



Automatización Eléctrica

Especialistas en Automatización

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Small Round Water-resistive Connectors

- Water-resistive, compact connector meets IP67 requirements.
- Conventional M8 screw-mounting models are available along with S8 snap-in models that connect and disconnect with one touch.
- Ideal for a wide variety of FA and OA applications.
- Connectors on both cable ends require no harness work.
- Some new M8 models with 3 or 5 poles.



Refer to *Safety Precautions* on page 19.



Ratings and Specifications

| Item | Model | XS3F/H/W/P/M | XS3F-M52□-5□□-A | XS3M-M524-1□ | XS3R |
|-------------------------------------|-------|---|--|--------------|---|
| Rated current | | 1 ADC | 3 ADC | | 1 ADC |
| Rated voltage | | 125 VDC *2 | 30 VDC | | 125 VDC |
| Contact resistance (connector) | | 40 mΩ max. (20 mV max., 100 mA max.) | | | 60 mΩ max. (20 mVDC max., 100 mA max.) |
| Insulation resistance | | 1,000 MΩ min. (at 500 VDC) | | | |
| Dielectric strength (connector) | | 1,000 VAC for 1 min (leakage current: 1 mA max.) | 650 VAC for 1 min (leakage current: 1 mA max.) | | 1,000 VAC for 1 min (leakage current: 1 mA max.) |
| Degree of protection | | IP67 (IEC60529) | | | |
| Insertion tolerance | | 200 times | | | |
| Cable tensile strength *1 | | 50 N | | | |
| Ambient operating temperature range | | -25 to 70°C | -25 to 85°C | | -25 to 70°C |

*1. Models with cable only

*2. Except 5poles

Materials and Finish

Connector

| Item | Type Model | M8 | | | S8 | | |
|-------------------|------------|--|--|-----------------------------|--|--|----------------------|
| | | XS3F/H/W/R | XS3P/M * | XS3M-M524-1□ | XS3F/W (Socket side) | XS3H/W (Plug side) | XS3P |
| Contact block | | PBT resin (UL94 V-0) light gray or black | | | | | |
| Contacts | | Phosphor bronze/nickel base, 0.4-μm gold plating | Brass/nickel base, 0.4-mm gold plating | | Phosphor bronze/nickel base, 0.4-μm gold plating | Brass/nickel base, 0.4-μm gold plating | |
| Thread bracket | | Brass/nickel plating or SUS316L | | — | | Brass/nickel plating | — |
| Body | | — | Brass/nickel plating | Nickel-plated zinc alloy | — | | |
| Shell | | — | | | | | TPEE |
| C-Ring | | — | | Phosphor bronze/tin plating | — | | |
| Grounding fixture | | — | | Phosphor bronze/tin plating | — | | |
| Nut | | — | Brass/nickel plating | | — | | Brass/nickel plating |
| Cover | | Soft PBT resin (UL94 V-0) | — | | TPEE | | — |
| O-ring | | Rubber | | | | | |

*Except 5poles

Note: The XS3M is for both M8 and S8.

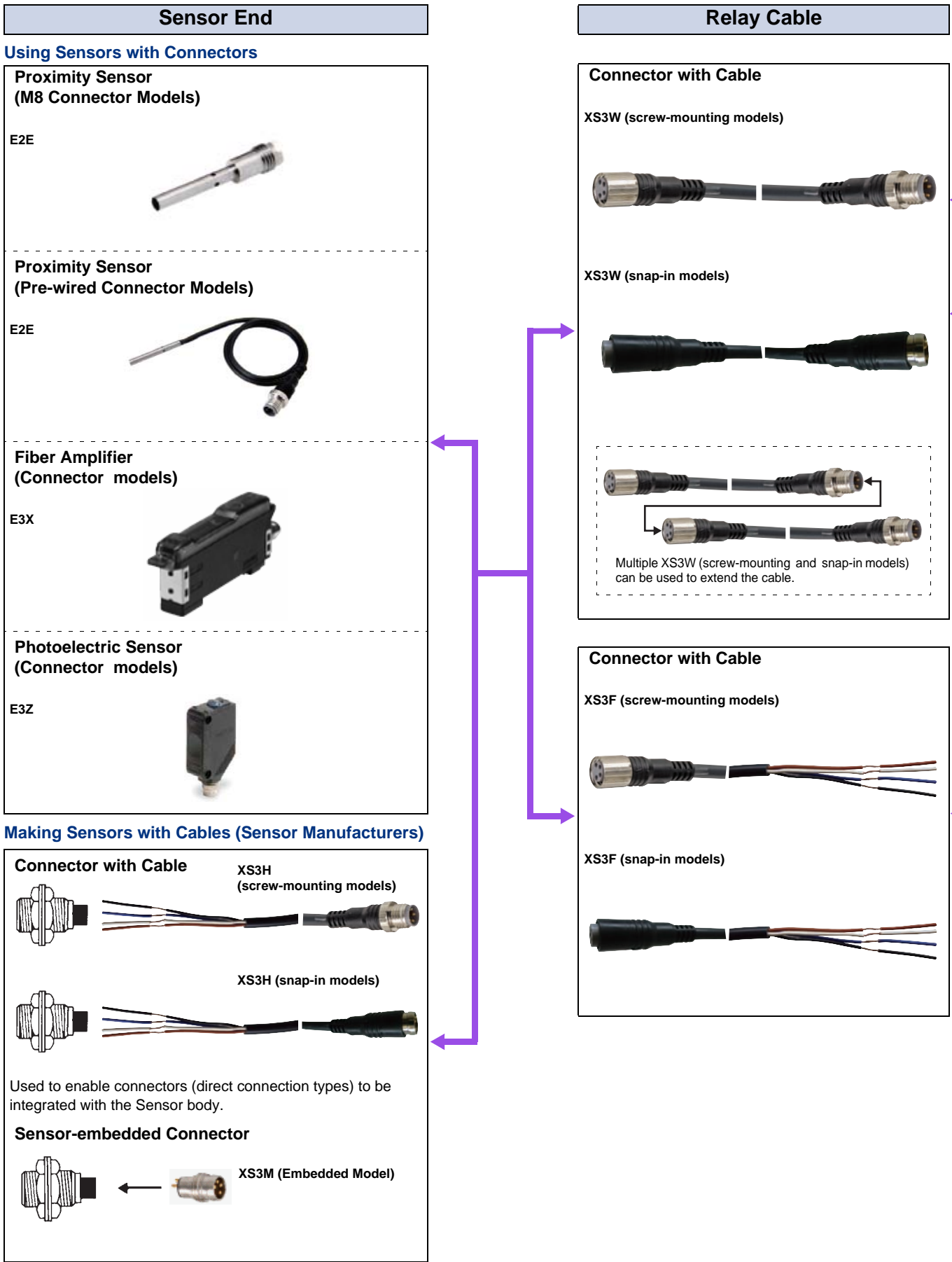
Cables



| Item | Pins | 3 pin | 4 pin | 5 pin |
|-----------------------------|--------------------|--|-------|--|
| Standard cable | Diameter | 4 mm dia. | | 4.7 mm dia. |
| | Cross section area | 0.2 mm ² (18 / 0.12 mm dia.) | | 0.2 mm ² (11 / 0.16 mm dia.) |
| Vibration-proof robot cable | Diameter | 4 mm dia. | | — |
| | Cross section area | 0.2 mm ² (40 / 0.08 mm dia.) | | — |

