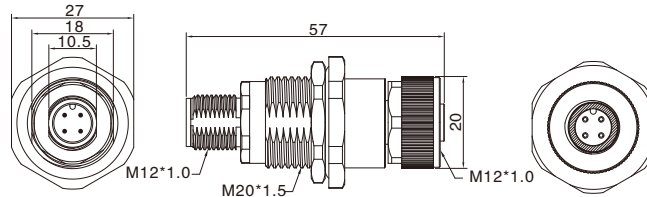
Insulation resistance:	≥ 100MΩ
Contact resistance :	≤ 5mΩ
Shielding:	Unavailable
IP rating:	IP68 in locked condition
Panel cut-out:	Refer to page 287
Mating endurance:	>500 cycles

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

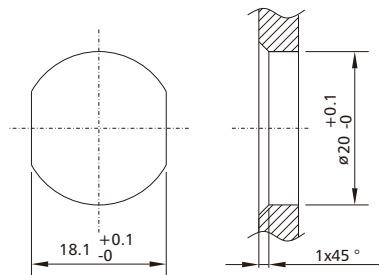
Standard:	IEC 61076-2-101
Ambient temperature:	-25°C ~ +90°C
Connector insert:	PA / TPU
Connector contacts:	Brass with gold plated
Connector nut/screw:	Brass with nickel plated
Seal / O-ring:	Epoxy resin/ FKM

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

Electrical data & Mechanical data

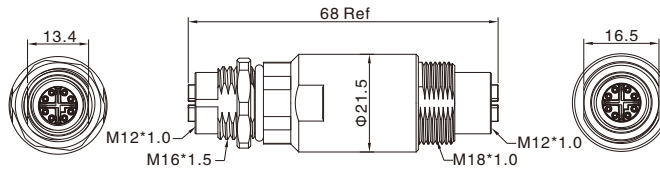
Contacts		Rated current	Voltage		Part No.
			A/C	D/C	
04 pins	Male Female	4A	250V	250V	MT-076
05 pins	Male Female	4A	60V	60V	MT-077

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

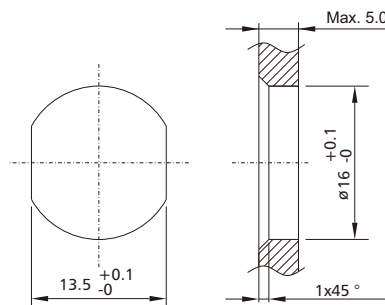
Standard:	IEC 61076-2-109
Ambient temperature:	-25°C ~ +90°C
Connector insert:	PA / TPU
Connector contacts:	Brass with gold plated
Connector nut/screw:	Brass with nickel plated
Seal / O-ring:	FKM

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

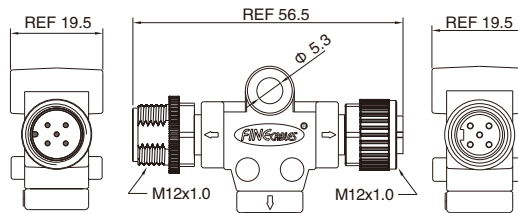
Panel Cut-out Dimensions



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℃~ + 80℃
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

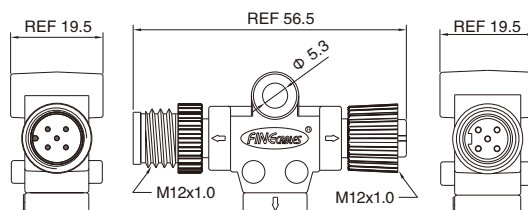
Electrical data & Mechanical data

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	 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℃~ + 80℃
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

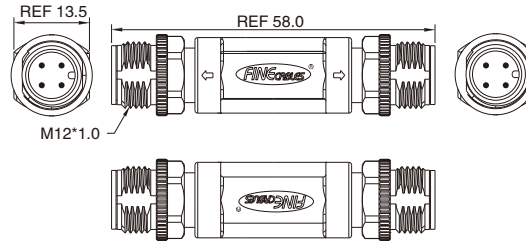
Electrical data & Mechanical data

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

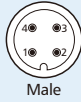
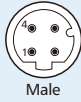
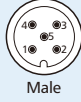


General information

Standard:	IEC 61076-2-101
Ambient temperature:	-20℃ ~ + 90℃
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

