

M12 CATALOGUE

CODE B



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Registration Number: 2021/104333/07

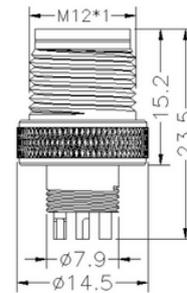
M12 Code-B CATALOGUE

M12 B code male moldable connector

PRODUCT PHOTO

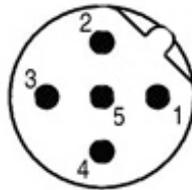


SCALE DRAWING



PIN ASSIGNMENT FRONT VIEW

B code 5pins



PART NUMBER

5 pins	B Code	12C087
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GENERAL INFORMATION

5 pins

Rated voltage	60V
Rated current(40°C)	4A
Standards/regulations	IEC 61076-2-101
Termination	Solder
Degree of protection	IP67, IP68, IP69K
Wire gauge (mm ²)	0.14mm ² -0.75mm ²
Wire gauge (AWG)	26AWG-18AWG
Mechanical operation	>100 mating cells
Contact resistance	≤5mΩ
Insulation resistance	≥100MΩ
Connector body material	TPU
Pin material	Brass with gold plated
Screw material	Brass with nickel plated
Ambient temperature (operation)	-25°C~+85°C
Environmental compliance	RoHs, Reach

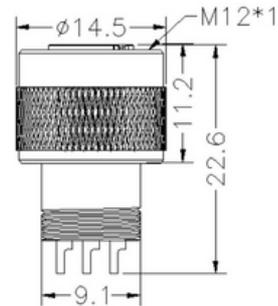
M12 Code-B CATALOGUE

M12 B code female moldable connector

PRODUCT PHOTO

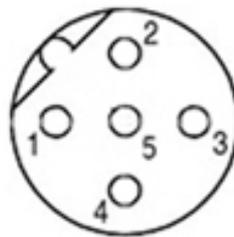


SCALE DRAWING



PIN ASSIGNMENT FRONT VIEW

B code 5pins



PART NUMBER

5 pins	B Code	12C088
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GENERAL INFORMATION

5 pins

Rated voltage	60V
Rated current(40°C)	4A
Standards/regulations	IEC 61076-2-101
Termination	Solder
Degree of protection	IP67, IP68, IP69K
Wire gauge (mm ²)	0.14mm ² -0.75mm ²
Wire gauge (AWG)	26AWG-18AWG
Mechanical operation	>100 mating cells
Contact resistance	≤5mΩ
Insulation resistance	≥100MΩ
Connector body material	TPU
Pin material	Phosphorus copper with gold plated
Screw material	Brass with nickel plated
Gasket material	Fluorine ring
Ambient temperature (operation)	-25°C~+85°C
Environmental compliance	RoHs, Reach

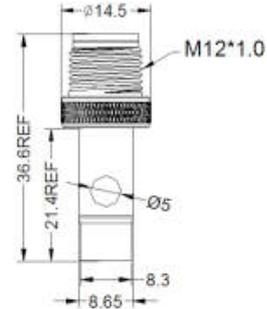
M12 Code-B CATALOGUE

M12 B code male moldable connector with shielded

PRODUCT PHOTO

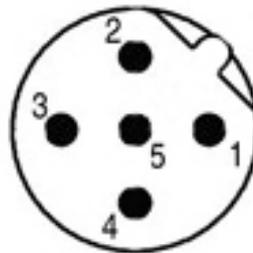


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PIN ASSIGNMENT FRONT VIEW

B code 5pins



PART NUMBER

5 pins	B Code	12C125
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GENERAL INFORMATION

GENERAL INFORMATION	5 pins
Rated voltage	60V
Rated current(40°C)	4A
Standards/regulations	IEC 61076-2-101
Termination	Solder
Degree of protection	IP67, IP68, IP69K
Wire gauge (mm ²)	0.14mm ² -0.75mm ²
Wire gauge (AWG)	26AWG-18AWG
Mechanical operation	>100 mating cells
Contact resistance	≤5mΩ
Insulation resistance	≥100MΩ
Connector body material	TPU
Pin material	Brass with gold plated
Screw material	Brass with nickel plated
Ambient temperature (operation)	-25°C~+85°C
Environmental compliance	RoHs, Reach

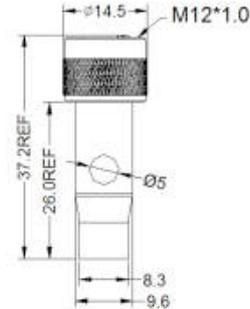
M12 Code-B CATALOGUE

M12 B code female moldable connector with shielded

PRODUCT PHOTO

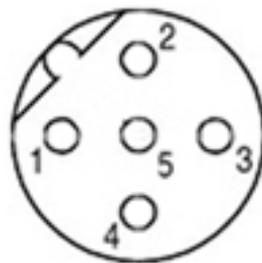


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PIN ASSIGNMENT FRONT VIEW

B code 5pins



PART NUMBER

5 pins	B Code	12C126
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GENERAL INFORMATION

5 pins

Rated voltage	60V
Rated current(40°C)	4A
Standards/regulations	IEC 61076-2-101
Termination	Solder
Degree of protection	IP67, IP68, IP69K
Wire gauge (mm ²)	0.14mm ² -0.75mm ²
Wire gauge (AWG)	26AWG-18AWG
Mechanical operation	>100 mating cells
Contact resistance	≤5mΩ
Insulation resistance	≥100MΩ
Connector body material	TPU
Pin material	Phosphorus copper with gold plated
Screw material	Brass with nickel plated
Gasket material	Fluorine ring
Ambient temperature (operation)	-25°C~+85°C
Environmental compliance	RoHs, Reach