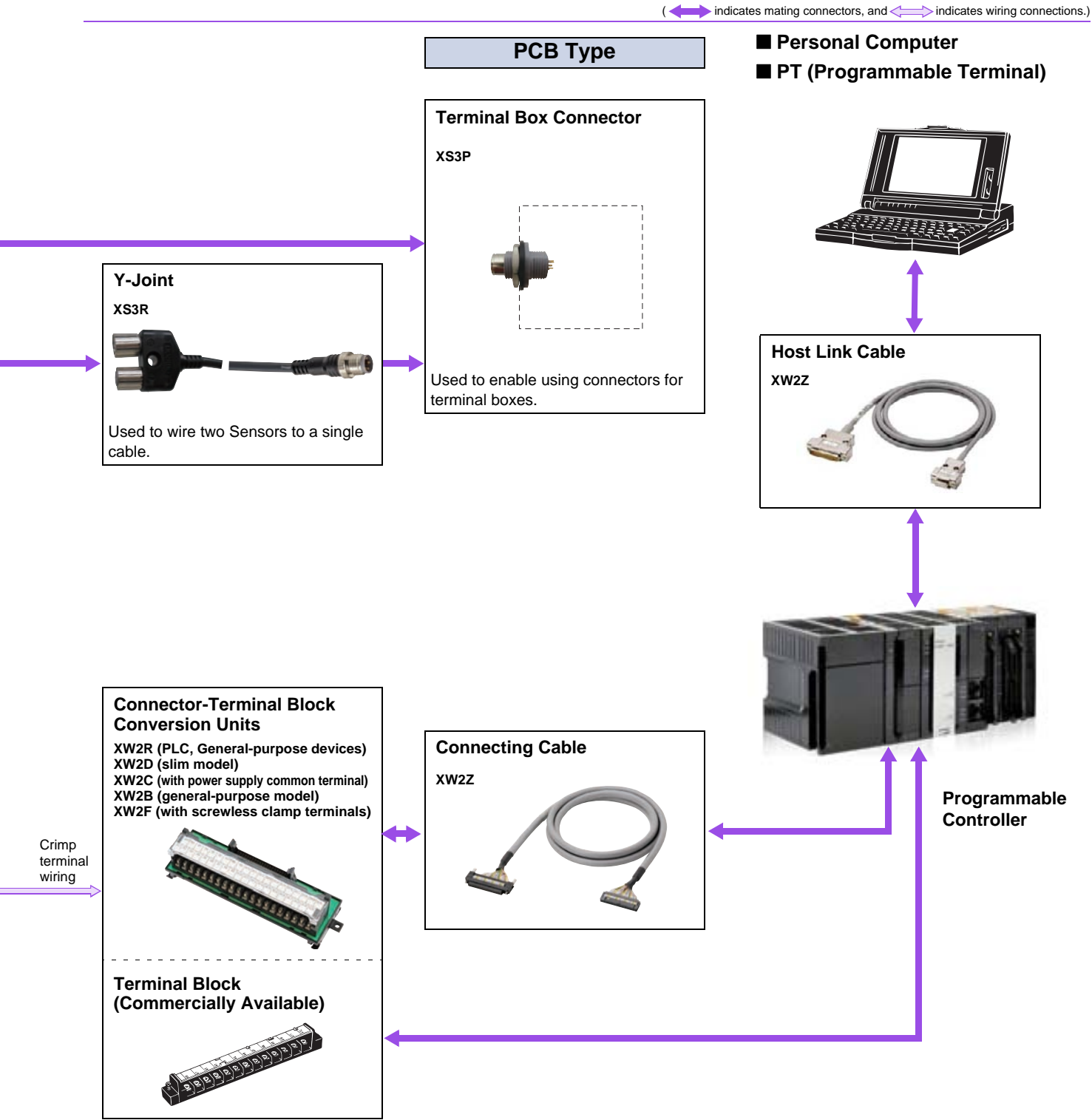
Pin Arrangement (Engaged Side)

| Item | Pins | 3 pin | 4 pin | 5 pin |
|------|--------|-------|-------|-------|
| DC | Plug | | | |
| | Socket | | | |

Wiring System Configuration



( indicates mating connectors, and  indicates wiring connections.)



XS3W

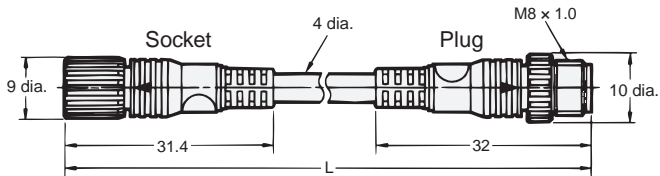
● M8 Screw-mounting Connectors with Vibration-proof Robot Cable

XS3W-M□2□-□□□-R

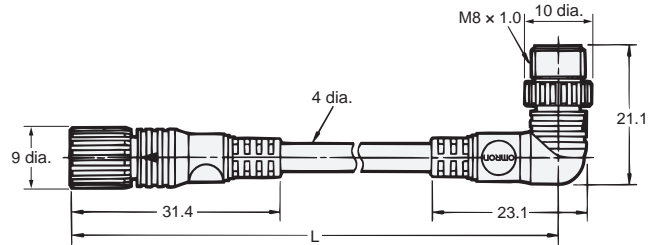
Dimensions

(Unit: mm)

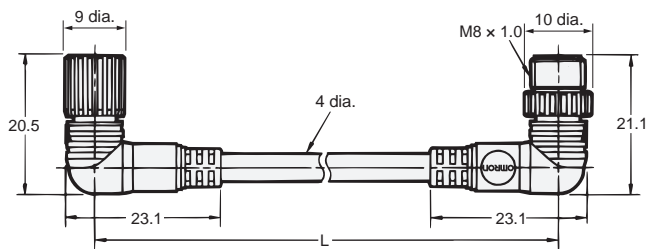
Straight/Straight Connectors



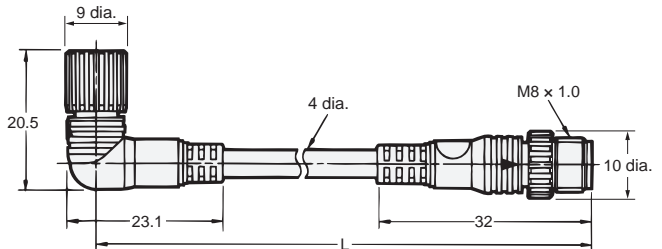
Straight/Right-angle Connectors



Right-angle/Right-angle Connectors



Right-angle/Straight Connectors



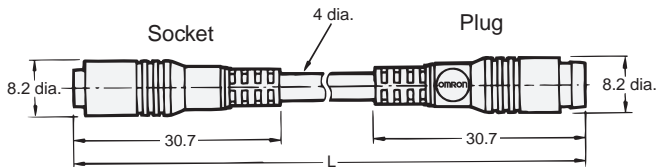
● S8 Snap-in Connectors with Vibration-proof Robot Cable

XS3W-S42□-4□□-R

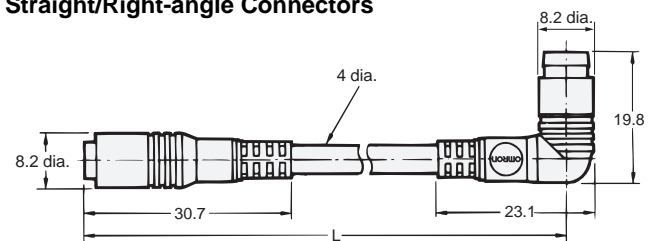
Dimensions

(Unit: mm)

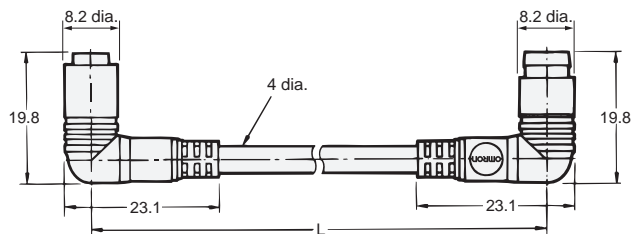
Straight/Straight Connectors



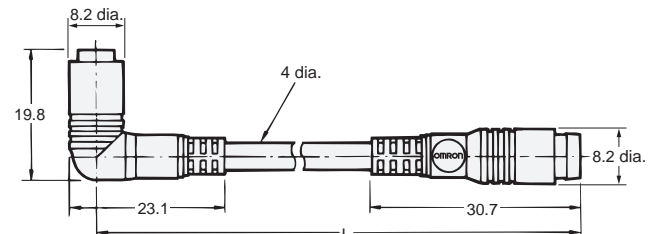
Straight/Right-angle Connectors



Right-angle/Right-angle Connectors



Right-angle/Straight Connectors



Model Number Legend

Use this model number legend to identify products from their model number. When ordering, use a model number from the table in *Ordering Information*.

