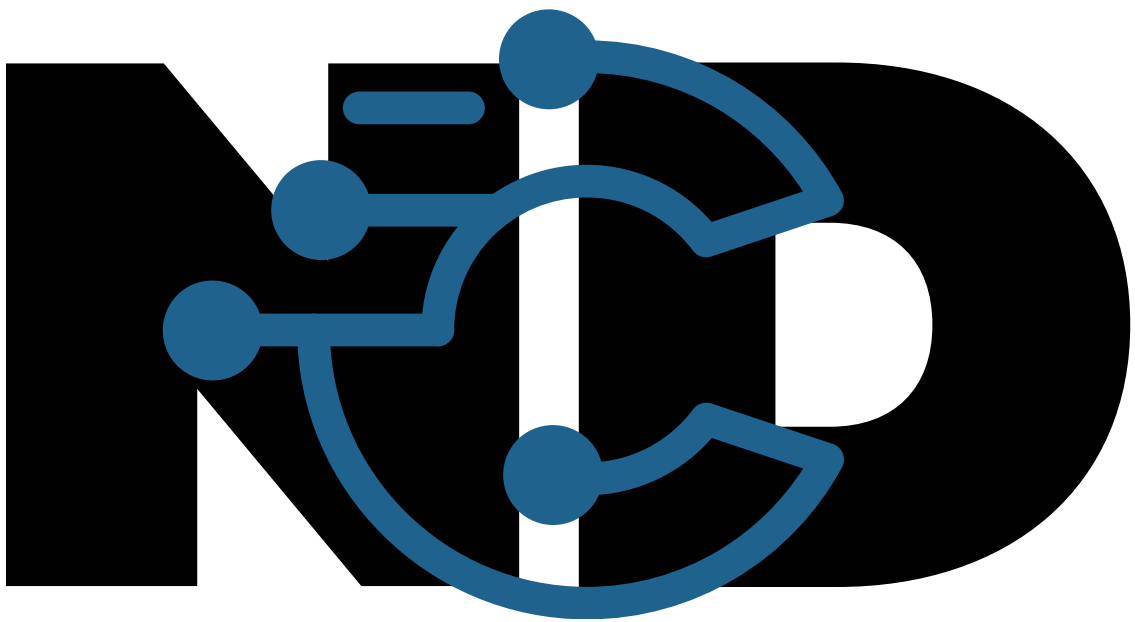


# M12 CATALOGUE

CODE B



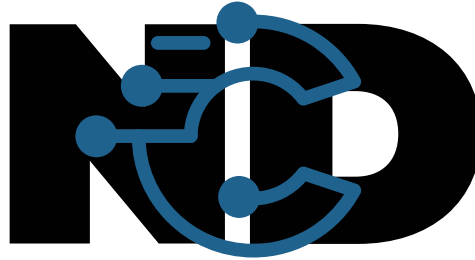
**NATIONAL CABLE DISTRIBUTION**

+27 79 845 1843

[sales@nationalcabledistribution.co.za](mailto:sales@nationalcabledistribution.co.za)

VAT Number : 4400315752

Registration Number- 2015/325662/07



NATIONAL CABLE DISTRIBUTION

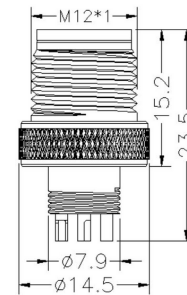
# M12 Code-B CATALOGUE

## M12 B code male moldable connector

### PRODUCT PHOTO

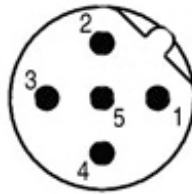


### SCALE DRAWING



### PIN ASSIGNMENT FRONT VIEW

B code 5pins

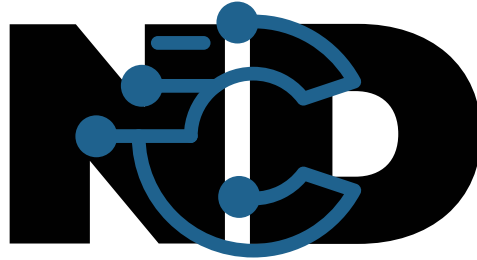


### PART NUMBER

5 pins	B Code	12C087
--------	--------	--------

### 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 <sup>2</sup> )	0.14mm <sup>2</sup> -0.75mm <sup>2</sup>
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



NATIONAL CABLE DISTRIBUTION

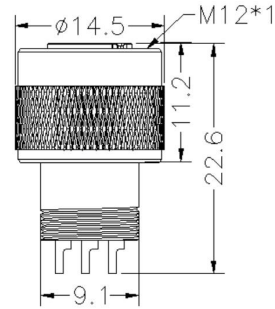
# M12 Code-B CATALOGUE

## M12 B code female moldable connector

### PRODUCT PHOTO

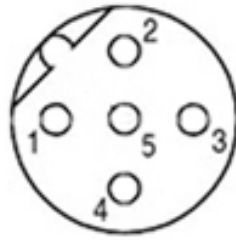


### SCALE DRAWING



### PIN ASSIGNMENT FRONT VIEW

B code 5pins



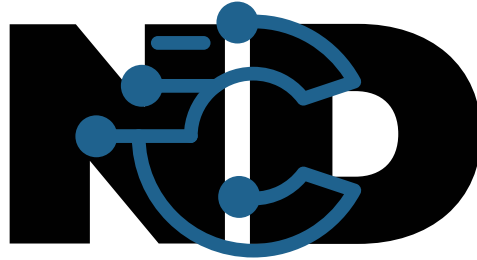
### PART NUMBER

5 pins	B Code	12C088
--------	--------	--------

### 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 <sup>2</sup> )	0.14mm <sup>2</sup> -0.75mm <sup>2</sup>
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



