

Product Discontinuation Notices

Proximity Sensor

Issue Date
Feb. 18th, 2022

No. B-220184

**Discontinuation Notice of Proximity sensor some of model E2A series.
(Additional discontinuation model list)**

Product Discontinuation

Proximity sensor

Model E2A Series



Recommended Replacement

Proximity sensor

Model E2E-Next Series

[Final order entry date]

The end of March 2022.

[Date of The Last Shipping]

The end of June 2022

[Scheduled date of maintenance close]

The end of March 2022

[Caution on recommended replacement]

E2E-Next series has the "I/O-Link" connection method.

[Difference from discontinued product]

Recommended replacement Model	Body Color	Dimensions	Wire connection	Mounting Dimensions	Characteristics	Operation ratings	Operation methods
E2E Next series	*	*	*	**	*	*	-

** : Compatible

* : The change is a little/Almost compatible

-- : Not compatible

- : No corresponding specification

[Product Discontinuation and recommended replacement.]

As following table E2A product will be discontinued in Mar.2022.

Note:

In many cases, there are two recommended replacement products for one discontinuation product due to the different versions of the I / O link.

Table.1

Product Code	Product discontinuation	Product Code	Recommended replacement
E2A 7073M	E2A-M30KN20-WP-C2 2M OMC	E2EN1880R	E2E-X22C230 2M
E2A 7074R	E2A-M30KN20-WP-C1 2M OMC	E2EN1879E	E2E-X22C130 2M
E2A 7075G	E2A-M30KN20-WP-B2 2M OMC	E2EN2090M	E2E-X22B230 2M
E2A 7076E	E2A-M30KN20-WP-B1 2M OMC	E2EN2089G	E2E-X22B1T30 2M
E2A 7077C	E2A-M30KN20-WP-C2 5M OMC	E2EN1883C	E2E-X22C230 5M