XS3W- **2** **-R**

1 2 3 4 5 6

1. Fastening Method

M: M8

S: S8

2. Connector Poles

3: 3 poles

4: 4 poles

3. Cable Connection Direction

1: Straight (socket/XS3F)/

Straight (plug/XF3H)

2: Right-angle (socket/XS3F)/

Right-angle (plug/XF3H)

3: Straight (socket/XS3F)/

Right-angle (plug/XS3H)

4: Right-angle (socket/XS3F)/

Straight (plug/XS3H)

4. Connections

Pin No.

① ③ ④

3: Brown Blue Black

Pin No.

① ② ③ ④

4: Brown White Blue Black

5. Cable Length

01: 1 m

02: 2 m

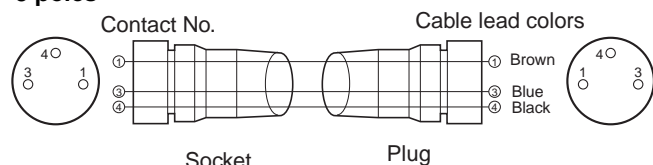
05: 5 m

6. Cable Specifications

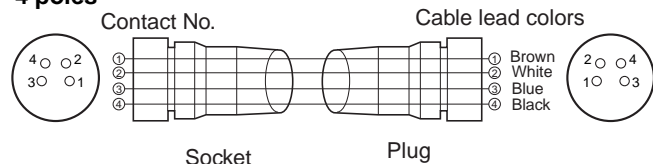
R: Vibration-proof
robot cable

Wiring Diagram/Engaged Side

3 poles



4 poles



Mating Connectors

| Item | Socket side | Plug side |
|-----------|---------------------------|-------------------------------------|
| XS3W (M8) | XS3M (M8/S8) XS3H (M8) | XS3F (M8) XS3W (M8) XS3P (M8) |
| XS3W (S8) | XS3M (M8/S8) XS3H (M8) | XS3F (S8) XS3W (S8) XS3P (S8) |

Note 1. Cables can be extended with more than one XS3W.

2. M8 screw models and S8 snap-in models cannot be connected to each other.

Ordering Information

M8 Screw-mounting Connectors

| No. of cable cores | Cable connection direction | Cable length L (m) | Model |
|--------------------|----------------------------|--------------------|-----------------|
| 3 | Straight/Straight | 1 | XS3W-M321-301-R |
| | | 2 | XS3W-M321-302-R |
| | | 5 | XS3W-M321-305-R |
| 4 | Straight/Straight | 1 | XS3W-M421-401-R |
| | | 2 | XS3W-M421-402-R |
| | | 5 | XS3W-M421-405-R |
| | Right-angle/Right-angle | 2 | XS3W-M422-402-R |
| | | 5 | XS3W-M422-405-R |
| | Straight/Right-angle | 2 | XS3W-M423-402-R |
| | | 5 | XS3W-M423-405-R |
| | Right-angle/Straight | 2 | XS3W-M424-402-R |
| | | 5 | XS3W-M424-405-R |

S8 Snap-in Connectors

| No. of cable cores | Cable connection direction | Cable length L (m) | Model |
|--------------------|----------------------------|--------------------|-----------------|
| 4 | Straight/Straight | 1 | XS3W-S421-401-R |
| | | 2 | XS3W-S421-402-R |
| | | 5 | XS3W-S421-405-R |
| | Right-angle/Right-angle | 2 | XS3W-S422-402-R |
| | | 5 | XS3W-S422-405-R |
| | Straight/Right-angle | 2 | XS3W-S423-402-R |
| | | 5 | XS3W-S423-405-R |
| | Right-angle/Straight | 2 | XS3W-S424-402-R |
| | | 5 | XS3W-S424-405-R |

XS3F Sockets on One Cable End

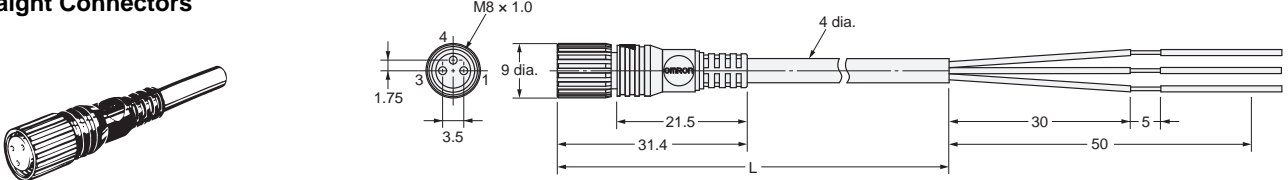
● M8 3 pin Screw-on Cables with Vibration-proof Robot Cable/Standard Cable

XS3F-M32□-3□□-□

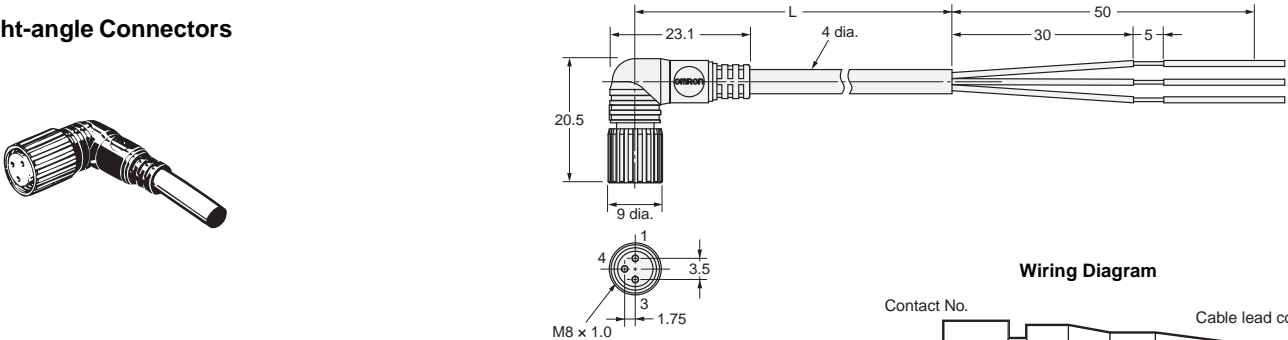
Dimensions

(Unit: mm)

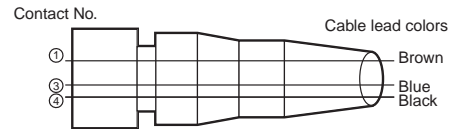
Straight Connectors



Right-angle Connectors



Wiring Diagram



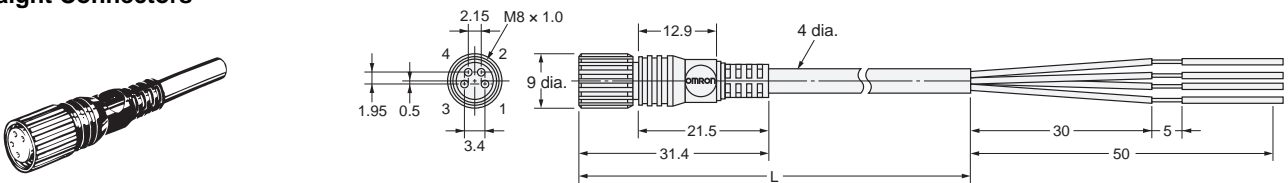
● M8 4 pin Screw-on Cables with Vibration-proof Robot Cable/Standard Cable