NATIONAL CABLE DISTRIBUTION

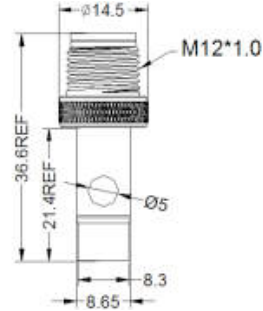
# M12 Code-B CATALOGUE

## M12 B code male moldable connector with shielded

### PRODUCT PHOTO

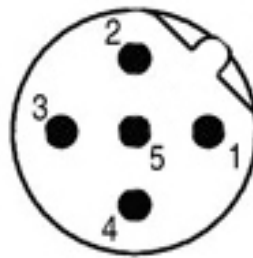


### SCALE DRAWING



### PIN ASSIGNMENT FRONT VIEW

B code 5pins

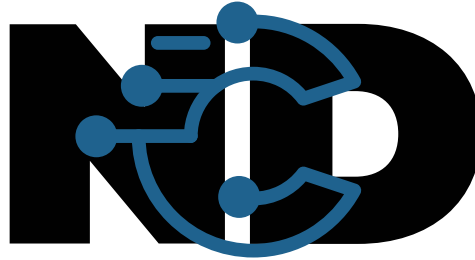


### PART NUMBER

5 pins	B Code	12C125
--------	--------	--------

### 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 <sup>2</sup> )	0.14mm <sup>2</sup> -0.75mm <sup>2</sup>
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



NATIONAL CABLE DISTRIBUTION

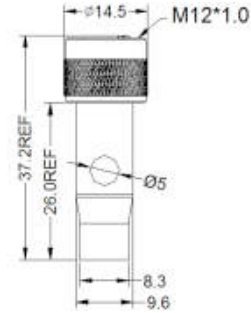
# M12 Code-B CATALOGUE

## M12 B code female moldable connector with shielded

### PRODUCT PHOTO

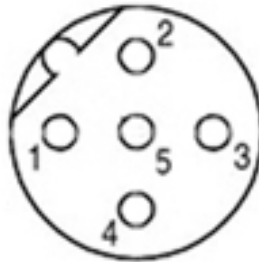


### SCALE DRAWING



### PIN ASSIGNMENT FRONT VIEW

B code 5pins

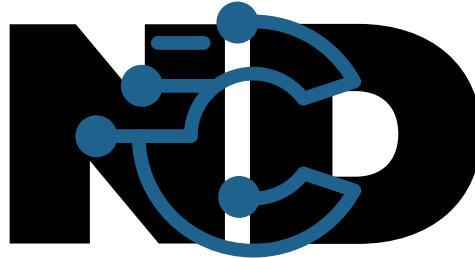


### PART NUMBER

5 pins	B Code	12C126
--------	--------	--------

### 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 <sup>2</sup> )	0.14mm <sup>2</sup> -0.75mm <sup>2</sup>
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