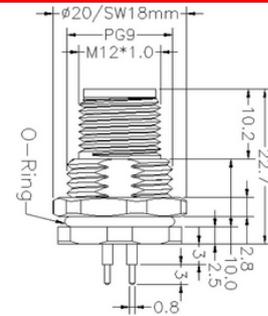
M12 Code-B CATALOGUE

M12 B code male straight front panel mount connector with solder PCB contact

PRODUCT PHOTO

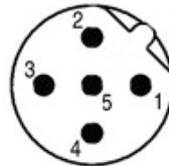


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PIN ASSIGNMENT FRONT VIEW

B Code 5 pins



PART NUMBERS

		PG9 thread 15.3±0.1		M16 thread 16±0.1
5 pins	B Code	12B041		12B045

GENERAL INFORMATION

5 pins

Rated voltage	60V
Rated current(40°C)	4A
Standards/regulations	IEC 61076-2-101
Termination	solder PCB
Degree of protection	IP67, IP68, IP69K
Mechanical operation	>100 mating cells
Contact resistance	≤5mΩ
Insulation resistance	≥100MΩ
Connector body material	TPU
Pin material	Brass with gold plated
Screw material	Brass with nickel plated
Gasket material	Fluorine ring
Environmental compliance	RoHs, Reach
Connector locking system	Screw

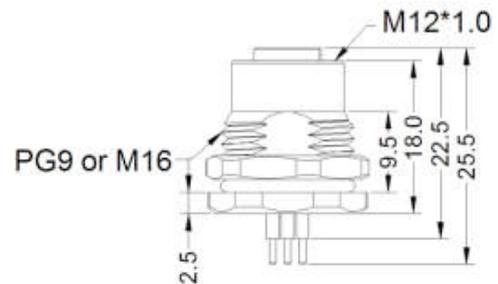
M12 Code-B CATALOGUE

M12 B code female straight front panel mount connector with solder PCB contact

PRODUCT PHOTO

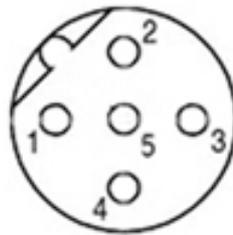


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PIN ASSIGNMENT FRONT VIEW

B Code 5 pins



PART NUMBERS

		PG9 thread 15.3±0.1	M16 thread 16±0.1
5 pins	B Code	12B043	12B047

GENERAL INFORMATION

5 pins

Rated voltage	60V
Rated current(40°C)	4A
Standards/regulations	IEC 61076-2-101
Termination	solder PCB
Degree of protection	IP67, IP68, IP69K
Mechanical operation	>100 mating cycles
Contact resistance	≤5mΩ
Insulation resistance	≥100MΩ
Connector body material	TPU
Pin material	Phosphorus copper with gold plated
Screw material	Brass with nickel plated
Gasket material	Fluorine ring
Environmental compliance	RoHs, Reach
Connector locking system	Screw

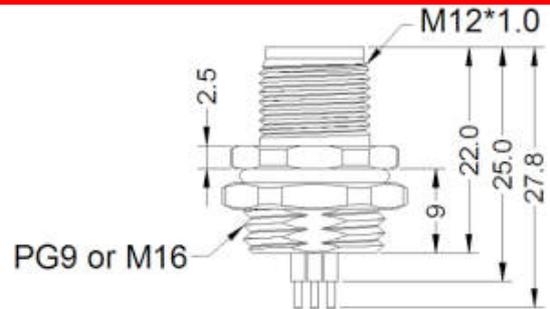
M12 Code-B CATALOGUE

M12 B code male straight rear panel mount connector with solder pcb contact

PRODUCT PHOTO

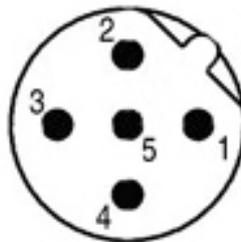


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PIN ASSIGNMENT FRONT VIEW

B Code 5 pins



PART NUMBERS

		PG9 thread 15.3±0.1		M16 thread 16±0.1
5 pins	B Code	12B042		12B046

GENERAL INFORMATION

5 pins

Rated voltage	60V
Rated current(40°C)	4A
Standards/regulations	IEC 61076-2-101
Termination	solder PCB
Degree of protection	IP67, IP68, IP69K
Mechanical operation	>100 mating cells
Contact resistance	≤5mΩ
Insulation resistance	≥100MΩ
Connector body material	TPU
Pin material	Brass with gold plated
Screw material	Brass with nickel plated
Gasket material	Fluorine ring
Environmental compliance	RoHs, Reach
Connector locking system	Screw