XS3F-□42□-4□□-□

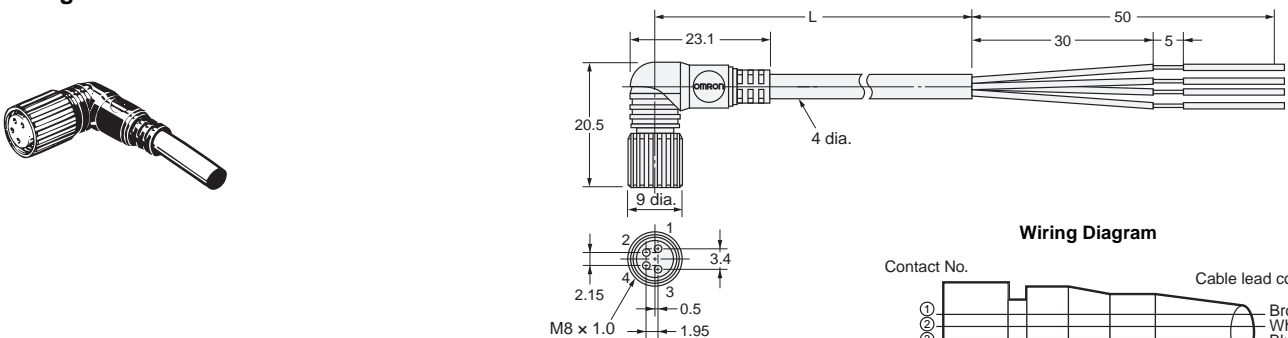
Dimensions

(Unit: mm)

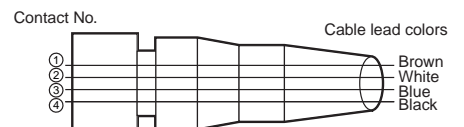
Straight Connectors



Right-angle Connectors



Wiring Diagram



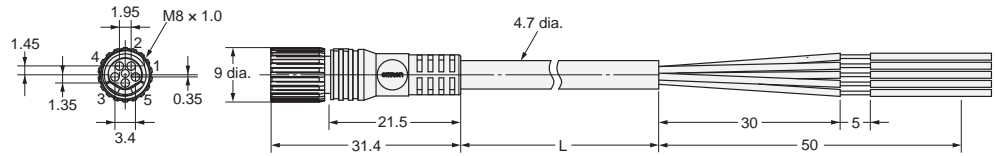
● M8 5 pin Screw-on Cables with Standard Cable

XS3F-M52-5-A

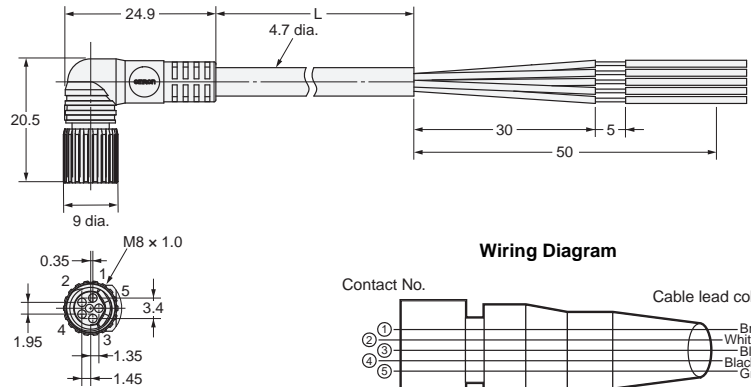
Dimensions

(Unit: mm)

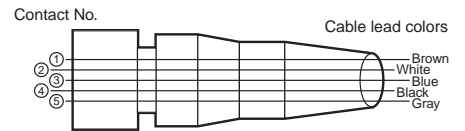
Straight Connectors



Right-angle Connectors



Wiring Diagram



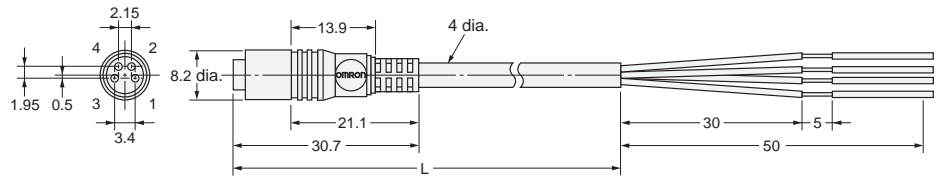
● S8 Snap-in Connectors with Vibration-proof Robot Cable

XS3F-S42-4-R

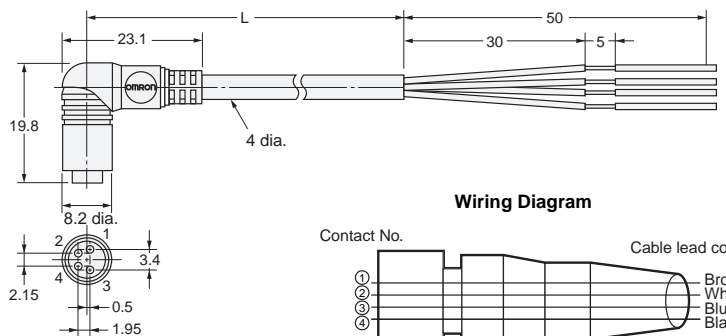
Dimensions

(Unit: mm)

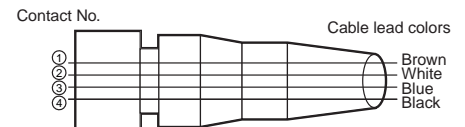
Straight Connectors



Right-angle Connectors



Wiring Diagram



Model Number Legend

Use this model number legend to identify products from their model number. When ordering, use a model number from the table in *Ordering Information*.

XS3F- 2 - -

123456

1. Fastening Method

- M: M8
- S: S8
- E: M8
- SUS316L Lock

2. Connector Poles

- 3: 3 poles
- 4: 4 poles
- 5: 5 poles

3. Cable Connection Direction

- 1: Straight
- 2: Right-angle

4. Connections

- Pin No.
- ①③④
- 3: Brown Blue Black
- Pin No.
- ①②③④
- 4: Brown White Blue Black
- Pin No.
- ①②③④⑤
- 5: Brown White Blue Black Gray

5. Cable Length

- 01: 1 m
- 02: 2 m
- 05: 5 m
- 10: 10 m

6. Cable Specifications

- A: Standard cable
- R: Vibration-proof robot cable

Mating Connectors

| Item | Model |
|----------|------------------------------------|
| XS3F(M8) | XS3M (M8/S8), XS3H (M8), XS3W (M8) |
| XS3F(S8) | XS3M (M8/S8), XS3H (M8), XS3W (M8) |

Note: M8 screw models and S8 snap-in models cannot be connected to each other.

Ordering Information

M8 Screw-on Cables

| No. of cable cores | Item | Cable connection direction | Cable length L (m) | Model |
|--------------------|-----------------------------|----------------------------|--------------------|-----------------|
| 3 | Standard cable | Straight | 2 | XS3F-M321-302-A |
| | | | 5 | XS3F-M321-305-A |
| | | Right-angle | 2 | XS3F-M322-302-A |
| | | | 5 | XS3F-M322-305-A |
| | Vibration-proof robot cable | Straight | 2 | XS3F-M321-302-R |
| | | | 5 | XS3F-M321-305-R |
| | | Right-angle | 2 | XS3F-M322-302-R |
| | | | 5 | XS3F-M322-305-R |
| 4 | Standard cable | Straight | 2 | XS3F-M421-402-A |
| | | | 5 | XS3F-M421-405-A |
| | | Right-angle | 2 | XS3F-M422-402-A |
| | | | 5 | XS3F-M422-405-A |
| | Vibration-proof robot cable | Straight | 1 | XS3F-M421-401-R |
| | | | 2 | XS3F-M421-402-R |
| | | | 5 | XS3F-M421-405-R |
| | | Right-angle | 1 | XS3F-M422-401-R |
| | | | 2 | XS3F-M422-402-R |
| | | | 5 | XS3F-M422-405-R |
| | Standard SUS316L cable lock | Straight | 2 | XS3F-E421-402-A |
| | | | 5 | XS3F-E421-405-A |
| | | Right-angle | 2 | XS3F-E422-402-A |
| | | | 5 | XS3F-E422-405-A |
| 5 | Standard cable | Straight | 2 | XS3F-M521-502-A |
| | | | 5 | XS3F-M521-505-A |
| | | | 10 | XS3F-M521-510-A |
| | | Right-angle | 2 | XS3F-M522-502-A |
| | | | 5 | XS3F-M522-505-A |
| | | | 10 | XS3F-M522-510-A |

