



At the end of this document you will find links to products related to this catalog. You can go directly to our shop by clicking HERE. <u>HERE</u>

CSM_XS3_DS_E_7_1

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	c.)		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	*1 50 N				
Ambient operating temperature range	−25 to 70°C	−25 to 85°C		-25 to 70°C	

^{*1.} Models with cable only

Materials and Finish

Connector

Ту	ре	M8			S8	
Item Mod	lel 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 b	olack			
Contacts	Phosphor bronze/ nickel base, 0.4- µm gold plating	Brass/nickel base 0.4-mm gold plat		Phosphor bronze/ nickel base, 0.4- µm gold plating	Brass/nickel base plating	e, 0.4-μm gold
Thread bracket	Brass/nickel pla	ting or SUS316L	_		Brass/nickel plating	_
Body	_	Brass/nickel plating	Nickel-plated zinc alloy	_		
Shell	_					TPEE
C-Ring	_	— Phosphor bronze/tin pl		_		
Grounding fixture	_		Phosphor bronze/tin plating	-		
Nut	_	Brass/nickel plati	ng	_		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
	Diameter	4 mm dia.		4.7 mm dia.
Standard cable	Cross section area	0.2 mm ² (18 / 0.12 mm dia.)		0.2 mm ² (11/ 0.16 mm dia.)
Vibration-	Diameter	4 mm dia. 0.2 mm ² (40 / 0.08 mm dia.)		_
proof robot cable	Cross section area			_

Pin Arrangement (Engaged Side)

Item	Pins	3 pin	4 pin	5 pin
DC	Plug	40 1 3 0 0	2 ₀ 0 ⁴ 10 03	20 04 10 03
	Socket	3 1 0 0	4 ₀ 0 ² 30 01	40 02 30 01

^{*2.} Except 5poles

Sensor End Using Sensors with Connectors

(M8 Connector Models)

Proximity Sensor (Pre-wired Connector Models)

Proximity Sensor



Fiber Amplifier (Connector models)



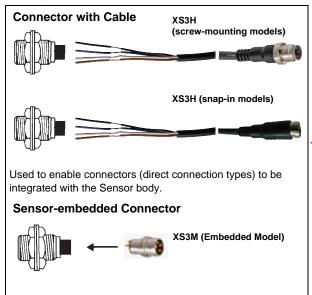


Photoelectric Sensor (Connector models)

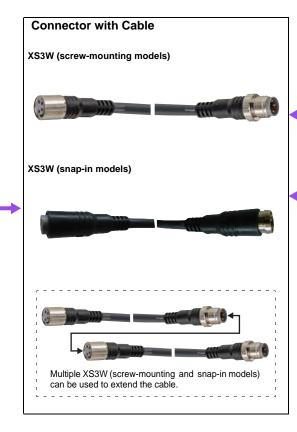
E3Z

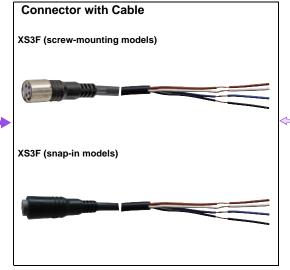


Making Sensors with Cables (Sensor Manufacturers)



Relay Cable





XS3W

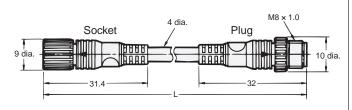


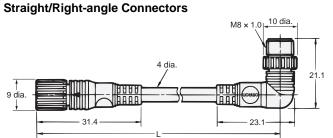
M8 Screw-mounting Connectors with Vibration-proof Robot Cable

XS3W-M2 -- R

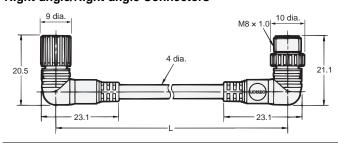
Dimensions (Unit: mm)