Product Code	Product discontinuation	Product Code	Recommended replacement
E2A 7078A	E2A-M30KN20-WP-C1 5M OMC	E2EN1882E	E2E-X22C130 5M
E2A 7079M	E2A-M30KN20-WP-B2 5M OMC	E2EN2093E	E2E-X22B230 5M
E2A 7080C	E2A-M30KN20-WP-B1 5M OMC	E2EN2092G	E2E-X22B1T30 5M
E2A 7081A	E2A-M30KN20-M1-C2 OMC	E2EN1898A	E2E-X22C230-M1
E2A 7082M	E2A-M30KN20-M1-C1 OMC	E2EN1897C	E2E-X22C130-M1
E2A 7083H	E2A-M30KN20-M1-B2 OMC	E2EN2108G	E2E-X22B230-M1
E2A 7084F	E2A-M30KN20-M1-B1 OMC	E2EN2107R	E2E-X22B1T30-M1
E2A 7145A	E2A-M18KS08-WP-C1 10M OMC	E2EN2205R	E2E-X30MB2L30 5M
E2A 7146M	E2A-M18KS08-WP-C1-1 5M OMC	E2EN1275D	E2E-X8C118 5M
E2A 7147H	E2A-M12KS04-WP-B1 6M OMC	E2EN0879M	E2E-X4B1T12 5M
E2A 7148F	E2A-M12KS04-WP-B2 8M OMC	E2EN2653D	E2E-X4B212 10M
E2A 7149D	E2A-M18KS08-WP-B1 10M OMC	E2EN2657G	E2E-X8B1T18 10M
E2A 7150H	E2A-M12KN08-WP-B1 10M OMC	E2EN2650M	E2E-X8MB1T12 10M
E2A 7152D	E2A-M18KS08-WP-B1 3.5M OMC	E2EN1497H	E2E-X8B1T18 5M
E2A 7159A	E2A-M12LS04-WP-B1 7M OMC	E2EN1024G	E2E-X4B1TL12 5M
E2A 7160E	E2A-M12KS04-WP-B1 12M OMC	E2EN0879M	E2E-X4B1T12 5M
E2A 7161C	E2A-M12KS04-WP-B1 10M OMC	E2EN2651H	E2E-X4B1T12 10M
E2A 7162A	E2A-M30KS15-WP-B1 10M OMC	E2EN2661E	E2E-X15B1T30 10M
E2A 7163M	E2A-M30KS15-WP-C1 10M OMC	E2EN1861B	E2E-X15C130 5M
E2A 7164H	E2A-M12KS04-WP-C1 10M OMC	E2EN2654B	E2E-X4C112 10M
E2A 7165F	E2A-M18KS08-WS-B1-3 2M OMC	E2EN1494C	E2E-X8B1T18 2M
E2A 7166D	E2A-M12KS04-WP-D1 2M OMC	E2E 8347M	E2E-X7D112 2M
E2A 7167B	E2A-M12KN08-WP-D1 2M OMC	E2E 8367E	E2E-X10MD112 2M
E2A 7168M	E2A-M18KS08-WP-D1 2M OMC	E2E 8391H	E2E-X11D118 2M
E2A 7169R	E2A-M18KN16-WP-D1 2M OMC	E2E 8411F	E2E-X20MD1L18 2M
E2A 7170B	E2A-M30KS15-WP-D1 2M OMC	E2E 8431M	E2E-X20D130 2M
E2A 7171M	E2A-M30KN20-WP-D1 2M OMC	E2E 8431M	E2E-X20D130 2M
E2A 7172R	E2A-M12KS04-WP-D2 2M OMC	E2E 8348R	E2E-X7D212 2M
E2A 7173G	E2A-M12KN08-WP-D2 2M OMC	E2E 8368C	E2E-X10MD212 2M
E2A 7174E	E2A-M18KS08-WP-D2 2M OMC	E2E 8392F	E2E-X11D218 2M
E2A 7175C	E2A-M18KN16-WP-D2 2M OMC	E2E 8412D	E2E-X20MD2L18 2M
E2A 7176A	E2A-M30KS15-WP-D2 2M OMC	E2E 8432R	E2E-X20D230 2M
E2A 7177M	E2A-M30KN20-WP-D2 2M OMC	E2E 8432R	E2E-X20D230 2M
E2A 7178H	E2A-M12LS04-WP-D1 2M OMC	E2E 8347M	E2E-X7D112 2M
E2A 7179F	E2A-M12LN08-WP-D1 2M OMC	E2E 8367E	E2E-X10MD112 2M
E2A 7180M	E2A-M18LS08-WP-D1 2M OMC	E2E 8391H	E2E-X11D118 2M
E2A 7181H	E2A-M18LN16-WP-D1 2M OMC	E2E 8411F	E2E-X20MD1L18 2M
E2A 7182F	E2A-M30LS15-WP-D1 2M OMC	E2E 8431M	E2E-X20D130 2M
E2A 7183D	E2A-M30LN30-WP-D1 2M OMC	E2E 8451E	E2E-X40MD1L30 2M
E2A 7184B	E2A-M12LS04-WP-D2 2M OMC	E2E 8348R	E2E-X7D212 2M
E2A 7185M	E2A-M12LN08-WP-D2 2M OMC	E2E 8368C	E2E-X10MD212 2M
E2A 7186R	E2A-M18LS08-WP-D2 2M OMC	E2E 8392F	E2E-X11D218 2M
E2A 7187G	E2A-M18LN16-WP-D2 2M OMC	E2E 8412D	E2E-X20MD2L18 2M
E2A 7188E	E2A-M30LS15-WP-D2 2M OMC	E2E 8432R	E2E-X20D230 2M
E2A 7189C	E2A-M30LN30-WP-D2 2M OMC	E2E 8452C	E2E-X40MD2L30 2M
E2A 7191E	E2A-M18KS08-WP-D1 5M OMC	E2E 8393D	E2E-X11D118 5M
E2A 7232F	E2A-S08KN04-WP-C2 5M OMC	E2EN0094B	E2E-X4MC28 5M
E2A 7248B	E2A-S08LN04-M1-C2 OMC	E2EN0215E	E2E-X4MC2L8-M1