NATIONAL CABLE DISTRIBUTION

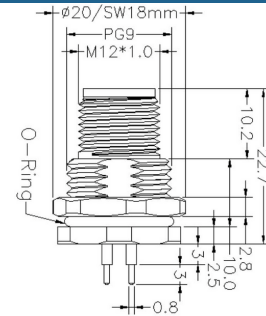
# M12 Code-B CATALOGUE

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

## PRODUCT PHOTO

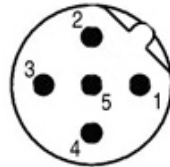


## SCALE DRAWING



## PIN ASSIGNMENT FRONT VIEW

B Code 5 pins



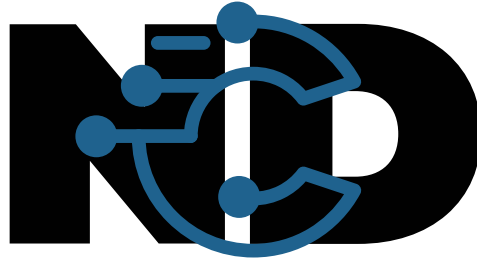
## PART NUMBERS

		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



NATIONAL CABLE DISTRIBUTION

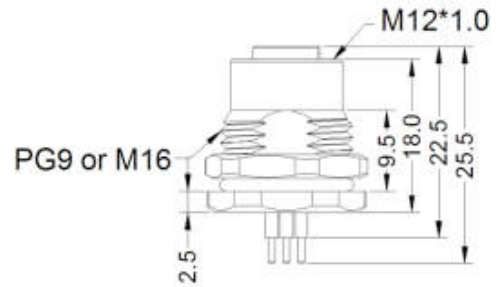
# M12 Code-B CATALOGUE

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

## PRODUCT PHOTO



## SCALE DRAWING



## PIN ASSIGNMENT FRONT VIEW

B Code 5 pins

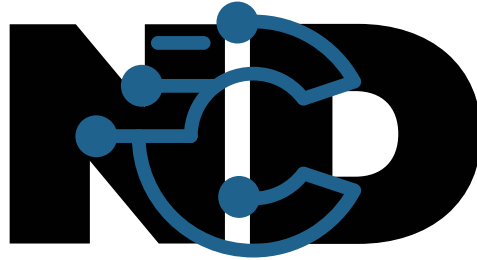


## PART NUMBERS

		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



NATIONAL CABLE DISTRIBUTION

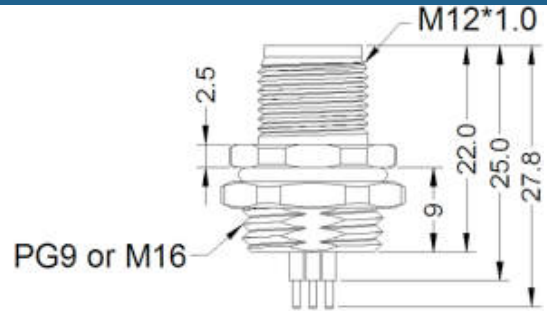
# M12 Code-B CATALOGUE

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

## PRODUCT PHOTO

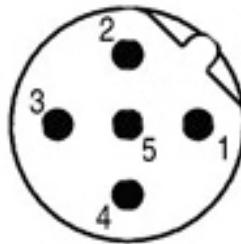


## SCALE DRAWING



## PIN ASSIGNMENT FRONT VIEW

B Code 5 pins



## PART NUMBERS

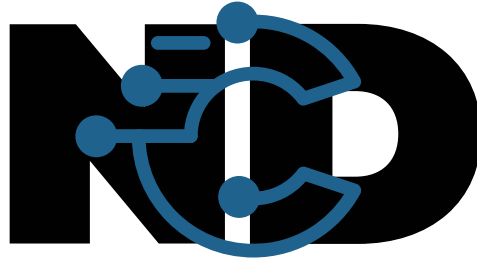
		PG9 thread 15.3±0.1		M16 thread 16±0.1
5 pins	B Code	12B042		12B046

## 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





NATIONAL CABLE DISTRIBUTION

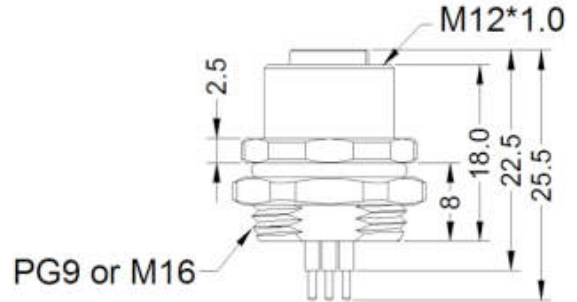
# M12 Code-B CATALOGUE

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

## PRODUCT PHOTO

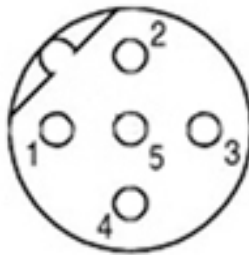


## SCALE DRAWING



## PIN ASSIGNMENT FRONT VIEW

B Code 5 pins

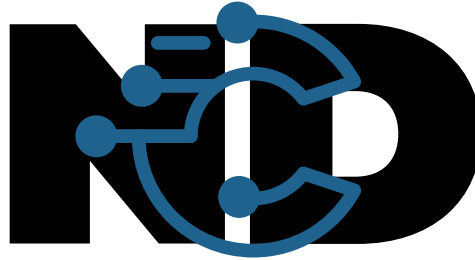


## PART NUMBERS

		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 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



NATIONAL CABLE DISTRIBUTION

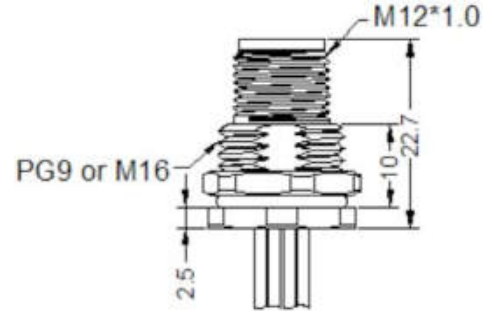
# M12 Code-B CATALOGUE

**M12 B code male straight front panel mount connector with wire**

**PRODUCT PHOTO**

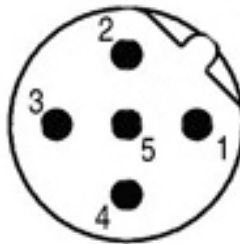


**SCALE DRAWING**



## PIN ASSIGNMENT FRONT VIEW

B Code 5 pins

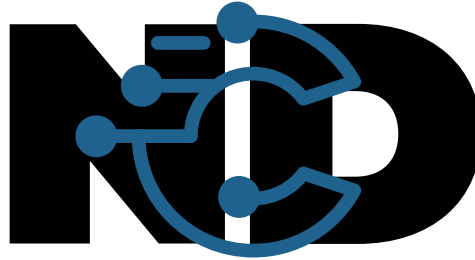


## PART NUMBERS

("X" is length millimetre mm)

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

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 <sup>2</sup> )	0.14mm <sup>2</sup> -0.75mm <sup>2</sup>
Wire gauge(AWG)	26AWG-18AWG