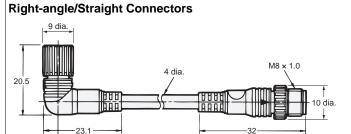
Straight/Straight Connectors





Right-angle/Right-angle Connectors



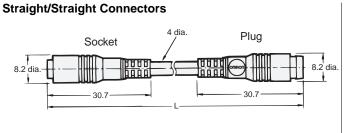


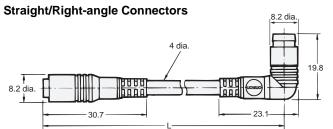
S8 Snap-in Connectors with Vibration-proof Robot Cable

XS3W-S42□-4□□-R

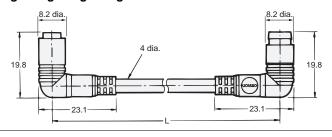
(Unit: mm)

Dimensions

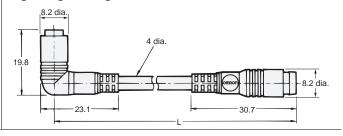




Right-angle/Right-angle Connectors

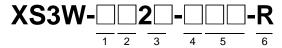


Right-angle/Straight Connectors



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.



1. Fastening Method 3. Cable Connection Direction 4. Connections

2. Connector Poles

3: 3 poles

4: 4 poles

M: M8 S: S8

- 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)

Pin No. 1 4 3: Brown Blue Black

Pin No.

4: Brown White Blue Black

5. Cable Length

01: 1 m 02: 2 m

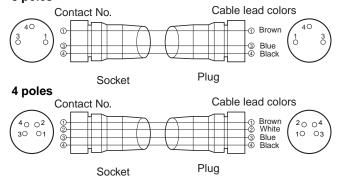
05: 5 m

6. Cable Specifications

R: Vibration-proof robot cable

Wiring Diagram/Engaged Side

3 poles



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	
		1	XS3W-M321-301-R	
3	Straight/Straight	2	XS3W-M321-302-R	
		5	XS3W-M321-305-R	
		1	XS3W-M421-401-R	
	Straight/Straight	Straight/Straight 2	2	XS3W-M421-402-R
		5	XS3W-M421-405-R	
	Dight on glo/Dight on glo	2	XS3W-M422-402-R	
4	Right-angle/Right-angle	5	XS3W-M422-405-R	
	Straight/Right-angle	2	XS3W-M423-402-R	
		5	XS3W-M423-405-R	
	Dight angle/Straight	2	XS3W-M424-402-R	
	Right-angle/Straight	5	XS3W-M424-405-R	

S8 Snap-in Connectors

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

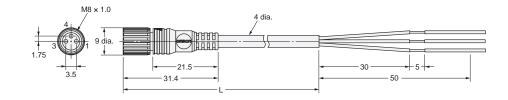
XS3F-M32□-3□□-□

(Unit: mm)

Straight Connectors

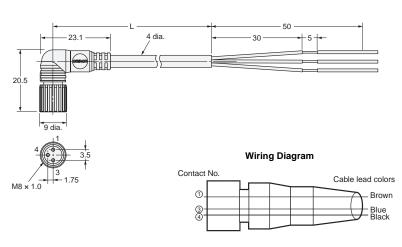
Dimensions





Right-angle Connectors





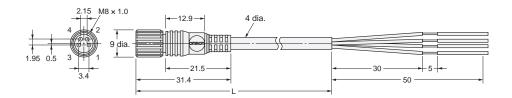
● M8 4 pin Screw-on Cables with Vibration-proof Robot Cable/Standard Cable

XS3F-U42U-4UU-U

Dimensions (Unit: mm)