S8 Snap-in Connectors

| No. of cable cores | Item | Cable connection direction | Cable length L (m) | Model |
|--------------------|-----------------------------|----------------------------|--------------------|-----------------|
| 4 | Vibration-proof robot cable | Straight | 1 | XS3F-S421-401-R |
| | | | 2 | XS3F-S421-402-R |
| | | | 5 | XS3F-S421-405-R |
| | | Right-angle | 1 | XS3F-S422-401-R |
| | | | 2 | XS3F-S422-402-R |
| | | | 5 | XS3F-S422-405-R |

XS3H Plugs on One Cable End

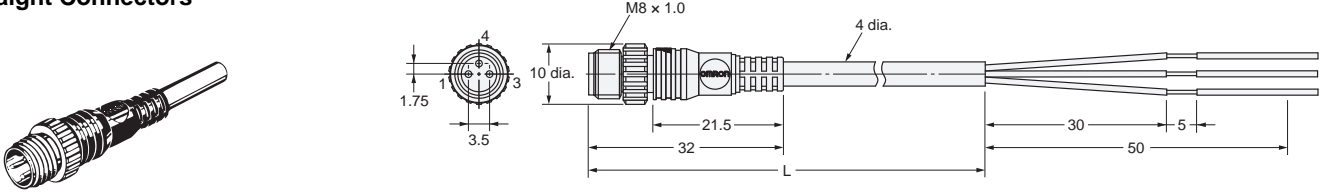
● M8 3 pin Screw-on Connectors with Vibration-proof Robot Cable

XS3H-M321-3□□-R

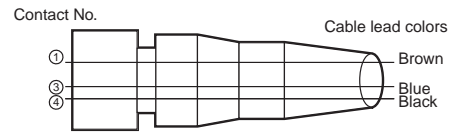
Dimensions

(Unit: mm)

Straight Connectors



Wiring Diagram



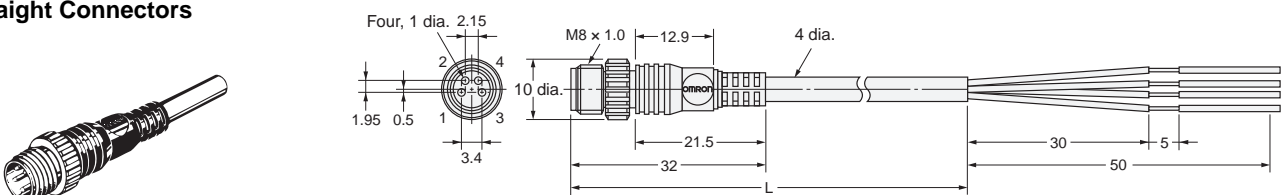
● M8 4 pin Screw-on Connectors with Vibration-proof Robot Cable

XS3H-M42□-4□□-R

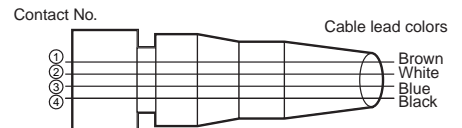
Dimensions

(Unit: mm)

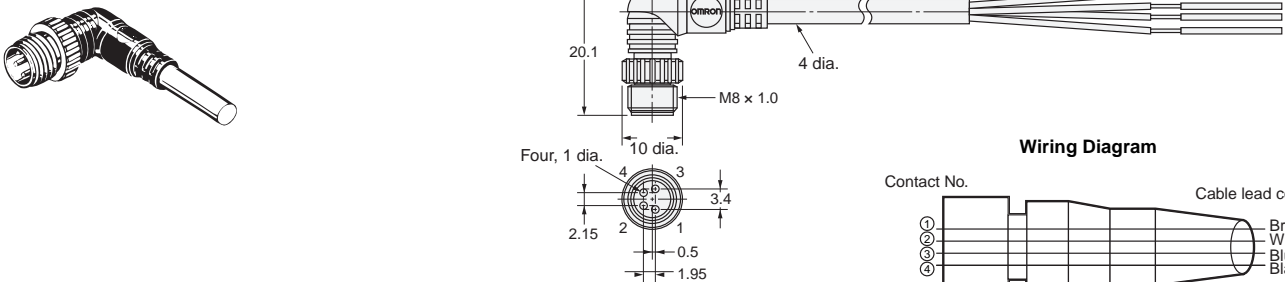
Straight Connectors



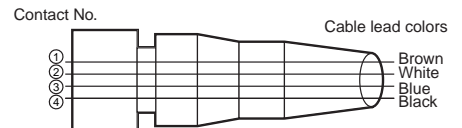
Wiring Diagram



Right-angle Connectors



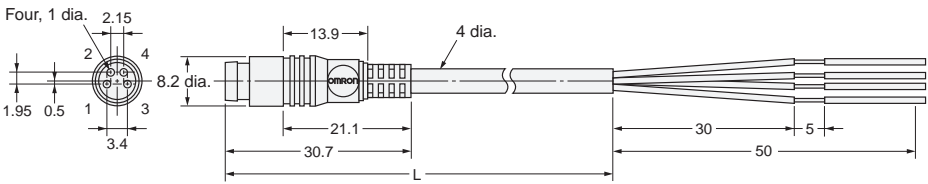
Wiring Diagram



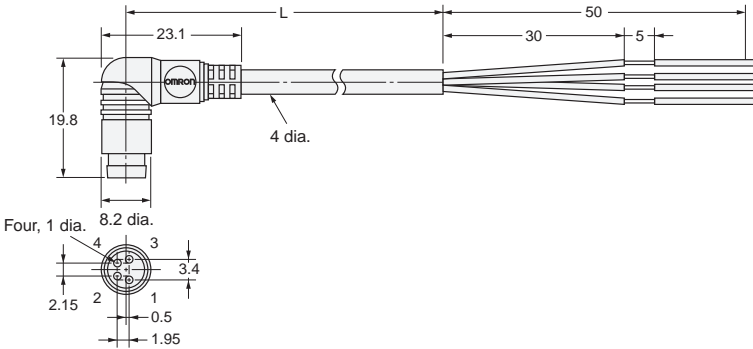
Dimensions

(Unit: mm)

Straight Connectors



Right-angle Connectors



Model Number Legend

Use this model number legend to identify products from their model number. When ordering, use a model number from the table in *Ordering Information*.

XS3H- **2** **-R**

1
2
3
4
5
6

1. Fastening Method

M: M8

S: S8

3. Cable Connection Direction

1: Straight

2: Right-angle

5. Cable Length

C3: 0.3 m

01: 1 m

2. Connector Poles

3: 3 poles

4: 4 poles

4. Connections

Pin No.

① ③ ④

3: Brown Blue Black

Pin No.

① ② ③ ④

4: Brown White Blue Black

6. Cable Specifications

R: Vibration-proof robot cable

Mating Connectors

| Item | Model |
|----------|---------------------------------|
| XS3H(M8) | XS3F (M8), XS3W (M8), XS3P (M8) |
| XS3H(S8) | XS3F (S8), XS3W (S8), XS3P (S8) |

Note: M8 screw models and S8 snap-in models cannot be connected to each other.

Ordering Information

M8 Screw-on Connectors

| No. of cable cores | Cable connection direction | Cable length L (m) | Model |
|--------------------|----------------------------|--------------------|-----------------|
| 3 | Straight | 0.3 | XS3H-M321-3C3-R |
| | | 1 | XS3H-M321-301-R |
| 4 | Straight | 0.3 | XS3H-M421-4C3-R |
| | | 1 | XS3H-M421-401-R |
| | Right-angle | 0.3 | XS3H-M422-4C3-R |
| | | 1 | XS3H-M422-401-R |

S8 Snap-in Connectors

| No. of cable cores | Cable connection direction | Cable length L (m) | Model |
|--------------------|----------------------------|--------------------|-----------------|
| 4 | Straight | 0.3 | XS3H-S421-4C3-R |
| | | 1 | XS3H-S421-401-R |
| | Right-angle | 0.3 | XS3H-S422-4C3-R |
| | | 1 | XS3H-S422-401-R |

