Dimensions

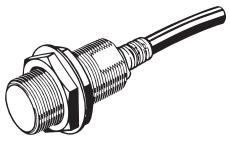
(Unit: mm)
Tolerance class IT16 applies to dimensions in this data sheet unless otherwise specified.

Sensors

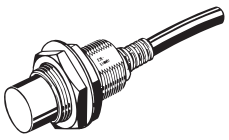
DC 2-Wire

No Self-diagnosis Output, PUR Cable models

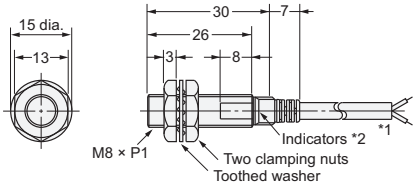
Pre-wired Models (Shielded)



Pre-wired Connector Models (Shielded)

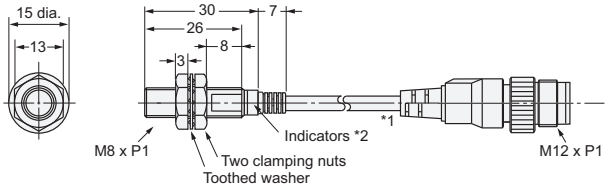


E2E-X2D□-U



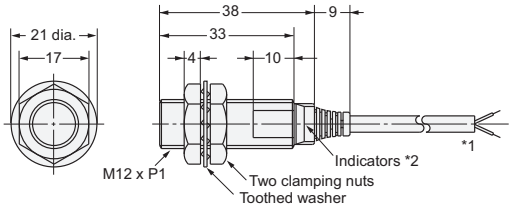
*1. 4-dia. polyurethane-insulated round cable with 2 conductors (Conductor cross section: 0.3 mm², Insulator diameter: 1.3 mm), Standard length: 2 m
The cable can be extended up to 200 m (separate metal conduit).
*2. D1 Models: Operation indicator (red) and setting indicator (green),
D2 Models: Operation indicator (red)

E2E-X2D□-M1TGJ-U



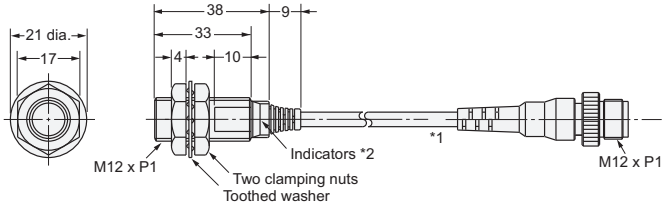
*1. 4-dia. Polyurethane insulated round cable, Standard length: 0.3 m
*2. D1 Models: Operation indicator (red) and Setting indicator (green), D2 Models: Operation indicator (red)

E2E-X3D□-U



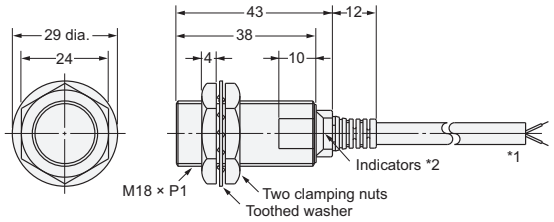
*1. 4-dia. polyurethane-insulated round cable with 2 conductors (Conductor cross section: 0.3 mm², Insulator diameter: 1.3 mm), Standard length: 2 m
The cable can be extended (separate metal conduit) up to 200 m for the control output.
*2. D1 Models: Operation indicator (red) and setting indicator (green),
D2 Models: Operation indicator (red)

E2E-X3D□-M1TGJ-U



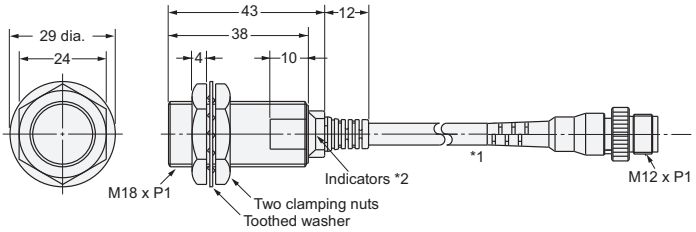
*1. 4-dia. Polyurethane insulated round cable, Standard length: 0.3 m
*2. D1 Models: Operation indicator (red) and Setting indicator (green), D2 Models: Operation indicator (red)