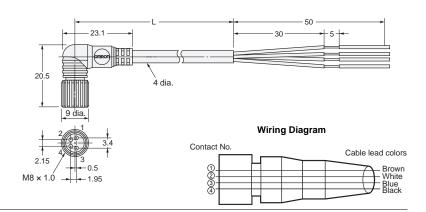
Straight Connectors





Right-angle Connectors

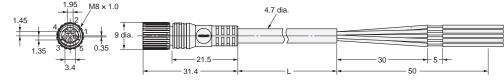




Dimensions (Unit: mm)

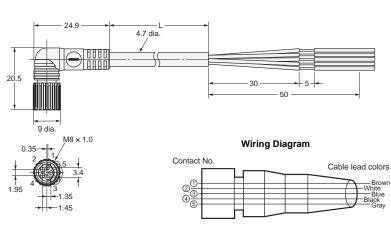
Straight Connectors





Right-angle Connectors





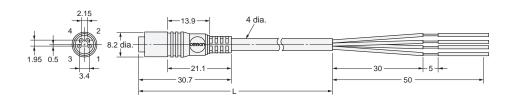
S8 Snap-in Connectors with Vibration-proof Robot Cable

XS3F-S42□-4□□-R

Dimensions (Unit: mm)

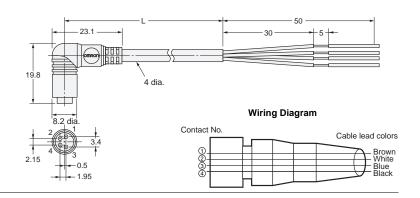
Straight Connectors





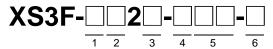
Right-angle Connectors





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*.



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.

1 3 4

3: Brown Blue Black

Pin No.

① ② ③ ④

4: Brown White Blue Black

Pin No.

5: Brown White Blue Black Gray

3

4

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
XS	3F(M8)	XS3M (M8/S8), XS3H (M8), XS3W (M8)
XS	3F(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
		Ctroight	2	XS3F-M321-302-A
	Standard cable	Straight	5	XS3F-M321-305-A
	Standard Cable	Right-angle	2	XS3F-M322-302-A
0		Right-angle	5	XS3F-M322-305-A
3		Straight	2	XS3F-M321-302-R
	Vibration-proof robot cable	Straight	5	XS3F-M321-305-R
	Vibration-proof robot cable	Right-angle	2	XS3F-M322-302-R
		Right-angle	5	XS3F-M322-305-R
		Straight	2	XS3F-M421-402-A
	Standard cable	Straight	5	XS3F-M421-405-A
	Right-angle	Pight-angle	2	XS3F-M422-402-A
		Rigint-arigie	5	XS3F-M422-405-A
		Straight	1	XS3F-M421-401-R
	Vibration-proof robot cable		2	XS3F-M421-402-R
4			5	XS3F-M421-405-R
4	Vibration-proof robot cable	Right-angle	1	XS3F-M422-401-R
			2	XS3F-M422-402-R
			5	XS3F-M422-405-R
	Chr	Straight	2	XS3F-E421-402-A
	Standard SUS316L cable lock	Straight	5	XS3F-E421-405-A
	Standard SOSSTOL Cable lock	Right-angle	2	XS3F-E422-402-A
		Kigitt-aligie	5	XS3F-E422-405-A
			2	XS3F-M521-502-A
		Straight	5	XS3F-M521-505-A
E	Standard cable		10	XS3F-M521-510-A
5	Standard Cable		2	XS3F-M522-502-A
		Right-angle	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
		Straight Right-angle	1	XS3F-S421-401-R
			2	XS3F-S421-402-R
4	Vibration-proof robot cable		5	XS3F-S421-405-R
4	4 Vibration-proof robot cable		1	XS3F-S422-401-R
			2	XS3F-S422-402-R
			5	XS3F-S422-405-R

XS3H Plugs on One Cable End

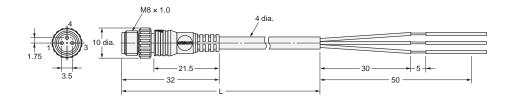
M8 3 pin Screw-on Connectors with Vibration-proof Robot Cable