XS3P Panel-mounting Sockets for Terminal Boxes

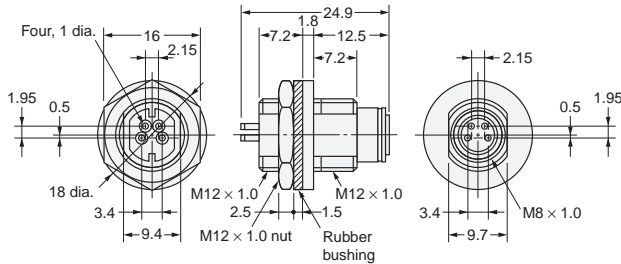
- M8 Screw-mounting Sockets with DIP Pins
- M8 Screw-mounting Sockets with Solder Cup Pins
- M8 Screw-mounting Sockets with Solder Cup Pins

XS3P-M421-1
XS3P-M421-2
XS3P-M422-2

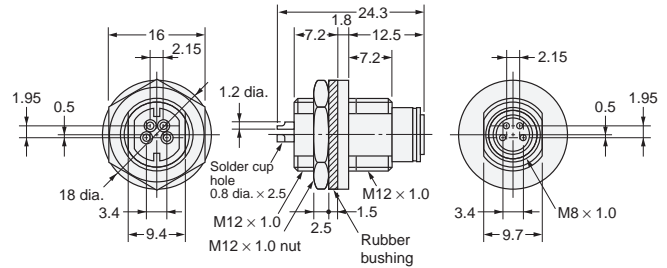
Dimensions

(Unit: mm)

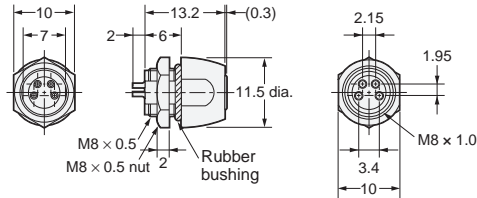
XS3P-M421-1 (DIP Pins) Front lock or rear lock



XS3P-M421-2 (Solder Cup Pins) Front lock or rear lock



XS3P-M422-2 (Solder Cup Pins), Rear Lock Slim Models



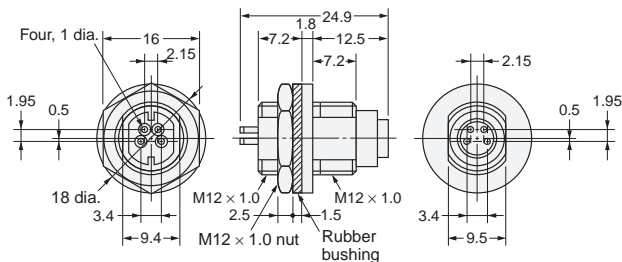
- S8 Snap-in Sockets with DIP Pins
- S8 Snap-in Sockets with Solder Cup Pins

XS3P-S421-1
XS3P-S421-2

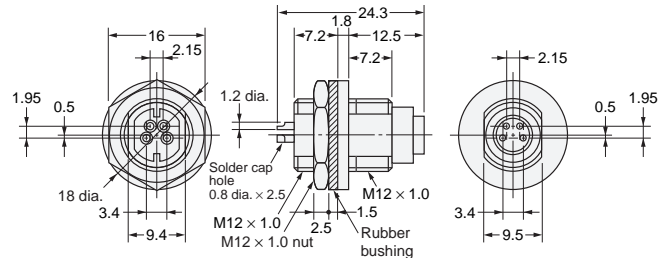
Dimensions

(Unit: mm)

XS3P-S421-1 (DIP Pins) Front lock or rear lock



XS3P-S421-2 (Solder Cup Pins) Front lock or rear lock

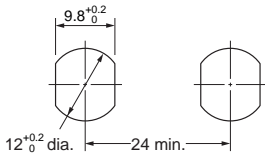


Mounting Dimensions for XS3P Screw-on Models and Snap-in Models

(Unit: mm)

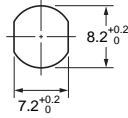
Panel Cutouts

XS3P-□421-□

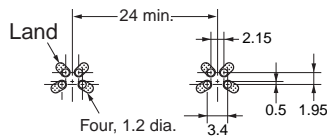


Note: The panel thickness is 1 to 3 mm.

XS3P-M422-2



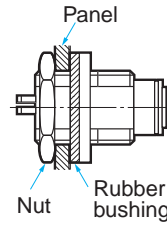
PCB-mounting Dimensions



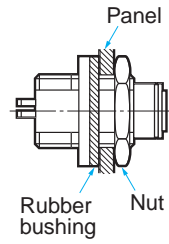
Note: The panel thickness is 2.4 mm maximum.

Panel-mounting Dimensions

Rear Lock



Front Lock



Mating Connectors

| Item | Model |
|----------|----------------------|
| XS3P(M8) | XS3H (M8), XS3W (M8) |
| XS3P(S8) | XS3H (S8), XS3W (S8) |

Note: M8 screw models and S8 snap-in models cannot be connected to each other.

Ordering Information

| Connection method | Panel mounting | Pin shape | Model | Minimum order |
|-------------------|-------------------------|-----------------|-------------|---------------|
| M8 screw-mounting | Front lock or rear lock | DIP pins | XS3P-M421-1 | 50 |
| | | Solder cup pins | XS3P-M421-2 | |
| | Rear lock | Solder cup pins | XS3P-M422-2 | |
| S8 snap-in | Front lock or rear lock | DIP pins | XS3P-S421-1 | |
| | | Solder cup pins | XS3P-S421-2 | |

Note: Orders are accepted in multiples of the minimum order.

Safety Precautions

In addition to the following information, also refer to *Safety Precautions* on page 19

Precautions for Correct Use

Panel Mounting

- When mounting XS3P Panel-mounting Connectors to panels, refer to *Panel-mounting Dimensions* and provide rubber bushings and nuts for the Connectors. Apply a tightening torque of between 0.4 and 0.6 N·m to mount the Connectors.

XS3M Sensor Embedded Plugs

- Embedded Plugs with Screw Threads and DIP Pins
- Embedded Plugs with Screw Threads and Solder Cup Pins

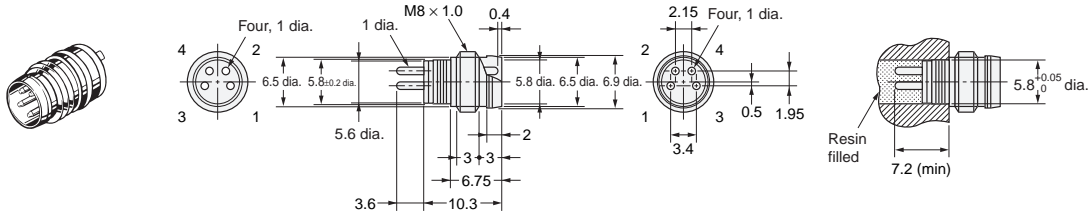
XS3M-K421-1
XS3M-K421-2

Dimensions

(Unit: mm)

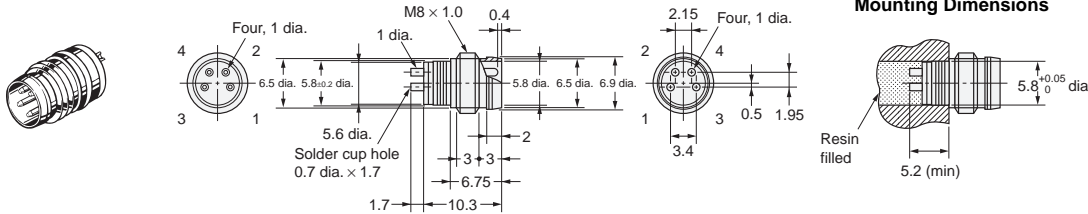
XS3M-K421-1

Embedded Model with DIP Pins



XS3M-K421-2

Embedded Model with Solder Cup Pins



Mating Connectors

| Item | Model |
|------|----------------------------|
| XS3M | XS3F (M8/S8), XS3W (M8/S8) |

Note: The plug can be connected to both M8 screw and S8 snap-in models.

Ordering Information

| Connection method | Pin shape | Model | Minimum order |
|-------------------|-----------------|--------------------|---------------|
| Embedded model | DIP pins | XS3M-K421-1 | 200 |
| | Solder cup pins | XS3M-K421-2 | |

Note: Orders are accepted in multiples of the minimum order.