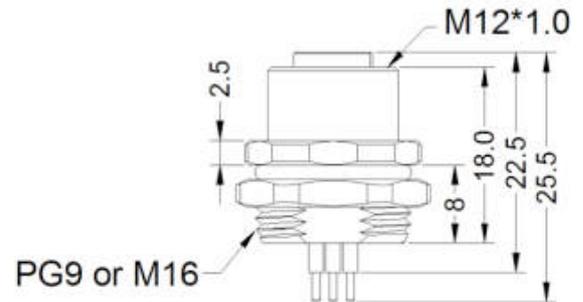
M12 Code-B CATALOGUE

M12 B code female straight rear panel mount connector with solder PCB contact

PRODUCT PHOTO

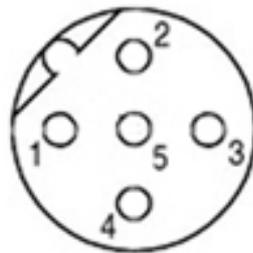


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PIN ASSIGNMENT FRONT VIEW

B Code 5 pins



PART NUMBERS

		PG9 thread 15.3±0.1		M16 thread 16±0.1
5 pins	B Code	12B044		12B048

GENERAL INFORMATION

5 pins

Rated voltage	60V
Rated current(40°C)	4A
Standards/regulations	IEC 61076-2-101
Termination	solder PCB
Degree of protection	IP67, IP68, IP69K
Mechanical operation	>100 mating cycles
Contact resistance	≤5mΩ
Insulation resistance	≥100MΩ
Connector body material	TPU
Pin material	Phosphorus copper with gold plated
Screw material	Brass with nickel plated
Gasket material	Fluorine ring
Environmental compliance	RoHs, Reach
Connector locking system	Screw

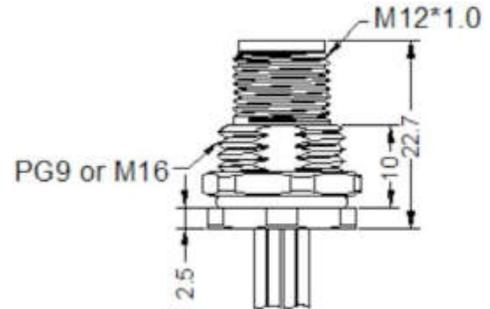
M12 Code-B CATALOGUE

M12 B code male straight front panel mount connector with wire

PRODUCT PHOTO

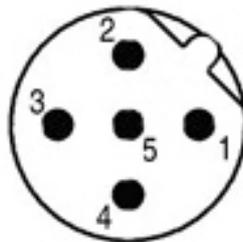


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PIN ASSIGNMENT FRONT VIEW

B Code 5 pins



PART NUMBERS

("X" is length millimetre mm)

		PG9 thread 15.3±0.1	M16 thread 16±0.1
5 pins	B Code	12D041-X	12D045-X

GENERAL INFORMATION

GENERAL INFORMATION	5 pins
Rated voltage	60V
Rated current(40°C)	4A
Standards/regulations	IEC 61076-2-101
Termination	solder
Degree of protection	IP67, IP68, IP69K
Mechanical operation	>100 mating cycles
Contact resistance	≤5mΩ
Insulation resistance	≥100MΩ
Connector body material	TPU
Pin material	Brass with gold plated
Screw material	Brass with nickel plated
Gasket material	Fluorine ring
Environmental compliance	RoHs, Reach
Connector locking system	Screw
Wire gauge(mm ²)	0.14mm ² -0.75mm ²
Wire gauge(AWG)	26AWG-18AWG

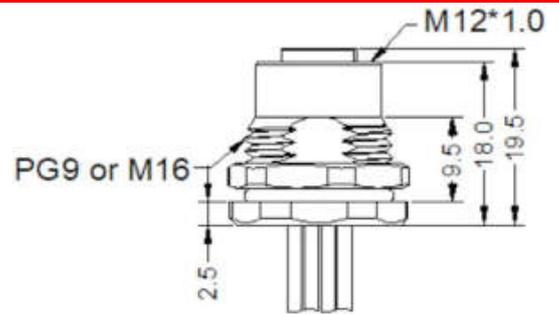
M12 Code-B CATALOGUE

M12 B code female straight front panel mount connector with wire

PRODUCT PHOTO

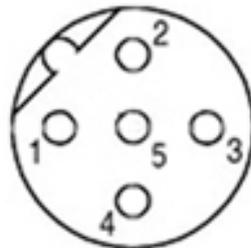


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PIN ASSIGNMENT FRONT VIEW

B Code 5 pins



PART NUMBERS

("X" is length millimetre mm)

		PG9 thread 15.3±0.1	M16 thread 16±0.1
5 pins	B Code	12D043-X	12D047-X

GENERAL INFORMATION

GENERAL INFORMATION	5 pins
Rated voltage	60V
Rated current(40°C)	4A
Standards/regulations	IEC 61076-2-101
Termination	solder
Degree of protection	IP67, IP68, IP69K
Mechanical operation	>100 mating cells
Contact resistance	≤5mΩ
Insulation resistance	≥100MΩ
Connector body material	TPU
Pin material	Phosphorus copper with gold plated
Screw material	Brass with nickel plated
Gasket material	Fluorine ring
Environmental compliance	RoHs, Reach
Connector locking system	Screw
Wire gauge(mm ²)	0.14mm ² -0.75mm ²
Wire gauge(AWG)	26AWG-18AWG

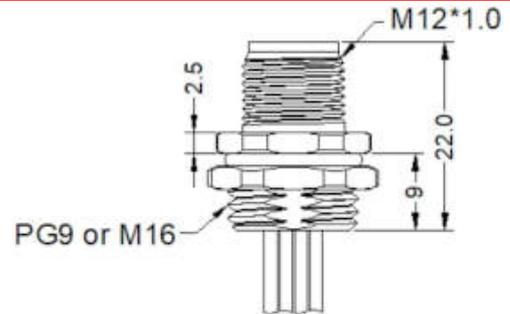
M12 Code-B CATALOGUE

M12 B code male straight rear panel mount connector with wire

PRODUCT PHOTO

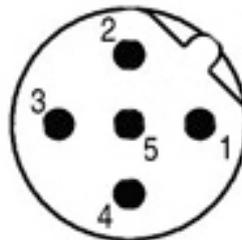


SCALE DRAWING



PIN ASSIGNMENT FRONT VIEW

B Code 5 pins



PART NUMBERS

("X" is length millimetre mm)