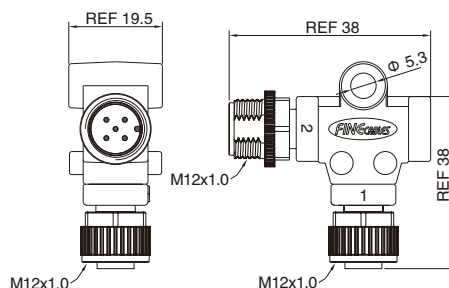
Electrical data & Mechanical data

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℃~ + 80℃
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

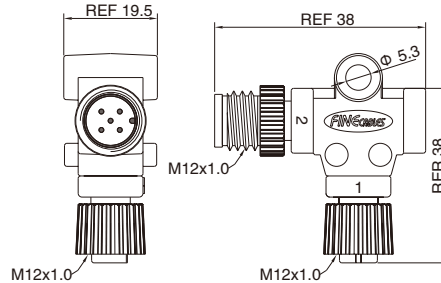
Electrical data & Mechanical data

Contacts	Available Coding			Rated current	Voltage		Part No.
	A	B	D		A/C	D/C	
03 pins	 Male	 Female		4A	250V	250V	ML-A03 ML-B03
04 pins	 Male	 Female	 Male	4A	250V	250V	ML-A04 ML-B04 ML-D04
05 pins	 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℃~ + 80℃
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

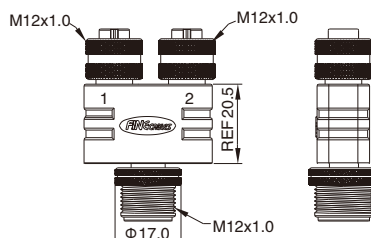
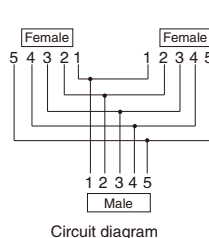
Electrical data & Mechanical data

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	 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℃ ~ + 80℃
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

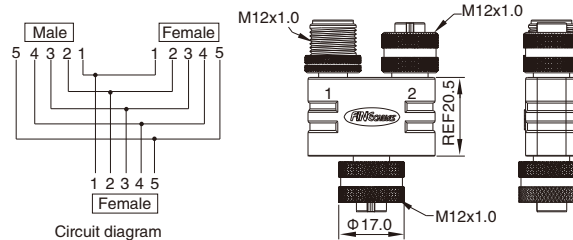
Electrical data & Mechanical data

Contacts	Available Coding			Rated current	Voltage		Part No.
	A	B	D		A/C	D/C	
03 pins	 Male Female	 Male Female		4A	250V	250V	MY1-A03 MY1-B03
04 pins	 Male Female	 Male Female	 Male Female	4A	250V	250V	MY1-A04 MY1-B04 MY1-D04
05 pins	 Male Female	 Male Female		4A	60V	60V	MY1-A05 MY1-B05
08 pins	 Male Female			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℃~ + 80℃
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

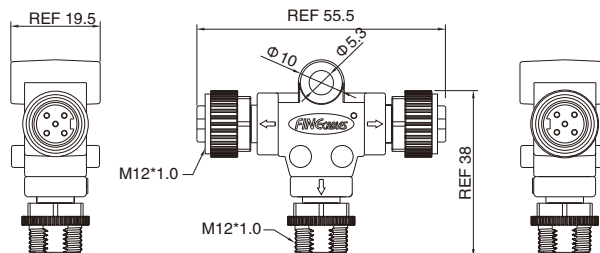
Electrical data & Mechanical data

Contacts	Available Coding			Rated current	Voltage		Part No.
	A	B	D		A/C	D/C	
03 pins	 Male Female	 Male Female		4A	250V	250V	MY2-A03 MY2-B03
04 pins	 Male Female	 Male Female	 Male Female	4A	250V	250V	MY2-A04 MY2-B04 MY2-D04
05 pins	 Male Female	 Male Female		4A	60V	60V	MY2-A05 MY2-B05
08 pins	 Male Female			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℃~ + 80℃
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		4A	250V	250V	MT-A03 MT-B03
04 pins	 Male	 Female	 Male	4A	250V	250V	MT-A04 MT-B04 MT-D04
05 pins	 Male	 Female		4A	60V	60V	MT-A05 MT-B05
08 pins	 Male	 Female		2A	30V	30V	MT-A08