E2E-X7D□-U



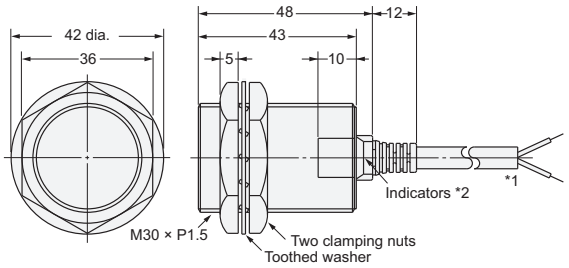
*1. 6-dia. polyurethane-insulated round cable with 2 conductors (Conductor cross section: 0.5 mm², Insulator diameter: 1.9 mm), Standard length: 2 m
The cable can be extended (separate metal conduit) up to 200 m for the control output.
*2. D1 Models: Operation indicator (red) and setting indicator (green),
D2 Models: Operation indicator (red)

E2E-X7D□-M1TGJ-U



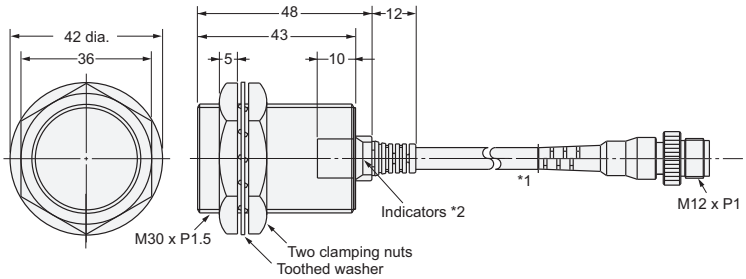
*1. 6-dia. Polyurethane insulated round cable, Standard length: 0.3 m
*2. D1 Models: Operation indicator (red) and Setting indicator (green), D2 Models: Operation indicator (red)

E2E-X10D□-U



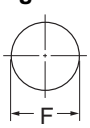
*1. 6-dia. polyurethane-insulated round cable with 2 conductors (Conductor cross section: 0.5 mm², Insulator diameter: 1.9 mm), Standard length: 2 m
The cable can be extended (separate metal conduit) up to 200 m for the control output.
*2. D1 Models: Operation indicator (red) and setting indicator (green),
D2 Models: Operation indicator (red)

E2E-X10D□-M1TGJ-U



*1. 6-dia. Polyurethane insulated round cable, Standard length: 0.3 m
*2. D1 Models: Operation indicator (red) and Setting indicator (green), D2 Models: Operation indicator (red)

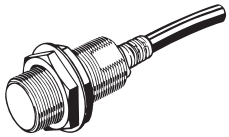
Mounting Hole Dimensions



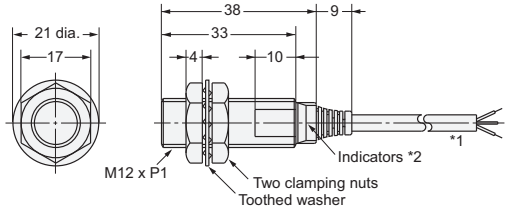
Dimensions	M8	M12	M18	M30
F (mm)	$8.5^{+0.5}_{0}$ dia.	$12.5^{+0.5}_{0}$ dia.	$18.5^{+0.5}_{0}$ dia.	$30.5^{+0.5}_{0}$ dia.

DC 2-Wire
Self-diagnosis Output models

Pre-wired Models (Shielded)

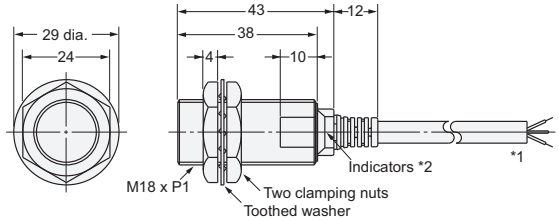


E2E-X3D1S



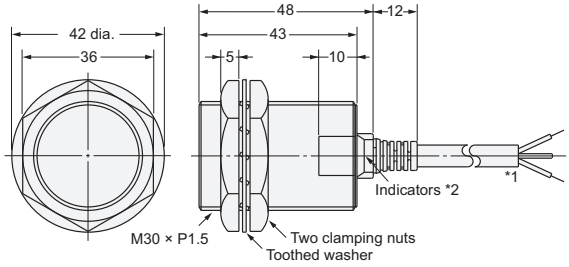
*1. 4-dia. polyurethane-insulated round cable with 3 conductors (Conductor cross section: 0.3 mm², Insulator diameter: 1.3 mm), Standard length: 2 m
The cable can be extended (separate metal conduit) up to 200 m for the control output and up to 100 m for the diagnostic output.
*2. Operation indicator (red) and setting indicator (green)