Product Code	Product discontinuation	Product Code	Recommended replacement
E2A 7251B	E2A-S08LN04-M5-C2 OMC	E2EN0220A	E2E-X4MC2L8-M5
E2A 7253R	E2A-S08LN04-WP-B1 5M OMC	E2A 7252M	E2A-S08LN04-WP-B1 2M OMC
E2A 7255E	E2A-S08LN04-WP-B2 5M OMC	E2A 7254G	E2A-S08LN04-WP-B2 2M OMC
E2A 7256C	E2A-S08LN04-WP-C1 5M OMC	E2A 7256C	E2A-S08LN04-WP-C1 5M OMC
E2A 7257A	E2A-S08LN04-WP-C2 2M OMC	E2EN0209M	E2E-X4MC2L8 2M
E2A 7258M	E2A-S08LN04-WP-C2 5M OMC	E2EN0211B	E2E-X4MC2L8 5M
E2A 7264D	E2A-S08LS02-M5-C2 OMC	E2EN0170A	E2E-X2C2L8-M5
E2A 7269E	E2A-S08LS02-WP-C1 5M OMC	E2A 7268G	E2A-S08LS02-WP-C1 2M OMC
E2A 7271G	E2A-S08LS02-WP-C2 5M OMC	E2EN0161B	E2E-X2C2L8 5M
E2A 7272E	E2A-S08KS02-WP-C1 3M OMC	E2EN0021G	E2E-X2C18 5M
E2A 7284R	E2A-M18KS08-WS-B3-G3S 1.5M OMS	—	—
E2A 7292M	E2A-M18KS05-WP-B1 6M OMS	E2EN1476E	E2E-X5B1T18 5M
E2A 7295D	E2A-S08KS02-WP-B1 3M OMS	E2A 7239C	E2A-S08KS02-WP-B1 2M OMC
E2A 7301B	E2A-M18KN10-WP-B1 10M OMS	E2EN1553B	E2E-X10MB1T18 5M
E2A 7302M	E2A-M18KN10-WP-B1-TP 5M OMS	E2EN1553B	E2E-X10MB1T18 5M
E2A 7304G	E2A-M18LS08-WP-B1 8M OMS	E2EN1607E	E2E-X8B1TL18 5M
E2A 7305E	E2A-M30KS15-WP-B2 10M OMS	E2EN2662C	E2E-X15B230 10M
E2A 7306C	E2A-M30LS15-WP-B1 6M OMS	E2EN2160E	E2E-X15B1TL30 5M
E2A 7307A	E2A-S08KS01-M3-B1 OMS	E2A 7322E	E2A-S08KS02-M3-B1 OMS
E2A 7319E	E2A-M18LS08-WP-B3 15M OMS	E2EN1803E	E2E-X10MB3DL18 5M
E2A 7324A	E2A-S08KS02-WP-B1-1 0.05M OMS	E2EN0263E	E2E-X2B1T8 2M
E2A 7347M	E2A-S08KS02-WP-C2-ASS 3M OMS	—	—
E2A 7351R	E2A-M18KS08-M1-B1-S OMS	E2EN1512E	E2E-X8B1T18-M1