XS3H-M321-3□□-R

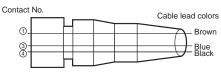
Dimensions (Unit: mm)

Straight Connectors





Wiring Diagram



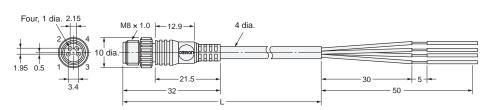
■ M8 4 pin Screw-on Connectors with Vibration-proof Robot Cable

XS3H-M42□-4□□-R

Dimensions (Unit: mm)

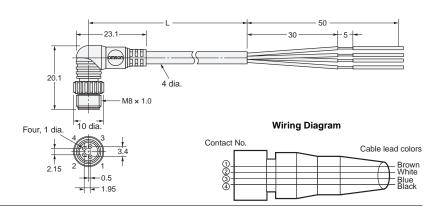
Straight Connectors





Right-angle Connectors

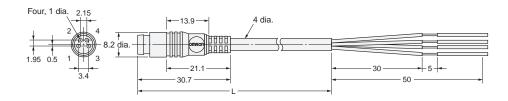




Dimensions (Unit: mm)

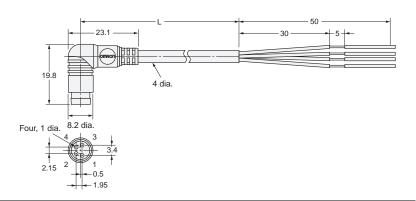
Straight Connectors





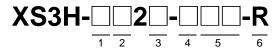
Right-angle Connectors





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.



- 1. Fastening Method
- 3. Cable Connection Direction 5. Cable Length

M: M8 S: S8

1: Straight

C3: 0.3 m 01: 1 m

2. Connector Poles

2: Right-angle 4. Connections

6. Cable Specifications

3: 3 poles

4: 4 poles

Pin No. (1) (3)

3: Brown Blue Black

Pin No.

4: Brown White Blue Black

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

Ordering Information

M8 Screw-on Connectors

No. of cable cores	Cable connection direction	Cable length L (m)	Model
2	Straight	0.3	XS3H-M321-3C3-R
3	Straight	1	XS3H-M321-301-R
	Straight 4 Right-angle	0.3	XS3H-M421-4C3-R
4		1	XS3H-M421-401-R
4		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
	Straight	0.3	XS3H-S421-4C3-R
1		1	XS3H-S421-401-R
4	Right-angle	0.3	XS3H-S422-4C3-R
		1	XS3H-S422-401-R

XS3P Panel-mounting Sockets for Terminal Boxes

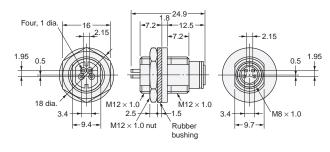
- M8 Screw-mounting Sockets with DIP Pins
- M8 Screw-mounting Sockets with Solder Cup Pins
- M8 Screw-mounting Sockets with Solder Cup Pins

XS3P-M421-1 XS3P-M421-2

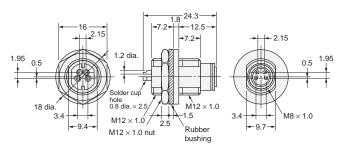
XS3P-M422-2

Dimensions (Unit: mm)

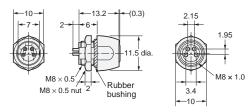
XS3P-M421-1 (DIP Pins) Front lock or rear lock



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



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



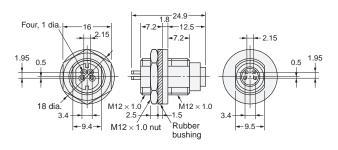
S8 Snap-in Sockets with DIP Pins

S8 Snap-in Sockets with Solder Cup Pins

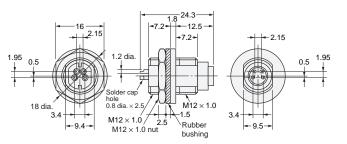
XS3P-S421-1 XS3P-S421-2

Dimensions (Unit: mm)