E2E-X7D1S



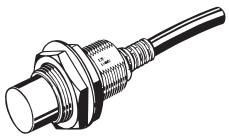
*1. 6-dia. polyurethane-insulated round cable with 3 conductors (Conductor cross section: 0.5 mm², Insulator diameter: 1.9 mm), Standard length: 2 m
The cable can be extended (separate metal conduit) up to 200 m for the control output and up to 100 m for the diagnostic output.
*2. Operation indicator (red) and setting indicator (green)

E2E-X10D1S

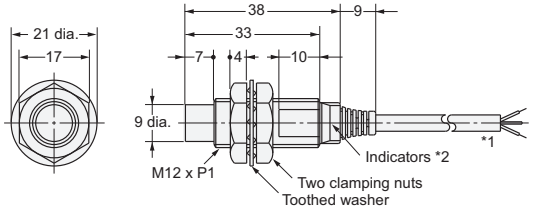


*1. 6-dia. polyurethane-insulated round cable with 3 conductors (Conductor cross section: 0.5 mm², Insulator diameter: 1.9 mm), Standard length: 2 m
The cable can be extended (separate metal conduit) up to 200 m for the control output and up to 100 m for the diagnostic output.
*2. Operation indicator (red) and setting indicator (green)

Pre-wired Models (Unshielded)

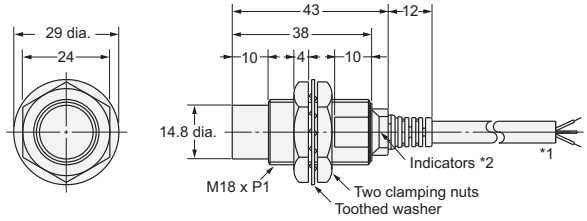


E2E-X8MD1S



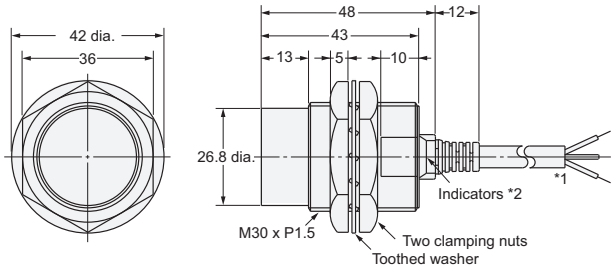
*1. 4-dia. polyurethane-insulated round cable with 3 conductors (Conductor cross section: 0.3 mm², Insulator diameter: 1.3 mm), Standard length: 2 m
The cable can be extended (separate metal conduit) up to 200 m for the control output and up to 100 m for the diagnostic output.
*2. Operation indicator (red) and setting indicator (green)

E2E-X14MD1S



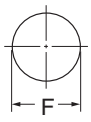
*1. 6-dia. polyurethane-insulated round cable with 3 conductors (Conductor cross section: 0.5 mm², Insulator diameter: 1.9 mm), Standard length: 2 m
The cable can be extended (separate metal conduit) up to 200 m for the control output and up to 100 m for the diagnostic output.
*2. Operation indicator (red) and setting indicator (green)

E2E-X20MD1S



*1. 6-dia. polyurethane-insulated round cable with 3 conductors (Conductor cross section: 0.5 mm², Insulator diameter: 1.9 mm), Standard length: 2 m
The cable can be extended (separate metal conduit) up to 200 m for the control output and up to 100 m for the diagnostic output.
*2. Operation indicator (red) and setting indicator (green)

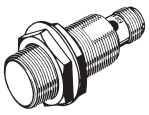
Mounting Hole Dimensions



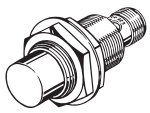
Dimension	M12	M18	M30
F (mm)	$12.5^{+0.5}_{0}$ dia.	$18.5^{+0.5}_{0}$ dia.	$30.5^{+0.5}_{0}$ dia.