XS3M Panel-mounting Plugs

● Front lock DIP pins (5 pins)

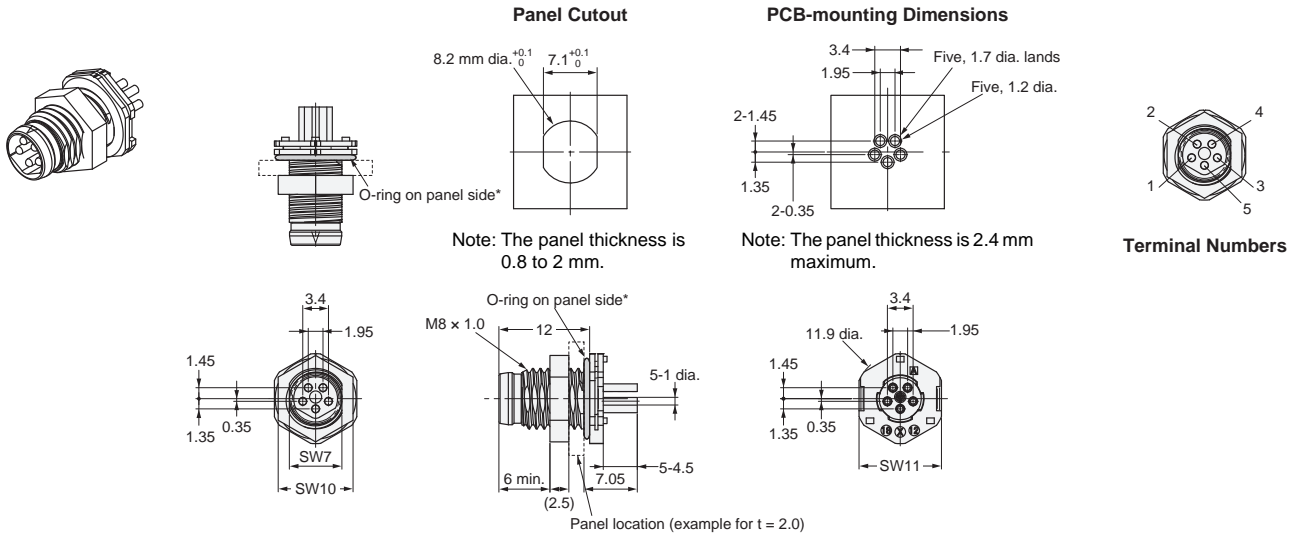
XS3M-M524-□□

Dimensions

(Unit: mm)

XS3M-M524-10

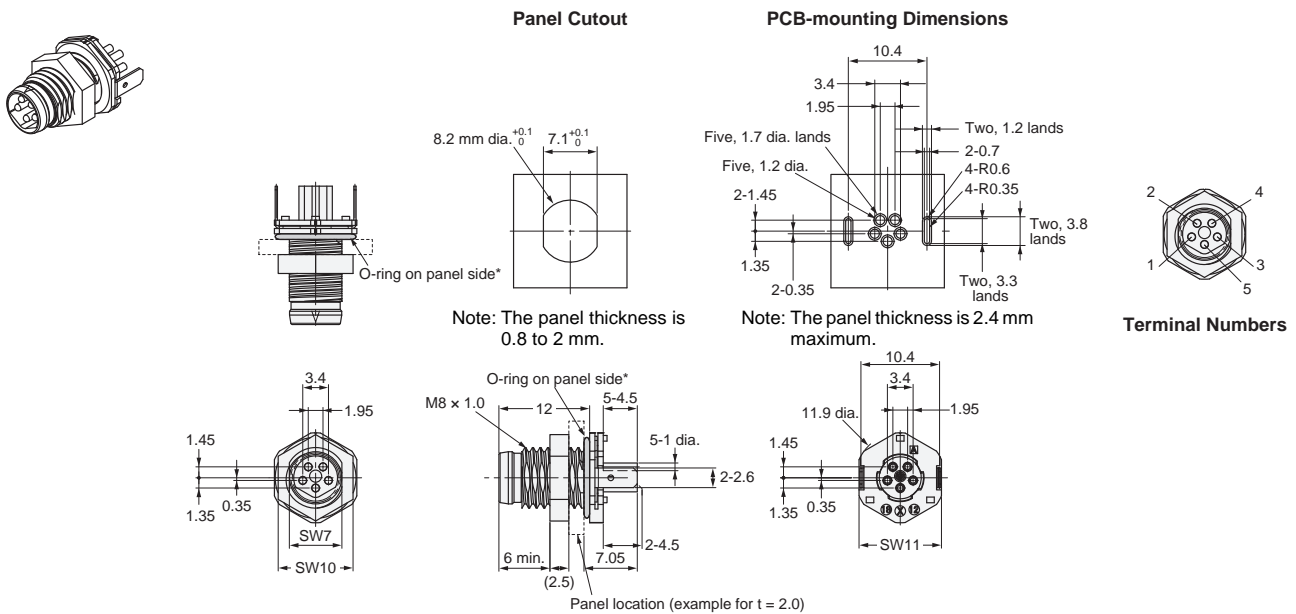
Front Lock with DIP Pins 4.5 mm (for Either Round Holes or Solder Cups), Without Shield Terminal



*The O-ring on the panel side maintains a waterproof structure (IP67) between the panel and Connector.

XS3M-M524-11

Front Lock with DIP Pins 4.5 mm (for Either Round Holes or Solder Cups), With Shield Terminal



*The O-ring on the panel side maintains a waterproof structure (IP67) between the panel and Connector.

Mating Connectors

| Item | Model |
|--------------|-----------------|
| XS3M-M524-1□ | XS3F-M52□-5□□-A |

Ordering Information

| Lock method | Pin shape | Shield terminal | Model |
|-------------|---|-----------------|--------------|
| Front lock | DIP pins 4.5 mm (for either round holes or solder cups) | No | XS3M-M524-10 |
| | | Yes | XS3M-M524-11 |

Note: Orders are accepted in multiples of the minimum order.

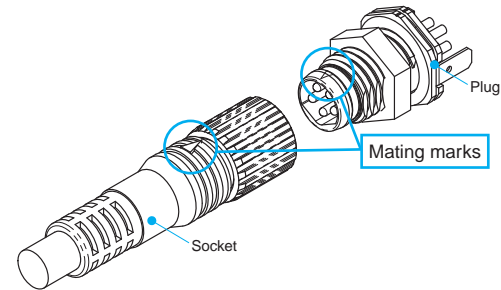
Safety Precautions

In addition to the following information, also refer to *Safety Precautions* on page 19

Precautions for Correct Use

XS3M-M524-□□ Mating

To mate the Connectors, align the mating marks on the Plug and Socket (see following figure), insert the Connectors completely, and tighten the lock nut, being careful not to damage the threads.



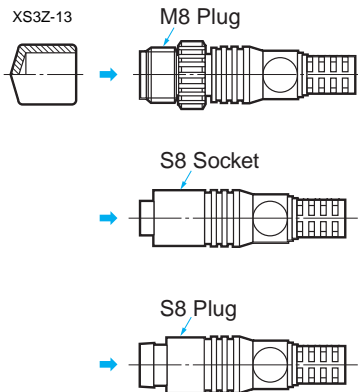
XS3M-M524-□□ Panel Mounting

After you mount the Connector to the panel, attach the nut and tighten it to a suitable torque (0.4 N·m).