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



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



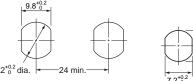
Mounting Dimensions for XS3P Screw-on Models and Snap-in Models

(Unit: mm)

Panel Cutouts

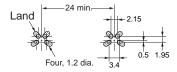
XS3P-□421-□

XS3P-M422-2



Note: The panel thickness is 1 to 3 mm.

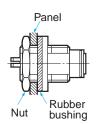
PCB-mounting Dimensions

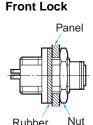


Note: The panel thickness is 2.4 mm maximum.

Panel-mounting Dimensions

Rear Lock





bushing

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
	Front lock or rear lock	DIP pins	XS3P-M421-1	
M8 screw-mounting	Front lock of real lock	Solder cup pins	XS3P-M421-2	
	Rear lock	Solder cup pins	XS3P-M422-2	50
S8 snap-in	Front lock or rear lock	DIP pins	XS3P-S421-1	=
	FIGHT IOCK OF TEAT IOCK	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

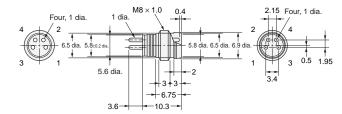
XS3M-K421-1 XS3M-K421-2

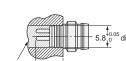
Dimensions (Unit: mm)

XS3M-K421-1

Embedded Model with DIP Pins







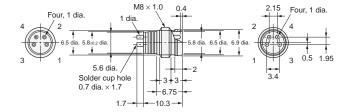
7.2 (min)

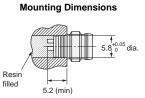
Mounting Dimensions

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
Lilibeaded filodei	Solder cup pins	XS3M-K421-2	200

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

XS3M Panel-mounting Plugs

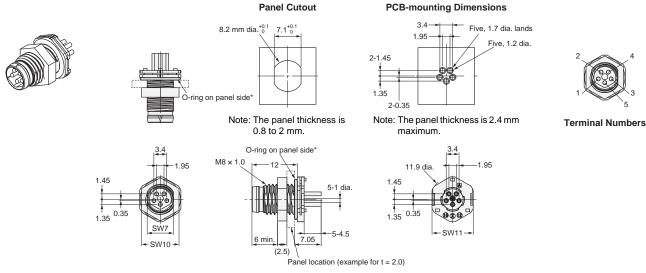
● Front lock DIP pins (5 pins)

XS3M-M524-□□

Dimensions (Unit: mm)

XS3M-M524-10

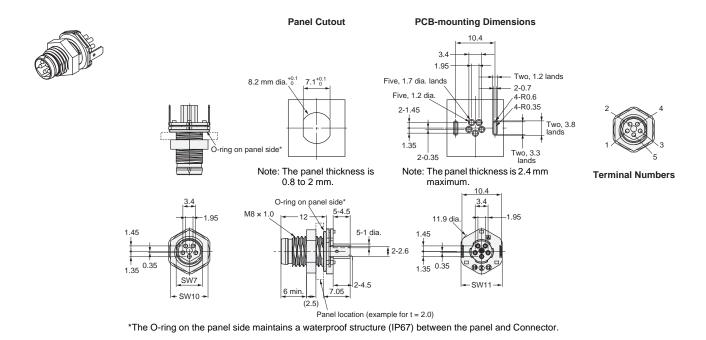
Front Lock with DIP Pins 4.5 mm (for Either Round Holes or Solder Cups), Without Shield Terminal



^{*}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



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	No	XS3M-M524-10
1 TOTAL TOCK	or solder cups)	Yes	XS3M-M524-11

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

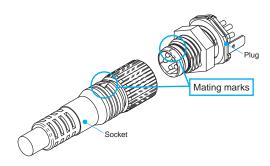
Safety Precautions

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.