Sensors
DC 2-Wire
Self-diagnosis Output models

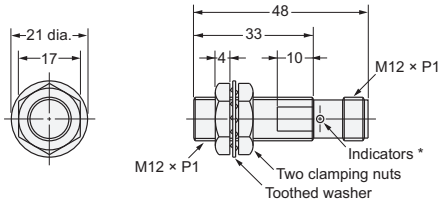
M12 Connector Models (Shielded)



M12 Connector Models (Unshielded)

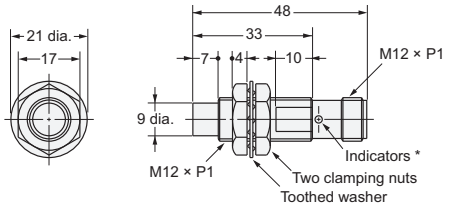


E2E-X3D1S-M1



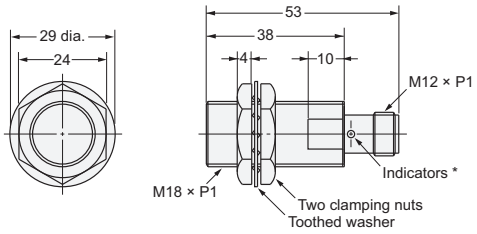
* Operation indicator (red), Setting indicator (green)

E2E-X8MD1S-M1



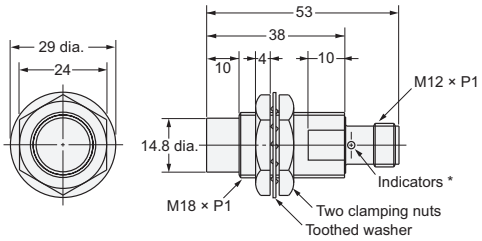
* Operation indicator (red), Setting indicator (green)

E2E-X7D1S-M1



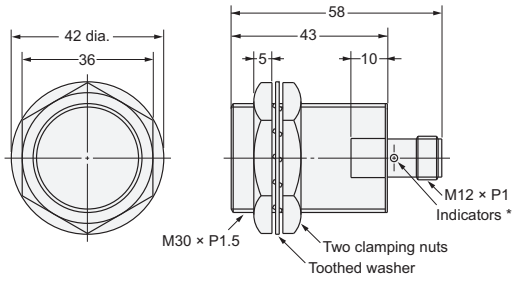
* Operation indicator (red), Setting indicator (green)

E2E-X14MD1S-M1



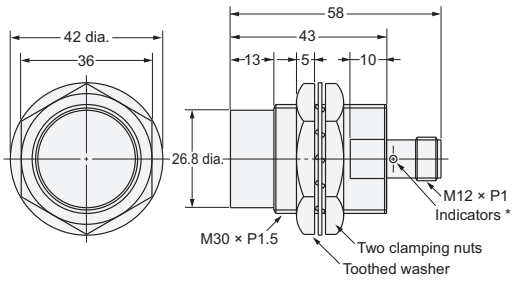
* Operation indicator (red), Setting indicator (green)

E2E-X10D1S-M1



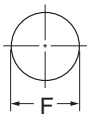
* Operation indicator (red), Setting indicator (green)

E2E-X20MD1S-M1



* Operation indicator (red), Setting indicator (green)

Mounting Hole Dimensions

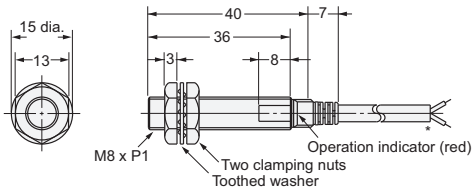


Dimension	M12	M18	M30
F (mm)	$12.5^{+0.5}_{0}$ dia.	$18.5^{+0.5}_{0}$ dia.	$30.5^{+0.5}_{0}$ dia.

AC 2-Wire

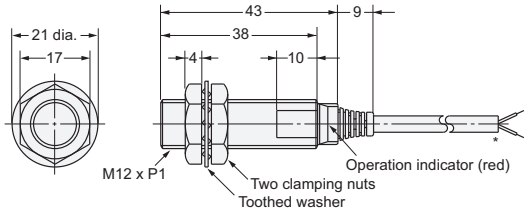
Pre-wired Models (Shielded)

E2E-X1R5Y☐



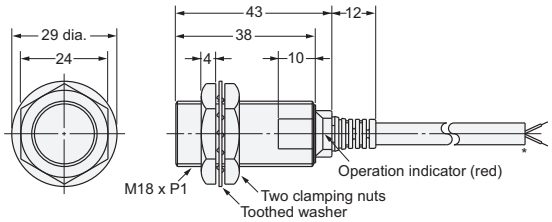
* 4-dia. vinyl-insulated round cable with 2 conductors (Conductor cross section: 0.3 mm², Insulator, diameter: 1.3 mm), Standard length: 2 m
The cable can be extended up to 200 m (separate metal conduit).