		PG9 thread 15.3±0.1	M16 thread 16±0.1
5 pins	B Code	12D042-X	12D046-X

GENERAL INFORMATION

GENERAL INFORMATION	5 pins
Rated voltage	60V
Rated current(40°C)	4A
Standards/regulations	IEC 61076-2-101
Termination	solder
Degree of protection	IP67, IP68, IP69K
Mechanical operation	>100 mating cycles
Contact resistance	≤5mΩ
Insulation resistance	≥100MΩ
Connector body material	TPU
Pin material	Brass with gold plated
Screw material	Brass with nickel plated
Gasket material	Fluorine ring
Environmental compliance	RoHs, Reach
Connector locking system	Screw
Wire gauge(mm ²)	0.14mm ² -0.75mm ²
Wire gauge(AWG)	26AWG-18AWG

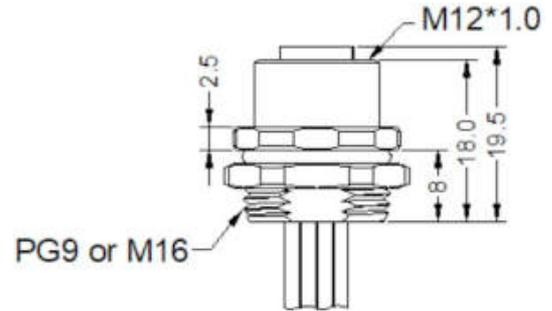
M12 Code-B CATALOGUE

M12 B code female straight rear panel mount connector with wire

PRODUCT PHOTO

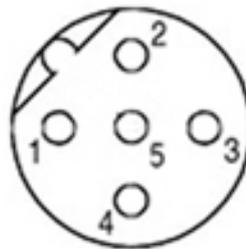


SCALE DRAWING



PIN ASSIGNMENT FRONT VIEW

B Code 5 pins



PART NUMBERS

("X" is length millimetre mm)

		PG9 thread 15.3±0.1	M16 thread 16±0.1
5 pins	B Code	12D044-X	12D048-X

GENERAL INFORMATION

GENERAL INFORMATION	5 pins
Rated voltage	60V
Rated current(40°C)	4A
Standards/regulations	IEC 61076-2-101
Termination	solder
Degree of protection	IP67, IP68, IP69K
Mechanical operation	>100 mating cycles
Contact resistance	≤5mΩ
Insulation resistance	≥100MΩ
Connector body material	TPU
Pin material	Phosphorus copper with gold plate
Screw material	Brass with nickel plated
Gasket material	Fluorine ring
Environmental compliance	RoHs, Reach
Connector locking system	Screw
Wire gauge(mm ²)	0.14mm ² -0.75mm ²
Wire gauge(AWG)	26AWG-18AWG

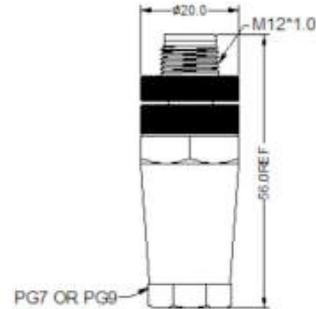
M12 Code-B CATALOGUE

M12 B code male straight plastic assembly connector

PRODUCT PHOTO

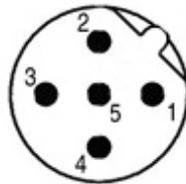


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PIN ASSIGNMENT FRONT VIEW

B Code 5 pins



PART NUMBERS

		PG7 thread	PG9 thread
5 pins	B Code	12ZU51-PG7	12ZU51-PG9

GENERAL INFORMATION

GENERAL INFORMATION	5 pins
Rated voltage	60V
Rated current(40°C)	4A
Standards/regulations	IEC 61076-2-101
Termination	screw clamp
Degree of protection	IP67
Wire gauge (mm ²)	0.14mm ² -0.75mm ²
Wire gauge (AWG)	26AWG-18AWG
Mechanical operation	>100 mating cells
Contact resistance	≤5mΩ
Insulation resistance	≥100MΩ
Connector body material	TPU
Pin material	Brass with gold plated
Screw material	Brass with nickel plated
Gasket material	Fluorine ring
Environmental compliance	RoHS, Reach
Suitable cable outer diameter	4.0mm-8.0mm
PG7: Cable diameter 4mm~6mm	PG9: Cable diameter 6mm~8mm
Ambient temperature (operation)	-25°C~+85°C

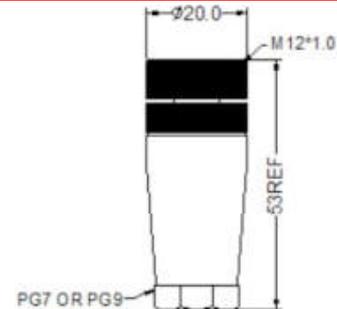
M12 Code-B CATALOGUE

M12 B code female straight plastic assembly connector

PRODUCT PHOTO

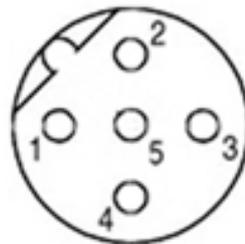


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PIN ASSIGNMENT FRONT VIEW

B Code 5 pins



PART NUMBERS

		PG7 thread	PG9 thread
5 pins	B Code	12ZU52-PG7	12ZU52-PG9

GENERAL INFORMATION

GENERAL INFORMATION	5 pins
Rated voltage	60V
Rated current(40°C)	4A
Standards/regulations	IEC 61076-2-101
Termination	screw clamp
Degree of protection	IP67
Wire gauge (mm ²)	0.14mm ² -0.75mm ²
Wire gauge (AWG)	26AWG-18AWG
Mechanical operation	>100 mating cells
Contact resistance	≤5mΩ
Insulation resistance	≥100MΩ
Connector body material	TPU
Pin material	Phosphorus copper with gold plated
Screw material	Brass with nickel plated
Gasket material	Fluorine ring
Environmental compliance	RoHS, Reach
Suitable cable outer diameter	4.0mm-8.0mm
PG7: Cable diameter 4mm~6mm	PG9: Cable diameter 6mm~8mm
Ambient temperature (operation)	-25°C~+85°C