NATIONAL CABLE DISTRIBUTION

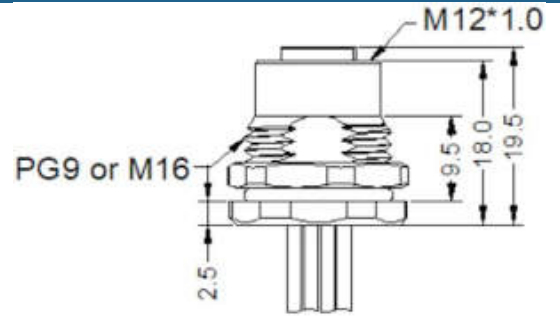
# M12 Code-B CATALOGUE

## M12 B code female straight front panel mount connector with wire

### PRODUCT PHOTO

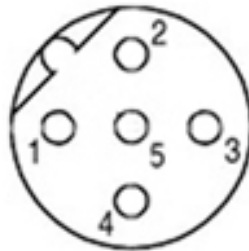


### SCALE DRAWING



### PIN ASSIGNMENT FRONT VIEW

B Code 5 pins

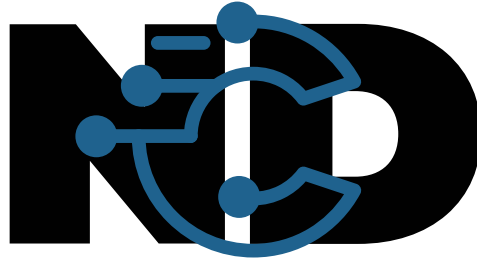


### PART NUMBERS

("X" is length millimetre mm)

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

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 plated
Screw material	Brass with nickel plated
Gasket material	Fluorine ring
Environmental compliance	RoHs, Reach
Connector locking system	Screw
Wire gauge(mm <sup>2</sup> )	0.14mm <sup>2</sup> -0.75mm <sup>2</sup>
Wire gauge(AWG)	26AWG-18AWG



NATIONAL CABLE DISTRIBUTION

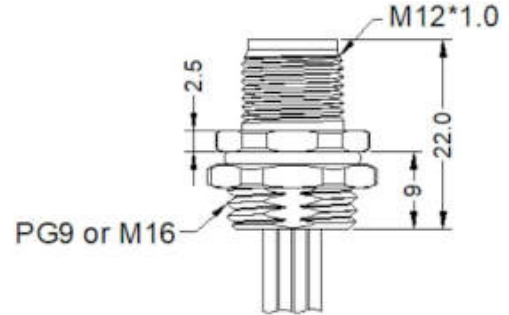
# M12 Code-B CATALOGUE

**M12 B code male straight rear panel mount connector with wire**

**PRODUCT PHOTO**

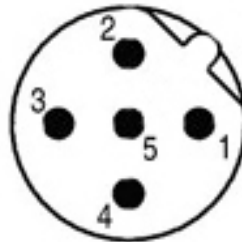


**SCALE DRAWING**



## PIN ASSIGNMENT FRONT VIEW

B Code 5 pins

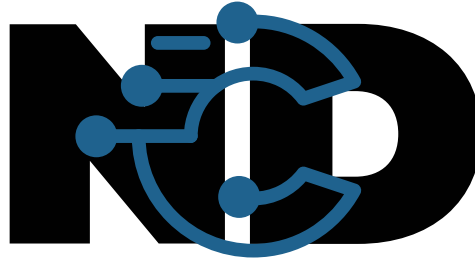


## PART NUMBERS

("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	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 <sup>2</sup> )	0.14mm <sup>2</sup> -0.75mm <sup>2</sup>
Wire gauge(AWG)	26AWG-18AWG



NATIONAL CABLE DISTRIBUTION

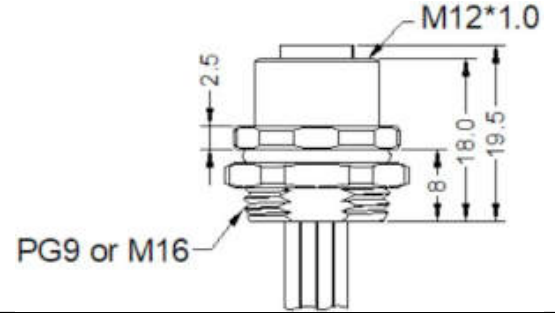
# M12 Code-B CATALOGUE

## M12 B code female straight rear panel mount connector with wire

### PRODUCT PHOTO

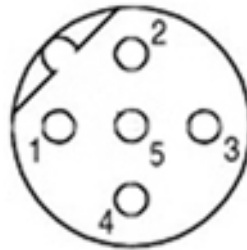


### SCALE DRAWING



### PIN ASSIGNMENT FRONT VIEW

B Code 5 pins

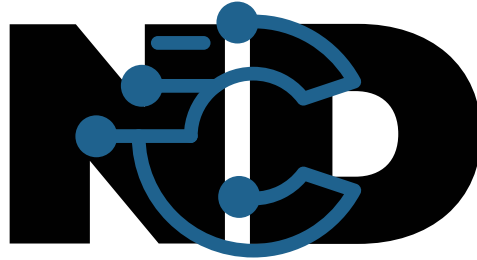


### PART NUMBERS

("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	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 <sup>2</sup> )	0.14mm <sup>2</sup> -0.75mm <sup>2</sup>
Wire gauge(AWG)	26AWG-18AWG