E2E-X2Y☐



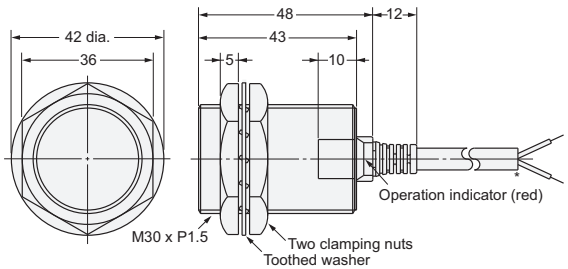
* 4-dia. vinyl-insulated round cable with 2 conductors (Conductor cross section: 0.3 mm², Insulator, diameter: 1.3 mm), Standard length: 2 m
The cable can be extended up to 200 m (separate metal conduit).

E2E-X5Y☐



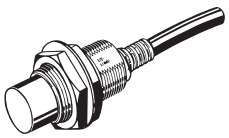
* 6-dia. vinyl-insulated round cable with 2 conductors (Conductor cross section: 0.5 mm², Insulator, diameter: 1.9 mm), Standard length: 2 m
The cable can be extended up to 200 m (separate metal conduit).

E2E-X10Y☐

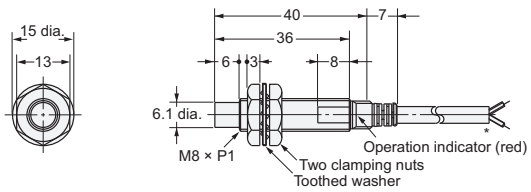


* 6-dia. vinyl-insulated round cable with 2 conductors (Conductor cross section: 0.5 mm², Insulator, diameter: 1.9 mm), Standard length: 2 m
The cable can be extended up to 200 m (separate metal conduit).

Pre-wired Models (Unshielded)

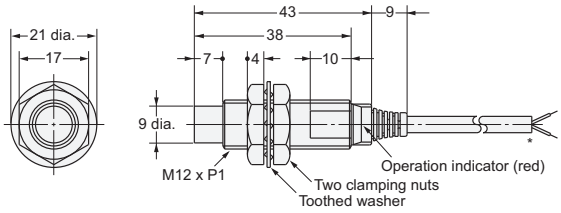


E2E-X2MY☐



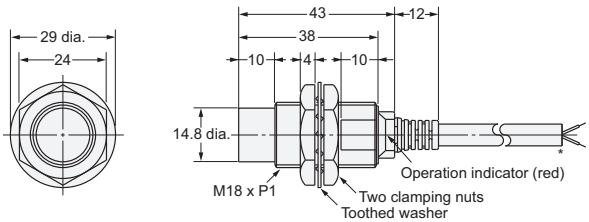
* 4-dia. vinyl-insulated round cable with 2 conductors (Conductor cross section: 0.3 mm², Insulator, diameter: 1.3 mm), Standard length: 2 m
The cable can be extended up to 200 m (separate metal conduit).

E2E-X5MY☐



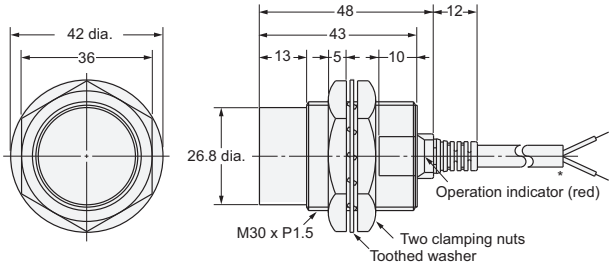
* 4-dia. vinyl-insulated round cable with 2 conductors (Conductor cross section: 0.3 mm², Insulator, diameter: 1.3 mm), Standard length: 2 m
The cable can be extended up to 200 m (separate metal conduit).

E2E-X10MY☐



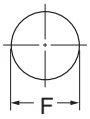
* 6-dia. vinyl-insulated round cable with 2 conductors (Conductor cross section: 0.5 mm², Insulator, diameter: 1.9 mm), Standard length: 2 m
The cable can be extended up to 200 m (separate metal conduit).