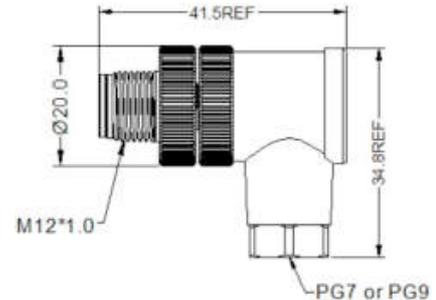
M12 Code-B CATALOGUE

M12 B code male right angle plastic assembly connector

PRODUCT PHOTO

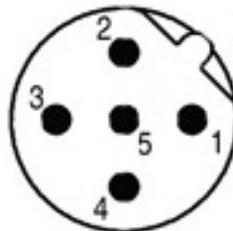


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PIN ASSIGNMENT FRONT VIEW

B Code 5 pins



PART NUMBERS

		PG7 thread	PG9 thread
5 pins	B Code	12ZU53-PG7	12ZU53-PG9

GENERAL INFORMATION

GENERAL INFORMATION	5 pins
Rated voltage	60V
Rated current(40°C)	4A
Standards/regulations	IEC 61076-2-101
Termination	screw clamp
Degree of protection	IP67
Wire gauge (mm ²)	0.14mm ² -0.75mm ²
Wire gauge (AWG)	26AWG-18AWG
Mechanical operation	>100 mating cells
Contact resistance	≤5mΩ
Insulation resistance	≥100MΩ
Connector body material	TPU
Pin material	Brass with gold plated
Screw material	Brass with nickel plated
Gasket material	Fluorine ring
Environmental compliance	RoHS, Reach
Suitable cable outer diameter	4.0mm-8.0mm
PG7: Cable diameter 4mm~6mm	PG9: Cable diameter 6mm~8mm
Ambient temperature (operation)	-25°C~+85°C

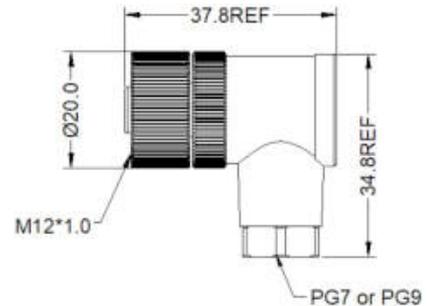
M12 Code-B CATALOGUE

M12 B code female right angle plastic assembly connector

PRODUCT PHOTO

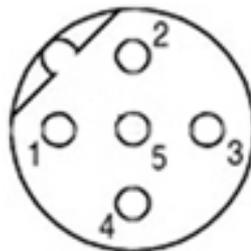


SCALE DRAWING



PIN ASSIGNMENT FRONT VIEW

B Code 5 pins



PART NUMBERS

		PG7 thread	PG9 thread
5 pins	B Code	12ZU54-PG7	12ZU54-PG9

GENERAL INFORMATION

GENERAL INFORMATION	5 pins
Rated voltage	60V
Rated current(40°C)	4A
Standards/regulations	IEC 61076-2-101
Termination	screw clamp
Degree of protection	IP67
Wire gauge (mm ²)	0.14mm ² -0.75mm ²
Wire gauge (AWG)	26AWG-18AWG
Mechanical operation	>100 mating cells
Contact resistance	≤5mΩ
Insulation resistance	≥100MΩ
Connector body material	TPU
Pin material	Phosphorus copper with gold plated
Screw material	Brass with nickel plated
Gasket material	Fluorine ring
Environmental compliance	RoHS, Reach
Suitable cable outer diameter	4.0mm-8.0mm
PG7: Cable diameter 4mm~6mm	PG9: Cable diameter 6mm~8mm
Ambient temperature (operation)	-25°C~+85°C

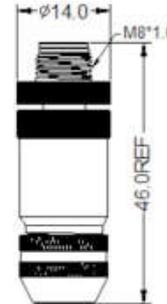
M12 Code-B CATALOGUE

M12 B code male straight metal assembly connector with shielded

PRODUCT PHOTO

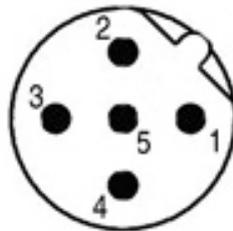


SCALE DRAWING



PIN ASSIGNMENT FRONT VIEW

B Code 5 pins



PART NUMBERS

		PG7 thread	PG9 thread
5 pins	B Code	12ZS55-PG7	12ZS55-PG9

GENERAL INFORMATION

GENERAL INFORMATION	5 pins
Rated voltage	60V
Rated current(40°C)	4A
Standards/regulations	IEC 61076-2-101
Termination	screw clamp
Degree of protection	IP67
Wire gauge (mm ²)	0.14mm ² -0.75mm ²
Wire gauge (AWG)	26AWG-18AWG
Mechanical operation	>100 mating cells
Contact resistance	≤5mΩ
Insulation resistance	≥100MΩ
Connector body material	TPU
Pin material	Brass with gold plated
Screw material	Brass with nickel plated
Gasket material	Fluorine ring
Environmental compliance	RoHS, Reach
Suitable cable outer diameter	4.0mm-8.0mm
PG7: Cable diameter 4mm~6mm	PG9: Cable diameter 6mm~8mm
Ambient temperature (operation)	-25°C~+85°C