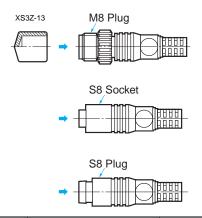
XS3M-M524-□□ Panel Mounting

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

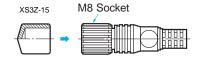
XS3 M8/S8 Connector Cover

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.

Material	Suitable connector			
	Model	Mounting portion		
PVC resin/red	XS3H/XS3W/XS3R	M8 plug		
	XS3F/XS3W	S8 socket		
	XS3H/XS3W	S8 plug		
	XS3M	M8/S8 plug		
	XS3F/XS3W/XS3R	M8 socket		
		Material Model XS3H/XS3W/XS3R XS3F/XS3W XS3F/XS3W XS3H/XS3W XS3M XS3M		

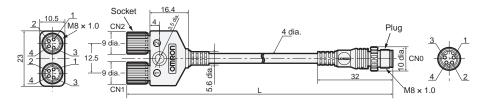
XS3R Y-Joint Plug/Socket Connectors

● Screw-on Models (M8) With Standard Cable: XS3R-M426-1□□-A Without Cable: XS3R-M426-□

Dimensions (Unit: mm)

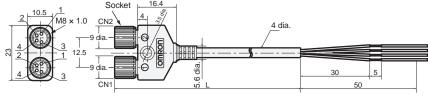
XS3R-M426-1□□1-A

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



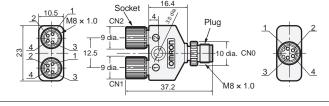
XS3R-

M426-1□□0-A



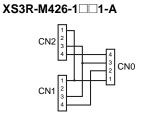
XS3R-M426-□

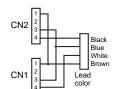
Connector on Both Ends (Y-Joint Plug/Socket) without Cable

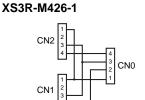


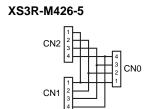
XS3R-M426-1□□0-A

Wiring Diagram









Mating Connectors

Item	Model
	XS3F(M8)
VC2D(M0)	XS3H(M8)
XS3R(M8)	XS3W(M8)
	XS3P(M8)

Ordering Information

For M8 Connectors

Cable	Connector	Cable length L (m)	Model	Minimum order
		0.5	XS3R-M426-1C51-A	
	Connectors on both	1	XS3R-M426-1011-A	
With		2	XS3R-M426-1021-A	_
cable		3	XS3R-M426-1031-A	5
		2	XS3R-M426-1020-A	1
		5	XS3R-M426-1050-A	
Without Connectors on both			XS3R-M426-1	40
cable	cable ends		XS3R-M426-5	10

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.

Terms and Conditions Agreement

Read and understand this catalog.

Please read and understand this catalog before purchasing the products. Please consult your OMRON representative if you have any questions or comments.

Warranties.

- (a) Exclusive Warranty. Omron's exclusive warranty is that the Products will be free from defects in materials and workmanship for a period of twelve months from the date of sale by Omron (or such other period expressed in writing by Omron). Omron disclaims all other warranties, express or implied.
- (b) Limitations. OMRON MAKES NO WARRANTY OR REPRESENTATION, EXPRESS OR IMPLIED, ABOUT NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OF THE PRODUCTS. BUYER ACKNOWLEDGES THAT IT ALONE HAS DETERMINED THAT THE

PRODUCTS WILL SUITABLY MEET THE REQUIREMENTS OF THEIR INTENDED USE.