E2E-X18MY☐



* 6-dia. vinyl-insulated round cable with 2 conductors (Conductor cross section: 0.5 mm², Insulator, diameter: 1.9 mm), Standard length: 2 m
The cable can be extended up to 200 m (separate metal conduit).

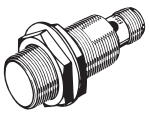
Mounting Hole Dimensions



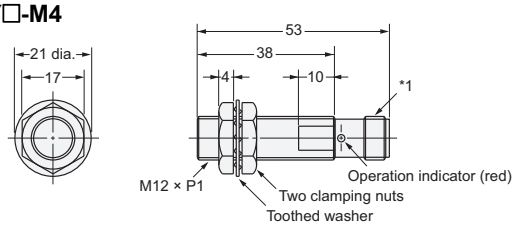
Dimensions	M8	M12	M18	M30
F (mm)	$8.5^{+0.5}_{0}$ dia.	$12.5^{+0.5}_{0}$ dia.	$18.5^{+0.5}_{0}$ dia.	$30.5^{+0.5}_{0}$ dia.

Sensors
AC 2-Wire

M12 Connector Models (Shielded)

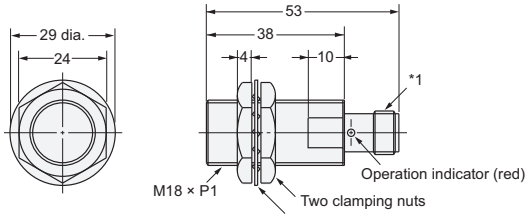


E2E-X2Y□-M1
E2E-X2Y□-M4



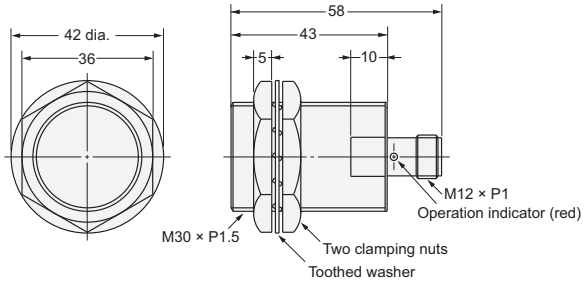
*1. M1 Connector models: M12 × P1
M4 Connector models: 1/2-20UNF-2A

E2E-X5Y□-M1
E2E-X5Y□-M4

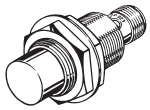


*1. M1 Connector models: M12 × P1
M4 Connector models: 1/2-20UNF-2A

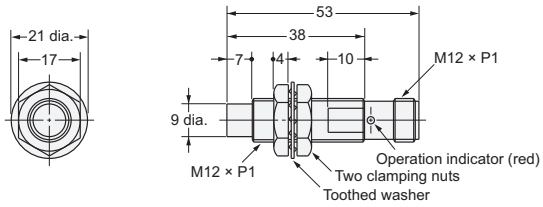
E2E-X10Y□-M1



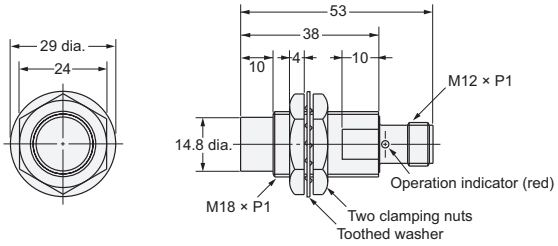
M12 Connector Models (Unshielded)



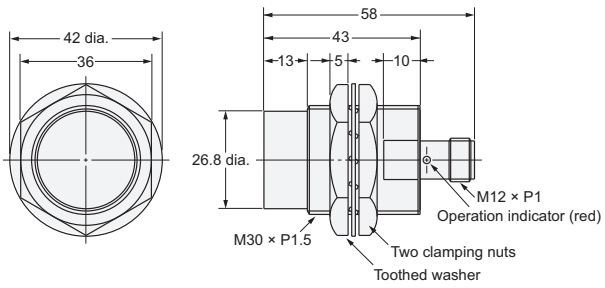
E2E-X5MY□-M1



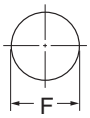
E2E-X10MY□-M1



E2E-X18MY□-M1

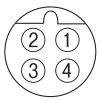
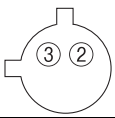


Mounting Hole Dimensions



Dimension	M12	M18	M30
F (mm)	$12.5^{+0.5}_{0}$ dia.	$18.5^{+0.5}_{0}$ dia.	$30.5^{+0.5}_{0}$ dia.