E2A 7355A	E2A-M12LS04-M1-B1-FE OMS	E2EN1030A	E2E-X4B1TL12-M1
E2A 7356M	E2A-S08KS01-WP-B1 6M OMS	E2A 7240G	E2A-S08KS02-WP-B1 5M OMC
E2A 7358F	E2A-M12KN08-WP-HI25 1M OMS	E2EN0713M	E2E-X8MC312 2M
E2A 7359D	E2A-M18KN16-WP-B1 10M OMS	E2EN1574E	E2E-X16MB1T18 5M
E2A 7360H	E2A-M12KS04-WP-B2 3M OMS	E2EN0880C	E2E-X4B212 5M
E2A 7361F	E2A-M12KS04-WP-B2 6M OMS	E2EN0880C	E2E-X4B212 5M
E2A 7362D	E2A-M18LN16-WP-B2-2 2M OMS	E2EN1649M	E2E-X16MB2L18 2M
E2A 7363B	E2A-S08LS02-WP-B2 10M OMS	E2A 7266M	E2A-S08LS02-WP-B2 2M OMC
E2A 7365R	E2A-S18KS08-WS-B1 5M OMS	E2EN1497H	E2E-X8B1T18 5M
E2A 7369A	E2A-M30KS15-WP-D1 3M OMS	E2E 8433G	E2E-X20D130 5M
E2A 7370E	E2A-M18LS08-WS-B1-M01 OMS	E2EN1604M	E2E-X8B1TL18 2M
E2A 7371C	E2A-M18LS08-WP-B1 6M OMS	E2EN1607E	E2E-X8B1TL18 5M
E2A 7377B	E2A-M18LS08-WP-B1-1 3.55M OMS	E2EN1619R	E2E-X12B1TL18 5M
E2A 7378M	E2A-M18LS08-WP-B1-1 6M OMS	E2EN1619R	E2E-X12B1TL18 5M
E2A 7399C	E2A-M12KN08-WP-D1 5M	E2E 8369A	E2E-X10MD112 5M
E2A 7416G	E2A-S30LS15-WP-B1 2M	E2EN2157E	E2E-X15B1TL30 2M
E2A 7417E	E2A-M18KS08-M1G-D1	E2E 8399C	E2E-X11D118-M1TGJ 0.3M
E2A 7418C	E2A-M12KS04-M1G-D1	E2E 8355A	E2E-X7D112-M1TGJ 0.3M
E2A 7420E	E2A-M12KS04-M5-B2 OMS	E2EN0895A	E2E-X4B212-M1
E2A 7421C	E2A-M12KS04-M3-B1 OMS	E2EN0895A	E2E-X4B212-M1
E2A 7423M	E2A-M12KN08-M5-B1 OMS	E2EN0972R	E2E-X8MB212-M1
E2A 7424H	E2A-M12KN08-M3-B1	E2EN0986R	E2E-X10MB1T12-M1TJ 0.3M
E2A 7425F	E2A-M12KS04-M5-C1	E2EN0646M	E2E-X4C112-M1TJ 0.3M
E2A 7426D	E2A-M12KS04-M3-C1	E2EN0646M	E2E-X4C112-M1TJ 0.3M
E2A 7427B	E2A-M18KS08-M3-B1	E2EN1512E	E2E-X8B1T18-M1