NATIONAL CABLE DISTRIBUTION

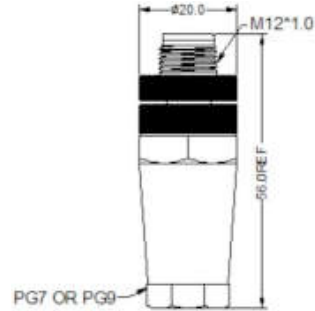
# M12 Code-B CATALOGUE

## M12 B code male straight plastic assembly connector

### PRODUCT PHOTO

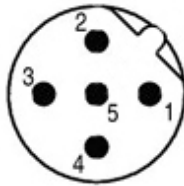


### SCALE DRAWING



### PIN ASSIGNMENT FRONT VIEW

B Code 5 pins

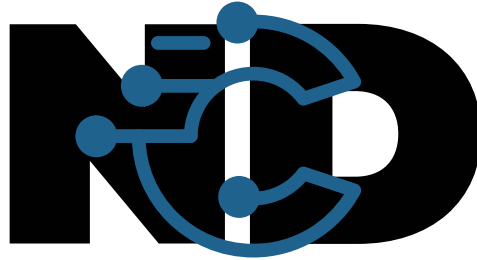


### PART NUMBERS

		PG7 thread	PG9 thread
5 pins	B Code	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 <sup>2</sup> )	0.14mm <sup>2</sup> -0.75mm <sup>2</sup>
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



NATIONAL CABLE DISTRIBUTION

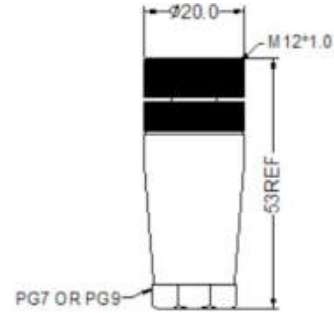
# M12 Code-B CATALOGUE

## M12 B code female straight plastic assembly connector

### PRODUCT PHOTO

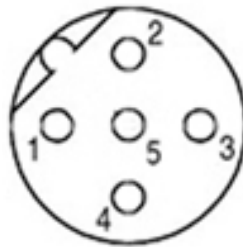


### SCALE DRAWING



### PIN ASSIGNMENT FRONT VIEW

B Code 5 pins

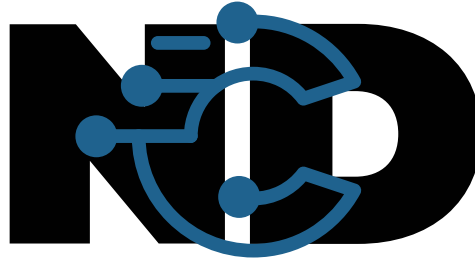


### PART NUMBERS

		PG7 thread	PG9 thread
5 pins	B Code	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 <sup>2</sup> )	0.14mm <sup>2</sup> -0.75mm <sup>2</sup>
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



NATIONAL CABLE DISTRIBUTION

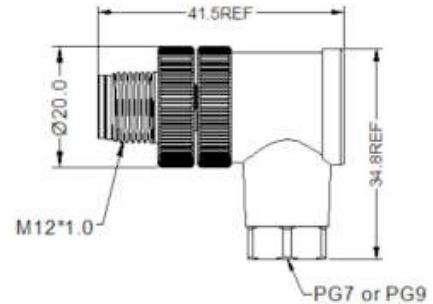
# M12 Code-B CATALOGUE

## M12 B code male right angle plastic assembly connector

### PRODUCT PHOTO

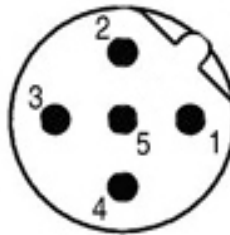


### SCALE DRAWING



### PIN ASSIGNMENT FRONT VIEW

B Code 5 pins



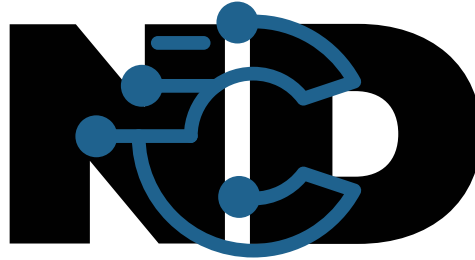
### PART NUMBERS

		PG7 thread		PG9 thread
5 pins	B Code	12ZU53-PG7		12ZU53-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 <sup>2</sup> )	0.14mm <sup>2</sup> -0.75mm <sup>2</sup>
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





NATIONAL CABLE DISTRIBUTION

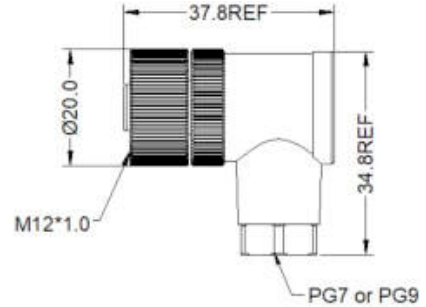
# M12 Code-B CATALOGUE

## M12 B code female right angle plastic assembly connector

### PRODUCT PHOTO

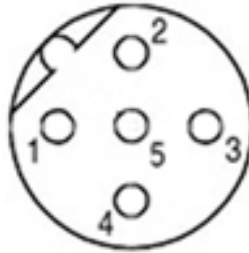


### SCALE DRAWING



### PIN ASSIGNMENT FRONT VIEW

B Code 5 pins

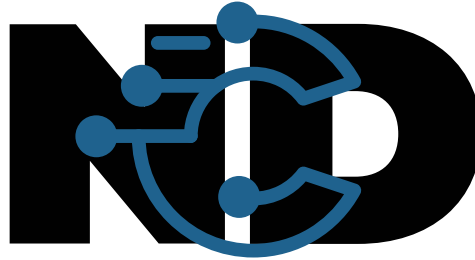


### PART NUMBERS

		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 <sup>2</sup> )	0.14mm <sup>2</sup> -0.75mm <sup>2</sup>
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