Omron further disclaims all warranties and responsibility of any type for claims or expenses based on infringement by the Products or otherwise of any intellectual property right. (c) Buyer Remedy. Omron's sole obligation hereunder shall be, at Omron's election, to (i) replace (in the form originally shipped with Buyer responsible for labor charges for removal or replacement thereof) the non-complying Product, (ii) repair the non-complying Product, or (iii) repay or credit Buyer an amount equal to the purchase price of the non-complying Product; provided that in no event shall Omron be responsible for warranty, repair, indemnity or any other claims or expenses regarding the Products unless Omron's analysis confirms that the Products were properly handled, stored, installed and maintained and not subject to contamination, abuse, misuse or inappropriate modification. Return of any Products by Buyer must be approved in writing by Omron before shipment. Omron Companies shall not be liable for the suitability or unsuitability or the results from the use of Products in combination with any electrical or electronic components, circuits, system assemblies or any other materials or substances or environments. Any advice, recommendations or information given orally or in writing, are not to be construed as an amendment or addition to the above warranty.

See http://www.omron.com/global/ or contact your Omron representative for published information.

Limitation on Liability; Etc.

OMRON COMPANIES SHALL NOT BE LIABLE FOR SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, LOSS OF PROFITS OR PRODUCTION OR COMMERCIAL LOSS IN ANY WAY CONNECTED WITH THE PRODUCTS, WHETHER SUCH CLAIM IS BASED IN CONTRACT, WARRANTY, NEGLIGENCE OR STRICT LIABILITY.

Further, in no event shall liability of Omron Companies exceed the individual price of the Product on which liability is asserted.

Suitability of Use.

Omron Companies shall not be responsible for conformity with any standards, codes or regulations which apply to the combination of the Product in the Buyer's application or use of the Product. At Buyer's request, Omron will provide applicable third party certification documents identifying ratings and limitations of use which apply to the Product. This information by itself is not sufficient for a complete determination of the suitability of the Product in combination with the end product, machine, system, or other application or use. Buyer shall be solely responsible for determining appropriateness of the particular Product with respect to Buyer's application, product or system. Buyer shall take application responsibility in all cases.

NEVER USE THE PRODUCT FOR AN APPLICATION INVOLVING SERIOUS RISK TO LIFE OR PROPERTY OR IN LARGE QUANTITIES WITHOUT ENSURING THAT THE SYSTEM AS A WHOLE HAS BEEN DESIGNED TO ADDRESS THE RISKS, AND THAT THE OMRON PRODUCT(S) IS PROPERLY RATED AND INSTALLED FOR THE INTENDED USE WITHIN THE OVERALL EQUIPMENT OR SYSTEM.

Programmable Products.

Omron Companies shall not be responsible for the user's programming of a programmable Product, or any consequence thereof.

Performance Data.

Data presented in Omron Company websites, catalogs and other materials is provided as a guide for the user in determining suitability and does not constitute a warranty. It may represent the result of Omron's test conditions, and the user must correlate it to actual application requirements. Actual performance is subject to the Omron's Warranty and Limitations of Liability.

Change in Specifications.

Product specifications and accessories may be changed at any time based on improvements and other reasons. It is our practice to change part numbers when published ratings or features are changed, or when significant construction changes are made. However, some specifications of the Product may be changed without any notice. When in doubt, special part numbers may be assigned to fix or establish key specifications for your application. Please consult with your Omron's representative at any time to confirm actual specifications of purchased Product.

<u>Errors and Omissions.</u> <u>Information presented by Omron Companies has been checked and is believed to be accurate; however, no responsibility is accurate.</u> assumed for clerical, typographical or proofreading errors or omissions.

2013.7

In the interest of product improvement, specifications are subject to change without notice.







Below is a list of articles with direct links to our shop Electric Automation Network where you can see:

- Quote per purchase volume in real time.
- Online documentation and datasheets of all products.
- Estimated delivery time enquiry in real time.
- Logistics systems for the shipment of materials almost anywhere in the world.
- Purchasing management, order record and tracking of shipments.

To access the product, click on the green button.