Product Code	Product discontinuation	Product Code	Recommended replacement
E2A 7428M	E2A-M18KN16-M5-B1	E2EN1583D	E2E-X16MB1T18-M1TJ 0.3M
E2A 7429R	E2A-M18KS08-M5-C1	E2EN1512E	E2E-X8B1T18-M1
E2A 7430B	E2A-M18KN16-M5-C1	E2EN1367M	E2E-X16MC118-M1
E2A 7434E	E2A-M12LS04-M5-B1	E2EN1027A	E2E-X4B1TL12-M1TJ 0.3M
E2A 7435C	E2A-M12LS04-M3-B1	E2EN1027A	E2E-X4B1TL12-M1TJ 0.3M
E2A 7436A	E2A-M12LN08-M5-B1	E2EN1074C	E2E-X8MB1TL12-M1
E2A 7437M	E2A-M12LN08-M3-B1	E2EN1074C	E2E-X8MB1TL12-M1
E2A 7438H	E2A-M18LS08-M5-B1	E2EN1613M	E2E-X8B1TL18-M1
E2A 7439F	E2A-M18LN16-M5-C1	E2EN1456M	E2E-X20MC1L18-M1
E2A 7450G	E2A-S18LS08-M1-C1	E2EN1391B	E2E-X8C1L18-M1
E2A 7455H	E2A-S30KS15-WP-C1 5M	E2EN1861B	E2E-X15C130 5M
E2A 7457D	E2A-S18KN16-WP-B1 5M	E2EN1574E	E2E-X16MB1T18 5M
E2A 7461B	E2A-S12KS04-M5-C1	E2EN0652E	E2E-X4C112-M1
E2A 7463R	E2A-S08KS02-M3-C2	E2A 7238E	E2A-S08KS02-M5-C2 OMC
E2A 7468M	E2A-S08KN04-M1G-D1	E2E 8331D	E2E-X6MD18-M1TGJ 0.3M
E2A 7472H	E2A-S08KN04-M3-C1	E2A 7224E	E2A-S08KN04-M5-C1 OMC
E2A 7476M	E2A-S08KS01-M1-B2	E2A 7233D	E2A-S08KS02-M1-B2 OMC
E2A 7480R	E2A-S08LS02-M5-B1-S	E2A 7206G	E2A-S08LS02-M5-B1 OMC
E2A 7481G	E2A-P08KS02-M5T2-B1 OMS	E2E 8154M	E2E-C06S02-MC-B1
E2A 7482E	E2A-P08KS02-M5T3-B1 OMS	E2E 8154M	E2E-C06S02-MC-B1
E2A 7483C	E2A-P08KS02-M5T1-B2 OMS	E2E 8155R	E2E-C06S02-MC-B2
E2A 7484A	E2A-P08LS02-M5-B2 OMS	E2E 8155R	E2E-C06S02-MC-B2
E2A 7487F	E2A-M12KS04-M3-B2	E2EN0889G	E2E-X4B212-M1TJ 0.3M
E2A 7488D	E2A-S18LS08-WP-C2 2M	—	—
E2A 7489B	E2A-M12KN08-M5-B2	E2EN0993A	E2E-X10MB212-M1
E2A 7490F	E2A-M12KN08-M3-B2	E2EN0993A	E2E-X10MB212-M1
E2A 7491D	E2A-M12KS04-M5-C2	E2EN0653C	E2E-X4C212-M1
E2A 7492B	E2A-S18KS08-WP-B2 5M	—	—
E2A 7493M	E2A-S18KN16-WP-B2 5M	—	—
E2A 7495G	E2A-S12LS04-WP-B2 2M	—	—
E2A 7496E	E2A-S12KS04-M1-C2	—	—
E2A 7497C	E2A-M12LN08-M3-B2	E2EN1075A	E2E-X8MB2L12-M1
E2A 7498A	E2A-M12LN08-M5-C2	E2EN0833A	E2E-X8MC2L12-M1
E2A 7499M	E2A-M18LS08-M3-B1	E2EN1613M	E2E-X8B1TL18-M1
E2A 7503A	E2A-S18KS08-M5-B2	—	—
E2A 7505H	E2A-S18LN16-WP-B1 2M	—	—
E2A 7506F	E2A-S12LS04-M1J-C1 0.5M	—	—
E2A 7507D	E2A-S12KN08-WP-B1 20M	—	—
E2A 7510D	E2A-S08KN04-M1G-D2	E2E 8332B	E2E-X6MD28-M1TGJ 0.3M
E2A 7514G	E2A-S08KN04-M3-C2	E2EN0106M	E2E-X4MC28-M3
E2A 7515E	E2A-S08KN02-WP-B2 2M	E2EN0318F	E2E-X2MB28 2M
E2A 7516C	E2A-S08KN02-WP-C2 2M	E2EN0074H	E2E-X2MC28 2M
E2A 7517A	E2A-S08KS01-WP-C2 2M	E2EN0002M	E2E-X1R5C28 2M
E2A 7518M	E2A-S08KS01-M1-C1	E2A 7234B	E2A-S08KS02-M1-C1 OMC
E2A 7519H	E2A-S08LS01-WP-B1 2M	E2EN0389E	E2E-X1R5B1TL8 2M
E2A 7521M	E2A-S08KS01-M5-C1	E2EN0017R	E2E-X1R5C18-M5
E2A 7522H	E2A-S08LS01-M5-C1	E2EN0156F	E2E-X1R5C1L8-M5
E2A 7523F	E2A-S08KS01-WP-B2 5M	E2EN0248A	E2E-X1R5B28 5M