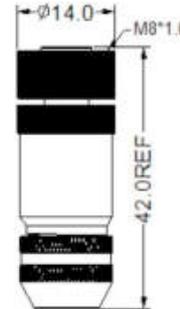
M12 Code-B CATALOGUE

M12 B code female straight metal assembly connector with shielded

PRODUCT PHOTO

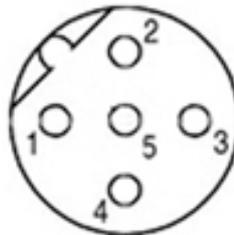


SCALE DRAWING



PIN ASSIGNMENT FRONT VIEW

B Code 5 pins



PART NUMBERS

		PG7 thread		PG9 thread
5 pins	B Code	12ZS56-PG7		12ZS56-PG9

GENERAL INFORMATION

	5 pins
Rated voltage	60V
Rated current(40°C)	4A
Standards/regulations	IEC 61076-2-101
Termination	screw clamp
Degree of protection	IP67
Wire gauge (mm ²)	0.14mm ² -0.75mm ²
Wire gauge (AWG)	26AWG-18AWG
Mechanical operation	>100 mating cells
Contact resistance	≤5mΩ
Insulation resistance	≥100MΩ
Connector body material	TPU
Pin material	Phosphorus copper with gold plated
Screw material	Brass with nickel plated
Gasket material	Fluorine ring
Environmental compliance	RoHS, Reach
Suitable cable outer diameter	4.0mm-8.0mm
PG7: Cable diameter 4mm~6mm	PG9: Cable diameter 6mm~8mm
Ambient temperature (operation)	-25°C~+85°C

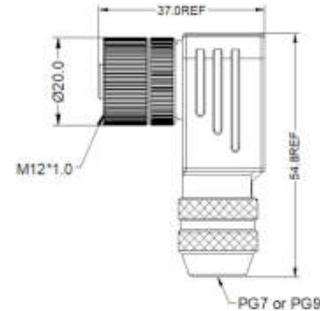
M12 Code-B CATALOGUE

M12 B code female right angle metal assembly connector with shielded

PRODUCT PHOTO

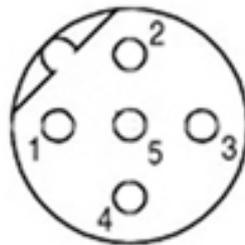


SCALE DRAWING



PIN ASSIGNMENT FRONT VIEW

B Code 5 pins



PART NUMBERS

		PG7 thread	PG9 thread
5 pins	B Code	12ZS58-PG7	12ZS58-PG9

GENERAL INFORMATION

GENERAL INFORMATION	5 pins
Rated voltage	60V
Rated current(40°C)	4A
Standards/regulations	IEC 61076-2-101
Termination	screw clamp
Degree of protection	IP67
Wire gauge (mm ²)	0.14mm ² -0.75mm ²
Wire gauge (AWG)	26AWG-18AWG
Mechanical operation	>100 mating cells
Contact resistance	≤5mΩ
Insulation resistance	≥100MΩ
Connector body material	TPU
Pin material	Phosphorus copper with gold plated
Screw material	Brass with nickel plated
Gasket material	Fluorine ring
Environmental compliance	RoHS, Reach
Suitable cable outer diameter	4.0mm-8.0mm
PG7: Cable diameter 4mm~6mm	PG9: Cable diameter 6mm~8mm
Ambient temperature (operation)	-25°C~+85°C

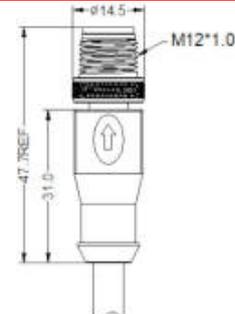
M12 Code-B CATALOGUE

M12 B code male straight moulded cable, unshielded

PRODUCT PHOTO

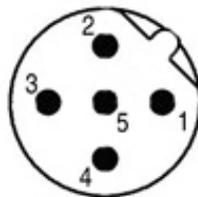


SCALE DRAWING



PIN ASSIGNMENT FRONT VIEW

B Code 5 pins



PART NUMBERS

Part number("X" is length millimetre mm)

		PVC		PUR	
		-10°C~+80°C	-40°C~+105°C	-10°C~+80°C	-40°C~+105°C
5 pins	B Code	12L161-X	12L169-X	12L177-X	12L185-X

GENERAL INFORMATION

5 pins

Rated voltage	60V
Rated current(40°C)	4A
Standards/regulations	IEC 61076-2-101
Termination	Solder and over mold
Degree of protection	IP67, IP68, IP69K
Wire gauge (mm ²)	0.14mm ² -0.75mm ²
Wire gauge (AWG)	26AWG - 18AWG
Mechanical operation	>100 mating cells
Contact resistance	≤5mΩ
Insulation resistance	≥100MΩ
Connector body material	TPU
Pin material	Brass with gold plated
Screw material	Brass with nickel plated
Environmental compliance	RoHs, Reach