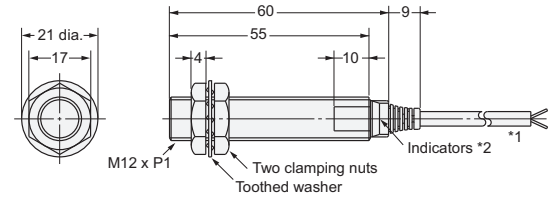
Connector Pin Arrangement

M1 Connector model	M4 Connector model
	

AC/DC 2-Wire

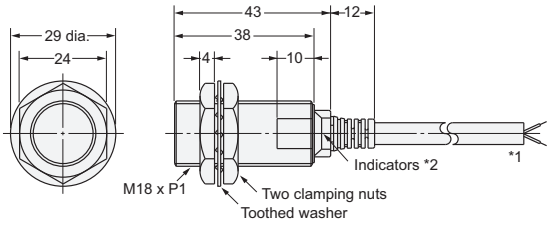
Pre-wired Models (Shielded)

E2E-X3T1



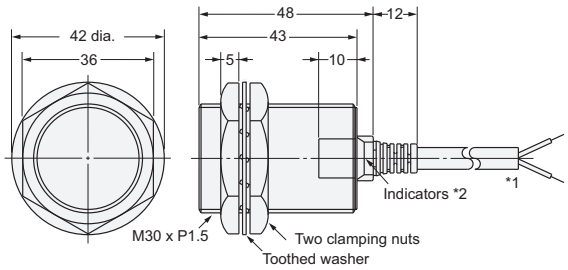
*1. 4-dia. vinyl-insulated round cable with 2 conductors (Conductor cross section: 0.3 mm², Insulator diameter: 1.3 mm), Standard length: 2 m
The cable can be extended up to 200 m (separate metal conduit).
*2. Operation indicator (red), Setting indicator (green)

E2E-X7T1



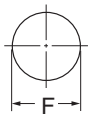
*1. 6-dia. vinyl-insulated round cable with 2 conductors (Conductor cross section: 0.5 mm², Insulator diameter: 1.9 mm), Standard length: 2 m
The cable can be extended (separate metal conduit) up to 200 m for the control output and up to 100 m for the diagnostic output.
*2. Operation indicator (red), Setting indicator (green)

E2E-X10T1



*1. 6-dia. vinyl-insulated round cable with 2 conductors (Conductor cross section: 0.5 mm², Insulator diameter: 1.9 mm), Standard length: 2 m
The cable can be extended (separate metal conduit) up to 200 m for the control output and up to 100 m for the diagnostic output.
*2. Operation indicator (red), Setting indicator (green)

Mounting Hole Dimensions

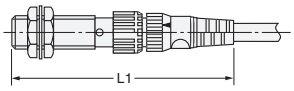


Dimensions	M12	M18	M30
F (mm)	$12.5^{+0.5}_{0}$ dia.	$18.5^{+0.5}_{0}$ dia.	$30.5^{+0.5}_{0}$ dia.

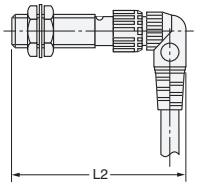
Dimensions for Proximity Sensors with Sensor I/O Connectors

Shielded Models

Straight Connectors

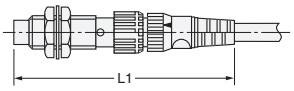


L-shape Connectors

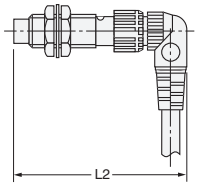


Unshielded Models

Straight Connectors



L-shape Connectors



Dimensions with the XS2F Connected

(Unit: mm)

Dimension / Sensor diameter		L1	L2
M8		Approx. 75	Approx. 62
M12*	DC	Approx. 80	Approx. 67
	AC	Approx. 85	Approx. 72
M18		Approx. 85	Approx. 72
M30		Approx. 90	Approx. 77

* The overall length of the Sensor is different between AC and DC Models for Sensors with diameters of M12. This will change the dimension when the I/O Connector is connected.

Mounting Brackets
Protective Covers
Sputter Protective Covers
Refer to *Y92□* for details.

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