NATIONAL CABLE DISTRIBUTION

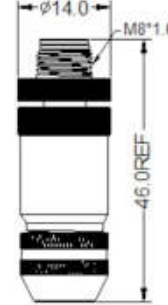
# M12 Code-B CATALOGUE

**M12 B code male straight metal assembly connector with shielded**

**PRODUCT PHOTO**

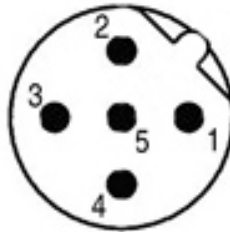


**SCALE DRAWING**



## PIN ASSIGNMENT FRONT VIEW

B Code 5 pins

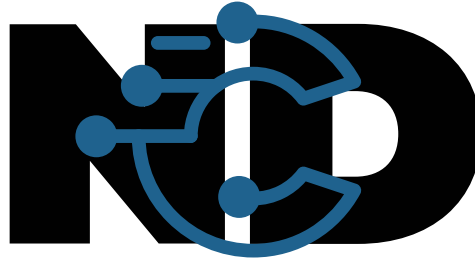


## PART NUMBERS

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

## GENERAL INFORMATION

	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 <sup>2</sup> )	0.14mm <sup>2</sup> -0.75mm <sup>2</sup>
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



NATIONAL CABLE DISTRIBUTION

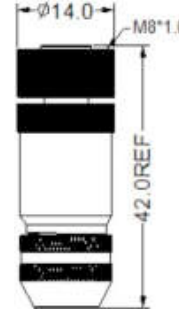
# M12 Code-B CATALOGUE

## M12 B code female straight metal assembly connector with shielded

### PRODUCT PHOTO

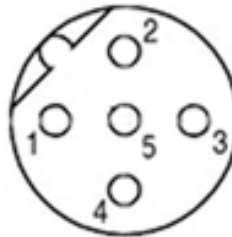


### SCALE DRAWING



### PIN ASSIGNMENT FRONT VIEW

B Code 5 pins

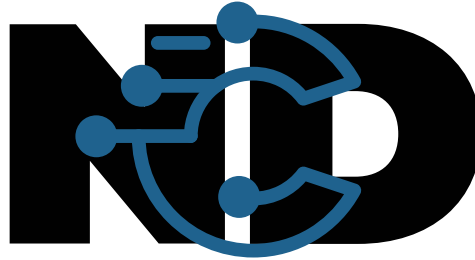


### PART NUMBERS

		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 <sup>2</sup> )	0.14mm <sup>2</sup> -0.75mm <sup>2</sup>
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



NATIONAL CABLE DISTRIBUTION

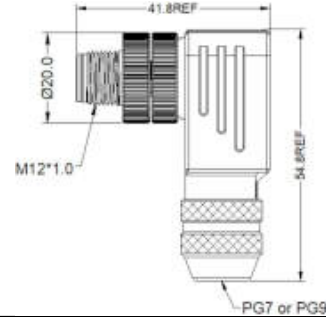
# M12 Code-B CATALOGUE

**M12 B code male right angle metal assembly connector with shielded**

## PRODUCT PHOTO

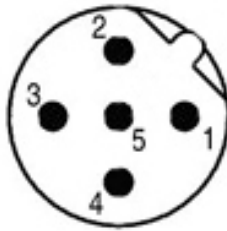


## SCALE DRAWING



## PIN ASSIGNMENT FRONT VIEW

B Code 5 pins

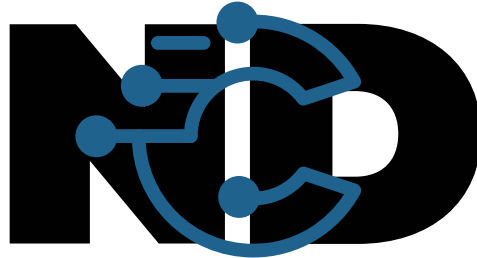


## PART NUMBERS

		PG7 thread	PG9 thread
5 pins	B Code	12ZS57-PG7	12ZS57-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 <sup>2</sup> )	0.14mm <sup>2</sup> -0.75mm <sup>2</sup>
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



NATIONAL CABLE DISTRIBUTION

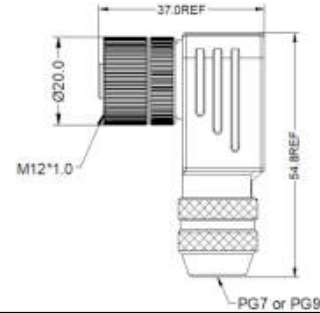
# M12 Code-B CATALOGUE

**M12 B code female right angle metal assembly connector with shielded**

## PRODUCT PHOTO

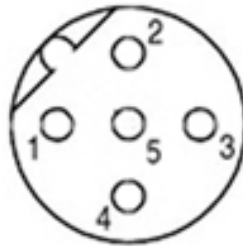


## SCALE DRAWING



## PIN ASSIGNMENT FRONT VIEW

B Code 5 pins

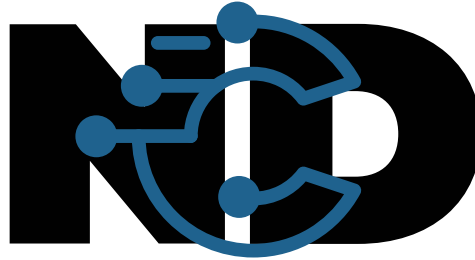


## PART NUMBERS

		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 <sup>2</sup> )	0.14mm <sup>2</sup> -0.75mm <sup>2</sup>
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