Product	Code	Reference	Product link
Proximity sensor, Straight 5m cable 4-wire M8 Robotizado	107621	XS3F-M421-405- R	Buy on EAN
Proximity sensor, Cable Snap-In Straight / Straight 1m M8 4thread	250817	XS3W- S421-401-R	Buy on EAN
Proximity sensor, M8 Cable angled / straight 5m robotized 4thread	250816	XS3W- M424-405-R	Buy on EAN
Proximity sensor, angled M8 Cable / 2m straight robotized 4thread	250815	XS3W- M424-402-R	Buy on EAN
Proximity sensor, M8 Cable cranked / cranked 4thread robotized 5m	250812	XS3W- M422-405-R	Buy on EAN
Proximity sensor, M8 Cable cranked / cranked 4thread robotic 2m	250811	XS3W- M422-402-R	Buy on EAN
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

Proximity sensor, Cable straight M8 / 5m straight robotized 4thread	107544	XS3W- M421-405-R	Buy on EAN
Proximity sensor, Straight 2m cable 4-wire M8 Robotizado	156301	XS3F-M421-402- R	Buy on EAN
Proximity sensor, Cable Screw-mounting Straight / angled M8 3 wires 1m	387058	XS3W- M321-301-R	Buy on EAN
Proximity sensor, M8 Cable Snap-In Straight / cranked 4thread robotic 2m	250822	XS3W- S423-402-R	Buy on EAN
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
Proximity sensor, M8 male with robotic Straight 1m cable 4 wires	250798	XS3H- M421-401-R	Buy on EAN
Proximity sensor, M8 male with 4-wire Right Angle Cable robotic 0.3m	250799	XS3H- M422-4C3-R	Buy on EAN
Proximity sensor, M8 male with 4-wire Cable Straight 0.3m robotic	250797	XS3H- M421-4C3-R	Buy on EAN
Proximity sensor, M8 connector and parallel outputs OR	249479	XS3R-M426-5	Buy on EAN
Proximity sensor, M8 connector and 2 independent outputs	107541	XS3R-M426-1	Buy on EAN
Proximity sensor, Cable straight M8 / Straight 1m robotized 4thread	107542	XS3W- M421-401-R	Buy on EAN
Proximity sensor, M8 connector and 2 independent outputs cable 3m - Connector	249543	XS3R- M426-1031-A	Buy on EAN
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
Proximity sensor, M8 connector and 2 independent outputs to leading cable 2m	249544	XS3R- M426-1020-A	Buy on EAN
Proximity sensor, M8 male with 4-wire robotic Layered Cable 1m	250800	XS3H- M422-401-R	Buy on EAN
Proximity sensor, M8 cable wires 2m Acodado3 Connect. SUS316L	250789	XS3F-E422-402- A	Buy on EAN
Proximity sensor, panel mount connector 4h welding	250952	XS3M-K421-2	Buy on EAN
Proximity sensor, Wired Right Angle 4-wire M8 5m Robotizado	107623	XS3F-M422-405- R	Buy on EAN
Proximity sensor, Right Angle 4-wire Wired 2m M8 Robotizado	107622	XS3F-M422-402- R	Buy on EAN
Proximity sensor, M8 Cable Snap-In Straight / cranked 4thread robotized 5m	250823	XS3W- S423-405-R	Buy on EAN

Proximity sensor, M8 Cable Snap-In cranked / cranked 4thread robotized 5m	250821	XS3W- S422-405-R	Buy on EAN
Proximity sensor, M8 Snap-In Cable angled / straight 5m robotized 4thread	250825	XS3W- S424-405-R	Buy on EAI
Proximity sensor, M8 Straight 2m cable 3 wire Connect. SUS316L	250787	XS3F-E421-402- A	Buy on EAI
Proximity sensor, Cable Screw-mounting Straight / angled M8 5m 3 wires	355020	XS3W- M321-305-R	Buy on EAI