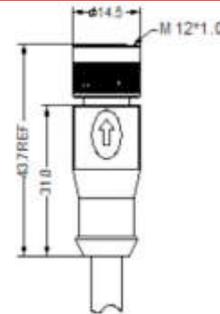
M12 Code-B CATALOGUE

M12 B code female straight moulded cable, unshielded

PRODUCT PHOTO

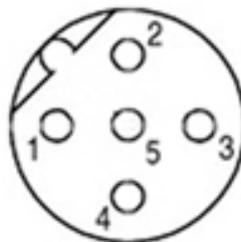


SCALE DRAWING



PIN ASSIGNMENT FRONT VIEW

B Code 5 pins



PART NUMBERS

Part number("X" is length millimetre mm)

		PVC		PUR	
		-10°C~+80°C	-40°C~+105°C	-10°C~+80°C	-40°C~+105°C
5 pins	B Code	12L162-X	12L170-X	12L178-X	12L186-X

GENERAL INFORMATION

5 pins

Rated voltage	60V
Rated current(40°C)	4A
Standards/regulations	IEC 61076-2-101
Termination	Solder and over mold
Degree of protection	IP67, IP68, IP69K
Wire gauge (mm ²)	0.14mm ² -0.75mm ²
Wire gauge (AWG)	26AWG - 18AWG
Mechanical operation	>100 mating cells
Contact resistance	≤5mΩ
Insulation resistance	≥100MΩ
Connector body material	TPU
Pin material	Phosphorus copper with gold plated
Screw material	Brass with nickel plated
Environmental compliance	RoHs, Reach

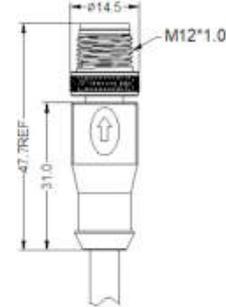
M12 Code-B CATALOGUE

M12 B code male straight molded cable

PRODUCT PHOTO

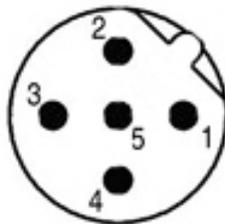


SCALE DRAWING



PIN ASSIGNMENT FRONT VIEW

B Code 5 pins



PART NUMBERS

Part number("X" is length millimetre mm)

		PVC		PUR	
		-10°C~+80°C	-40°C~+105°C	-10°C~+80°C	-40°C~+105°C
5 pins	B Code	12L165-X	12L173-X	12L181-X	12L189-X

GENERAL INFORMATION

5 pins

Rated voltage	60V
Rated current(40°C)	4A
Standards/regulations	IEC 61076-2-101
Termination	Solder and over mold
Degree of protection	IP67, IP68, IP69K
Wire gauge (mm ²)	0.14mm ² -0.75mm ²
Wire gauge (AWG)	26AWG - 18AWG
Mechanical operation	>100 mating cells
Contact resistance	≤5mΩ
Insulation resistance	≥100MΩ
Connector body material	TPU
Pin material	Brass with gold plated
Screw material	Brass with nickel plated
Environmental compliance	RoHs, Reach

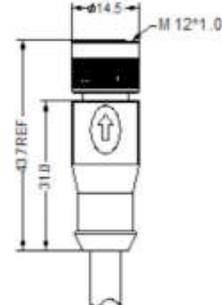
M12 Code-B CATALOGUE

M12 B code female straight molded cable, shielded

PRODUCT PHOTO

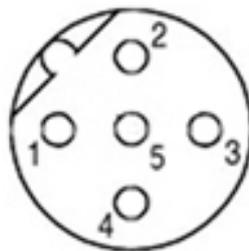


SCALE DRAWING



PIN ASSIGNMENT FRONT VIEW

B Code 5 pins



PART NUMBERS

Part number("X" is length millimetre mm)

		PVC		PUR	
		-10°C~+80°C	-40°C~+105°C	-10°C~+80°C	-40°C~+105°C
5 pins	B Code	12L166-X	12L174-X	12L182-X	12L190-X

GENERAL INFORMATION

5 pins

Rated voltage	60V
Rated current(40°C)	4A
Standards/regulations	IEC 61076-2-101
Termination	Solder and over mold
Degree of protection	IP67, IP68, IP69K
Wire gauge (mm ²)	0.14mm ² -0.75mm ²
Wire gauge (AWG)	26AWG - 18AWG
Mechanical operation	>100 mating cells
Contact resistance	≤5mΩ
Insulation resistance	≥100MΩ
Connector body material	TPU
Pin material	Phosphorus copper with gold plated
Screw material	Brass with nickel plated
Environmental compliance	RoHs, Reach

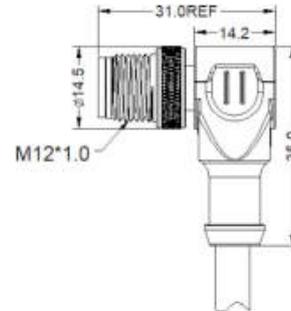
M12 Code-B CATALOGUE

M12 B code male right angle molded cable, unshielded

PRODUCT PHOTO

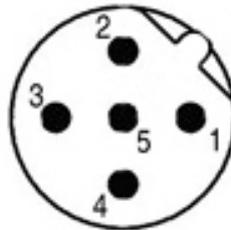


SCALE DRAWING



PIN ASSIGNMENT FRONT VIEW

B Code 5 pins



PART NUMBERS

Part number("X" is length millimetre mm)

		PVC		PUR	
		-10°C~+80°C	-40°C~+105°C	-10°C~+80°C	-40°C~+105°C
5 pins	B Code	12L163-X	12L171-X	12L179-X	12L187-X