Product Code	Product discontinuation	Product Code	Recommended replacement
E2A 7524D	E2A-S08LS01-M3-B1	E2EN0398D	E2E-X1R5B1TL8-M3
E2A 7525B	E2A-S08LS01-WP-B1 5M	E2A 7207E	E2A-S08LS02-WP-B1 2M OMC
E2A 7526M	E2A-S08KS01-WP-C1 5M	E2A 7201F	E2A-S08KS02-WP-C1 2M OMC
E2A 7530R	E2A-S08KS02-M5-B1-2 OMS	E2EN0279A	E2E-X2B1T8-M5
E2A 7531G	E2A-S08KS02-M5-B2-2 OMS	E2EN0280E	E2E-X2B28-M5
E2A 7532E	E2A-P08LS02-M5-B1 OMS	E2E 8154M	E2E-C06S02-MC-B1
E2A 7541D	E2A-M12KS04-WP-B3 8M	E2EN1114F	E2E-X4B3D12 5M
E2A 7544R	E2A-M18KS08-WP-B3 10M	E2EN1712H	E2E-X8B3D18 5M
E2A 7553H	E2A-M30KN20-WP-B3 2M	E2EN2286E	E2E-X22B3D30 2M
E2A 7554F	E2A-M30KN20-M1-B3	E2EN2298R	E2E-X22B3D30-M1
E2A 7576G	E2A-M30KN20-WP-C3 2M	E2EN1881G	E2E-X22C330 2M
E2A 7578C	E2A-M30KN20-M1-C3	E2EN1899M	E2E-X22C330-M1
E2A 7580E	E2A-M12KS04-WP-B3 6M	E2EN1114F	E2E-X4B3D12 5M
E2A 7581C	E2A-M30KS10-WP-C3 15M	E2EN1842F	E2E-X10C330 5M
E2A 7582A	E2A-M30KS10-WP-B3 15M	E2EN2260A	E2E-X10B3D30 5M
E2A 7583M	E2A-M30KS10-WP-C3 20M	E2EN1842F	E2E-X10C330 5M
E2A 7584H	E2A-M30KS10-WP-B3 10M	E2EN2260A	E2E-X10B3D30 5M
E2A 7585F	E2A-M18LS08-WP-B3 10M	E2EN1607E	E2E-X8B1TL18 5M
E2A 7586D	E2A-M12KS04-WS-B3 2M	E2EN1112M	E2E-X4B3D12 2M
E2A 7594E	E2A-M30LS15-WP-B3 20M	E2EN2331D	E2E-X15B3DL30 5M
E2A 7597M	E2A-M18KS08-M1J-B1-L 0.5M	E2EN1506M	E2E-X8B1T18-M1TJ 0.3M
E2A 7598H	E2A-M30KS15-WP-B3 10M	E2EN2274A	E2E-X15B3D30 5M
E2A 7599F	E2A-S08LS02-WP-B3 2M	E2EN0572C	E2E-X2B3DL8-M1
E2A 7607M	E2A-M12KS04-WP-HI 1M	—	—
E2A 7610M	E2A-S12LS04-M1-C3	—	—
E2A 7612G	E2A-M12KN08-M1G-D1	E2E 8375F	E2E-X10MD112-M1TGJ 0.3M
E2A 7621F	E2A-M18KS08-M1-B1-C20	E2EN1512E	E2E-X8B1T18-M1
E2A 7624M	E2A-M18LS08-WP-B1-3 0.115M	E2EN1494C	E2E-X8B1T18 2M