NATIONAL CABLE DISTRIBUTION

# M12 Code-B CATALOGUE

**M12 B code male straight moulded cable, unshielded**

**PRODUCT PHOTO**

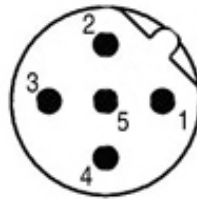


**SCALE DRAWING**



## PIN ASSIGNMENT FRONT VIEW

B Code 5 pins



## PART NUMBERS

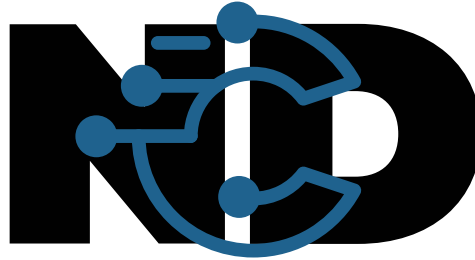
Part number("X" is length millimetre mm)

		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 <sup>2</sup> )	0.14mm <sup>2</sup> -0.75mm <sup>2</sup>
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



NATIONAL CABLE DISTRIBUTION

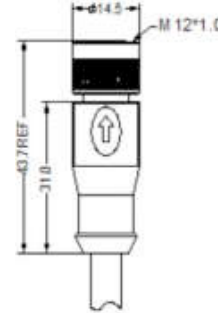
# M12 Code-B CATALOGUE

**M12 B code female straight moulded cable, unshielded**

PRODUCT PHOTO

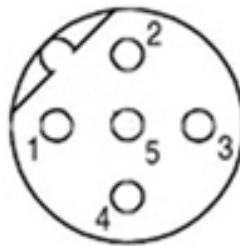


SCALE DRAWING



## PIN ASSIGNMENT FRONT VIEW

B Code 5 pins



## PART NUMBERS

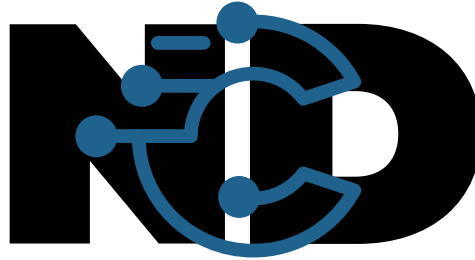
Part number("X" is length millimetre mm)

		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 <sup>2</sup> )	0.14mm <sup>2</sup> -0.75mm <sup>2</sup>
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



NATIONAL CABLE DISTRIBUTION

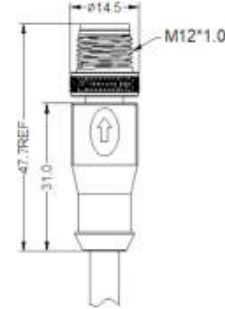
# M12 Code-B CATALOGUE

## M12 B code male straight molded cable

### PRODUCT PHOTO

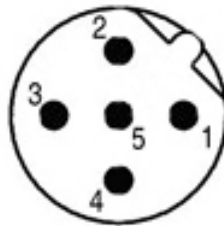


### SCALE DRAWING



### PIN ASSIGNMENT FRONT VIEW

B Code 5 pins



### PART NUMBERS

Part number("X" is length millimetre mm)

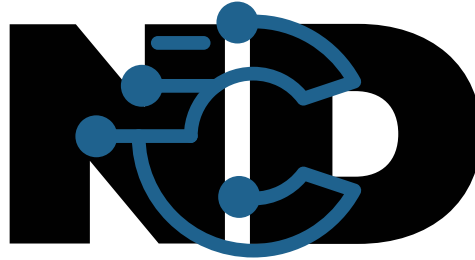
		PVC		PUR	
		-10°C~+80°C	-40°C~+105°C	-10°C~+80°C	-40°C~+105°C
5 pins	B Code	12L165-X	12L173-X	12L181-X	12L189-X

### 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 <sup>2</sup> )	0.14mm <sup>2</sup> -0.75mm <sup>2</sup>
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





NATIONAL CABLE DISTRIBUTION

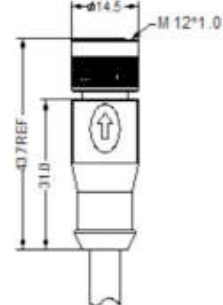
# M12 Code-B CATALOGUE

## M12 B code female straight molded cable, shielded

### PRODUCT PHOTO

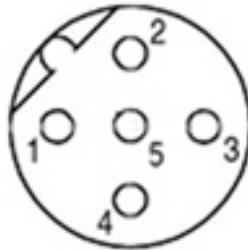


### SCALE DRAWING



### PIN ASSIGNMENT FRONT VIEW

B Code 5 pins



### PART NUMBERS

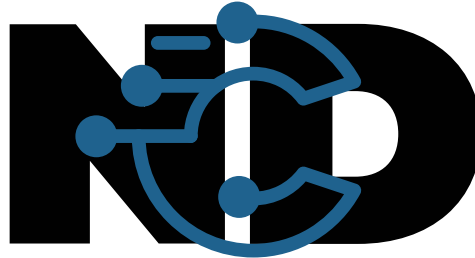
Part number("X" is length millimetre mm)