GENERAL INFORMATION

5 pins

Rated voltage	60V
Rated current(40°C)	4A
Standards/regulations	IEC 61076-2-101
Termination	Solder and over mold
Degree of protection	IP67, IP68, IP69K
Wire gauge (mm ²)	0.14mm ² -0.75mm ²
Wire gauge (AWG)	26AWG - 18AWG
Mechanical operation	>100 mating cells
Contact resistance	≤5mΩ
Insulation resistance	≥100MΩ
Connector body material	TPU
Pin material	Brass with gold plated
Screw material	Brass with nickel plated
Environmental compliance	RoHs, Reach

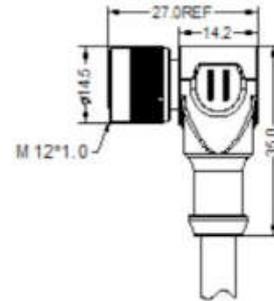
M12 Code-B CATALOGUE

M12 B code male right angle molded cable, unshielded

PRODUCT PHOTO

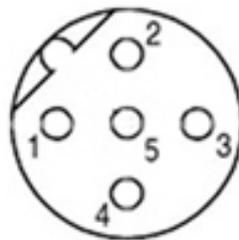


SCALE DRAWING



PIN ASSIGNMENT FRONT VIEW

B Code 5 pins



PART NUMBERS

Part number("X" is length millimetre mm)

		PVC		PUR	
		-10°C~+80°C	-40°C~+105°C	-10°C~+80°C	-40°C~+105°C
5 pins	B Code	12L164-X	12L172-X	12L180-X	12L188-X

GENERAL INFORMATION

5 pins

Rated voltage	60V
Rated current(40°C)	4A
Standards/regulations	IEC 61076-2-101
Termination	Solder and over mold
Degree of protection	IP67, IP68, IP69K
Wire gauge (mm ²)	0.14mm ² -0.75mm ²
Wire gauge (AWG)	26AWG - 18AWG
Mechanical operation	>100 mating cells
Contact resistance	≤5mΩ
Insulation resistance	≥100MΩ
Connector body material	TPU
Pin material	Phosphorus copper with gold plated
Screw material	Brass with nickel plated
Environmental compliance	RoHs, Reach

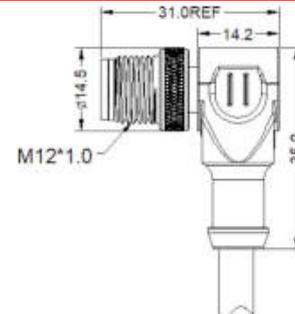
M12 Code-B CATALOGUE

M12 B code male right angle molded cable, shielded

PRODUCT PHOTO

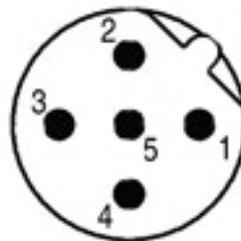


SCALE DRAWING



PIN ASSIGNMENT FRONT VIEW

B Code 5 pins



PART NUMBERS

Part number("X" is length millimetre mm)

		PVC		PUR	
		-10°C~+80°C	-40°C~+105°C	-10°C~+80°C	-40°C~+105°C
5 pins	B Code	12L167-X	12L175-X	12L183-X	12L191

GENERAL INFORMATION

5 pins

Rated voltage	60V
Rated current(40°C)	4A
Standards/regulations	IEC 61076-2-101
Termination	Solder and over mold
Degree of protection	IP67, IP68, IP69K
Wire gauge (mm ²)	0.14mm ² -0.75mm ²
Wire gauge (AWG)	26AWG - 18AWG
Mechanical operation	>100 mating cells
Contact resistance	≤5mΩ
Insulation resistance	≥100MΩ
Connector body material	TPU
Pin material	Brass with gold plated
Screw material	Brass with nickel plated
Environmental compliance	RoHs, Reach

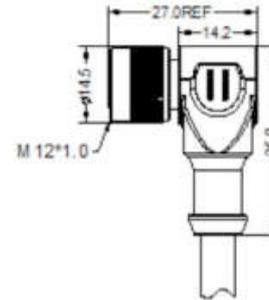
M12 Code-B CATALOGUE

M12 B code female right angle molded cable, shielded

PRODUCT PHOTO

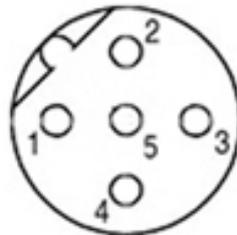


SCALE DRAWING



PIN ASSIGNMENT FRONT VIEW

B Code 5 pins



PART NUMBERS

Part number("X" is length millimetre mm)

		PVC		PUR	
		-10°C~+80°C	-40°C~+105°C	-10°C~+80°C	-40°C~+105°C
5 pins	B Code	12L168-X	12L176-X	12L184-X	12L192-X

GENERAL INFORMATION

5 pins

Rated voltage	60V
Rated current(40°C)	4A
Standards/regulations	IEC 61076-2-101
Termination	Solder and over mold
Degree of protection	IP67, IP68, IP69K
Wire gauge (mm ²)	0.14mm ² -0.75mm ²
Wire gauge (AWG)	26AWG - 18AWG
Mechanical operation	>100 mating cells
Contact resistance	≤5mΩ
Insulation resistance	≥100MΩ
Connector body material	TPU
Pin material	Phosphorus copper with gold plated
Screw material	Brass with nickel plated
Environmental compliance	RoHs, Reach