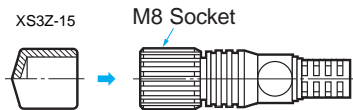
XS3 M8/S8 Connector Cover

Dust Cover

XS3Z-13



XS3Z-15



The Dust Cover is for dust prevention and does not ensure IP67. When mounting the Dust Cover to a Connector, be sure to press the Dust Cover onto the Connector until the Connector is fully inserted into the Dust Cover.

| Model | Material | Suitable connector | |
|---------|---------------|--------------------|------------------|
| | | Model | Mounting portion |
| XS3Z-13 | PVC resin/red | XS3H/XS3W/XS3R | M8 plug |
| | | XS3F/XS3W | S8 socket |
| | | XS3H/XS3W | S8 plug |
| | | XS3M | M8/S8 plug |
| XS3Z-15 | | XS3F/XS3W/XS3R | M8 socket |

XS3R Y-Joint Plug/Socket Connectors

● Screw-on Models (M8)

With Standard Cable:
Without Cable:

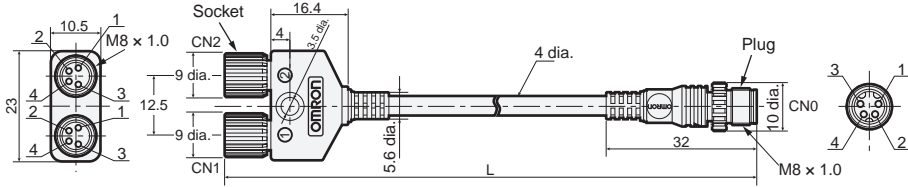
XS3R-M426-1□□□-A
XS3R-M426-□

Dimensions

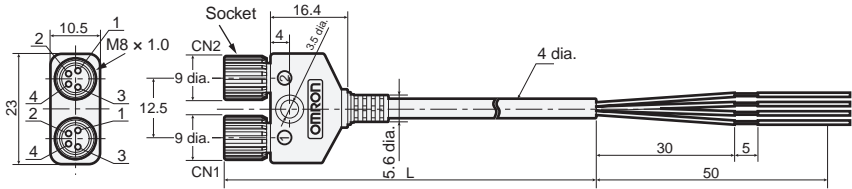
(Unit: mm)

XS3R-M426-1□□□1-A

Connectors on Both Cable Ends (Y-Joint Plug/Socket)

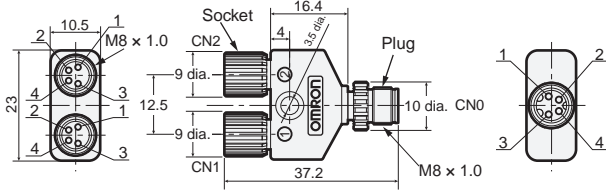


XS3R-M426-1□□□0-A



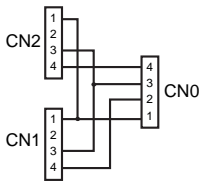
XS3R-M426-□

Connector on Both Ends (Y-Joint Plug/Socket) without Cable

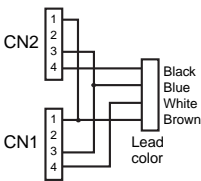


Wiring Diagram

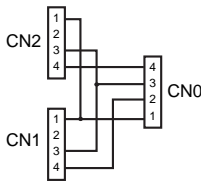
XS3R-M426-1□□□1-A



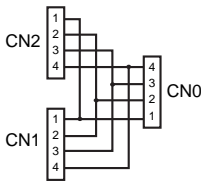
XS3R-M426-1□□□0-A



XS3R-M426-1



XS3R-M426-5



Mating Connectors

| Item | Model |
|----------|----------|
| XS3R(M8) | XS3F(M8) |
| | XS3H(M8) |
| | XS3W(M8) |
| | XS3P(M8) |

Ordering Information

For M8 Connectors

| Cable | Connector | Cable length L (m) | Model | Minimum order |
|------------------|----------------------------------|-----------------------|------------------|------------------|
| With cable | Connectors on both cable ends | 0.5 | XS3R-M426-1C51-A | 5 |
| | | 1 | XS3R-M426-1011-A | |
| | | 2 | XS3R-M426-1021-A | |
| | | 3 | XS3R-M426-1031-A | |
| | Connector on one cable end | 2 | XS3R-M426-1020-A | 10 |
| | | 5 | XS3R-M426-1050-A | |
| Without cable | Connectors on both cable ends | --- | XS3R-M426-1 | 10 |
| | | | XS3R-M426-5 | |

Safety Precautions

Precautions for Correct Use

Do not use the product in atmospheres or environments that exceed product ratings.

Connections

- The XS3 and XS2 Sensor I/O Connectors cannot be connected to each other.
- You cannot mate Connectors that have a different number of poles.
- When using Sensors with Connectors or Limit Switches, use the Sensor I/O Connectors specified in the catalog.
- Do not connect M8 screw models and S8 snap-in models together, otherwise the proper degree of protection of the Connectors will not be maintained.

Connector Connection and Disconnection

- Before connecting or disconnecting Connectors, make sure that no power is being supplied to the Connectors.
- When connecting or disconnecting Connectors, be sure to hold the Connectors by hand. Do not disconnect the Connectors by pulling the cable.
- Do not touch the engagement side of any Connector with wet hands. If there is any water on the Connector or near the Connector, be sure to wipe off the water before connecting or disconnecting the Connector, otherwise the Connector may short-circuit internally or not ensure good insulation.
- Make sure that engagement side of any Connector is free of metal dust or power.
- Do not use pliers to tighten mounting the thread bracket, otherwise the thread bracket may be damaged. Be sure to tighten each thread bracket by hand within a torque of 0.2 N·m. If the thread bracket is not tightened securely, the Connector may not maintain its proper degree of protection or the thread bracket may fall off due to vibration.
- When you tighten or loosen a lock nut, hold onto only the lock nut.
If you hold onto the cover or cable, excessive rotational force will be applied to the Connector and may damage it.
- Fully insert S8 snap-in models until the Connectors are hidden by the metal casing of the opposite parts, otherwise the Connectors will not maintain their proper degree of protection or the thread brackets may become loose due to vibration.

Degree of Protection

- Do not impose external force continuously on the joints of pin blocks and covers, otherwise the Connectors may not keep its proper degree of protection (i.e., IP67).
- Connectors are not fully watertight. Do not use them underwater.
- The Connectors are not oil-resistant. Do not use them where they would be subject to oil.
- If Connectors are used in places with vibration or shock, secure the engaged side of each Connector, otherwise the Connectors may be disconnected or fail to maintain their proper degree of protection.
- Connectors are of resin mold construction. Do not impose excessive force on them.

Storage

Do not store Connectors for long periods of time in the following locations

- Locations subject to dust or high humidity
- Locations subject to ammonia gas or sulfide gas

Installation

- Do not make any cable bends near the base of the Unit.
- Any bends made must have a minimum radius of 36 mm.

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| Proximity sensor, Cable Snap-In Straight / Straight 4thread 5m M8 | 250819 | XS3W-S421-405-R | Buy on EAN |
| Proximity sensor, M8 connector and 2 independent outputs Wired 0.5m - Connector | 249480 | XS3R-M426-1C51-A | Buy on EAN |
| Proximity sensor, Cable Screw-mounting Straight / angled M8 3 wires 2m | 387059 | XS3W-M321-302-R | Buy on EAN |
| Proximity sensor, Cable straight M8 / elbow 5m robotized 4thread | 250814 | XS3W-M423-405-R | Buy on EAN |
| Proximity sensor, straight M8 Cable / 2m robotized layered 4thread | 250813 | XS3W-M423-402-R | Buy on EAN |
| Proximity sensor, Cable Snap-In Straight / Straight 4thread 2m M8 | 250818 | XS3W-S421-402-R | Buy on EAN |
| Proximity sensor, M8 Snap-In Straight Male with robotic cable 4-wire 1m | 250806 | XS3H-S421-401-R | Buy on EAN |
| Proximity sensor, straight M8 Cable / 2m straight robotized 4thread | 107543 | XS3W-M421-402-R | Buy on EAN |

| | | | |
|---|--------|------------------|----------------------------|
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| Proximity sensor, M8 Cable Snap-In cranked / cranked 4thread robotic 2m | 250820 | XS3W-S422-402-R | Buy on EAN |
| Proximity sensor, M8 Snap-In Cable angled / straight 4thread robotic 2m | 250824 | XS3W-S424-402-R | Buy on EAN |
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| Proximity sensor, M8 connector and 2 independent outputs cable 2m - Connector | 249542 | XS3R-M426-1021-A | Buy on EAN |
| Proximity sensor, M8 connector and 2 independent outputs Cable 1m - Connector | 249541 | XS3R-M426-1011-A | Buy on EAN |
| Proximity sensor, M8 connector and 2 independent outputs to leading cable 5m | 249545 | XS3R-M426-1050-A | Buy on EAN |
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