		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 <sup>2</sup> )	0.14mm <sup>2</sup> -0.75mm <sup>2</sup>
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



NATIONAL CABLE DISTRIBUTION

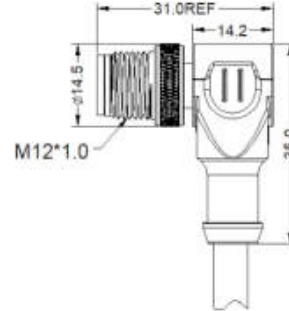
# M12 Code-B CATALOGUE

**M12 B code male right angle molded cable, unshielded**

**PRODUCT PHOTO**

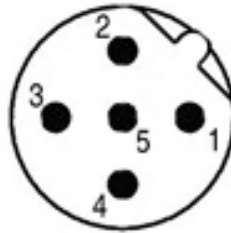


**SCALE DRAWING**



## PIN ASSIGNMENT FRONT VIEW

B Code 5 pins



## PART NUMBERS

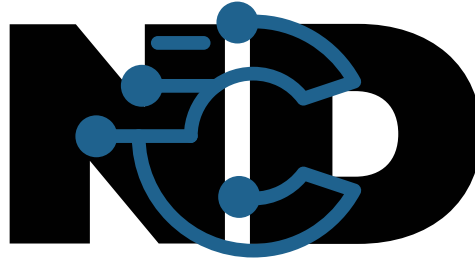
Part number("X" is length millimetre mm)

		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 <sup>2</sup> )	0.14mm <sup>2</sup> -0.75mm <sup>2</sup>
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



NATIONAL CABLE DISTRIBUTION

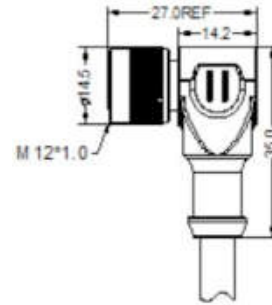
# M12 Code-B CATALOGUE

**M12 B code male right angle molded cable, unshielded**

PRODUCT PHOTO

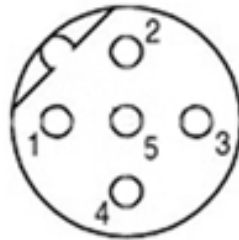


SCALE DRAWING



## PIN ASSIGNMENT FRONT VIEW

B Code 5 pins



## PART NUMBERS

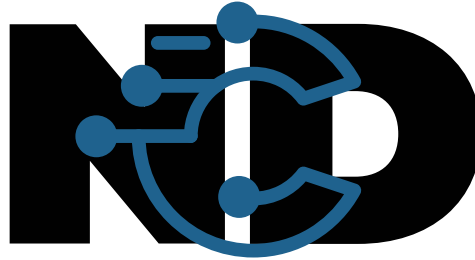
Part number("X" is length millimetre mm)

		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 <sup>2</sup> )	0.14mm <sup>2</sup> -0.75mm <sup>2</sup>
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



NATIONAL CABLE DISTRIBUTION

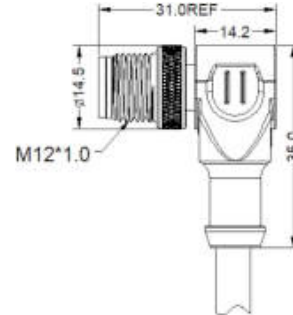
# M12 Code-B CATALOGUE

**M12 B code male right angle molded cable, shielded**

## PRODUCT PHOTO

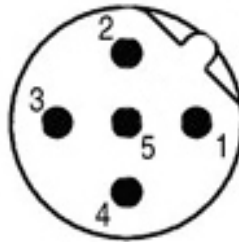


## SCALE DRAWING



## PIN ASSIGNMENT FRONT VIEW

B Code 5 pins



## PART NUMBERS

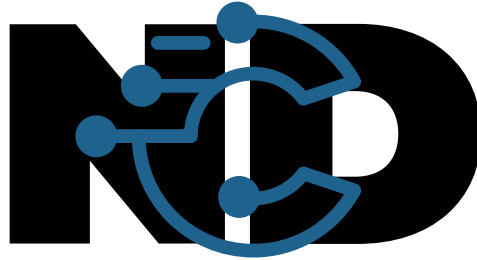
Part number("X" is length millimetre mm)

		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 <sup>2</sup> )	0.14mm <sup>2</sup> -0.75mm <sup>2</sup>
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



NATIONAL CABLE DISTRIBUTION

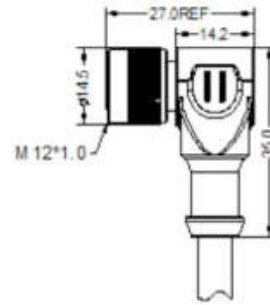
# M12 Code-B CATALOGUE

**M12 B code female right angle molded cable, shielded**

PRODUCT PHOTO

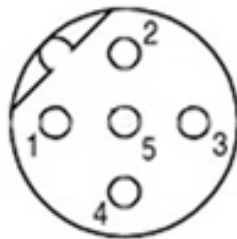


SCALE DRAWING



## 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 <sup>2</sup> )	0.14mm <sup>2</sup> -0.75mm <sup>2</sup>
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