[Body color]

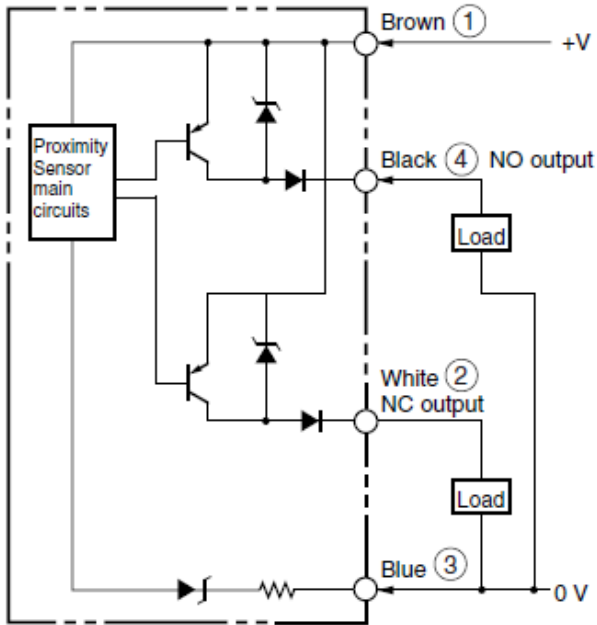
Product discontinuation Model E2A series	Recommendable replacement Model E2E NEXT series
Metal threaded body with gray color cable	Metal threaded body with black color cable

[Wire connection]

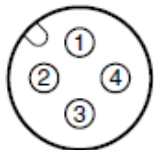
Product discontinuation Model E2A series	Recommendable replacement Model E2E NEXT Series				
<p>NO(Normal Open) type PNP Type: E2A-***-B1</p> <p>Note 1: With M8 connector models, there is no output reverse polarity protection diode.</p> <p>M12 Connector Pin Arrangement (See note 2.) M8 connector (3 pin) Pin Arrangement M8 Connector (4 pin) Pin Arrangement (See note 2.)</p> <p>Note 2: Pin 2 of the M12 connector and M8 connector is not used.</p>	<p>Type: E2E-**-B1</p> <table border="1"> <tr> <th style="text-align: center;">Standard I/O mode (SIO mode) When using as a general</th> <th style="text-align: center;">IO-Link Communication mode (COM mode) When using the Sensor connected to IO-Link Master Unit *</th> </tr> <tr> <td> </td> <td> <p style="text-align: right;">IO-Link master</p> </td> </tr> </table> <p>Its pin assignment of connector type is as same as E2A.</p>	Standard I/O mode (SIO mode) When using as a general	IO-Link Communication mode (COM mode) When using the Sensor connected to IO-Link Master Unit *		<p style="text-align: right;">IO-Link master</p>
Standard I/O mode (SIO mode) When using as a general	IO-Link Communication mode (COM mode) When using the Sensor connected to IO-Link Master Unit *				
	<p style="text-align: right;">IO-Link master</p>				
<p>NC (Normal Close) type PNP Type: E2A-***-B2</p> <p>Note 1: With M8 connector models, there is no output reverse polarity protection diode.</p> <p>M12 Connector Pin Arrangement (See note 2.) M8 connector (3 pin) Pin Arrangement M8 Connector (4 pin) Pin Arrangement (See note 2.)</p> <p>Note 2: Pin 4 of the M12 connector and M8 connector is not used.</p>	<p>Type: E2E-***-B2</p> <p>Note: M8 (3-pin) Connector: (1)(4)(3)</p> <p>Its pin assignment of connector type is as same as E2A.</p>				

**Product discontinuation
Model E2A series**

**NO+NC Type of PNP
Type: E2A-***-B3**

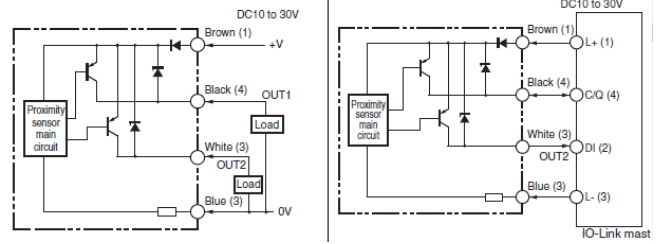


**M12 Connector
Pin Arrangement**



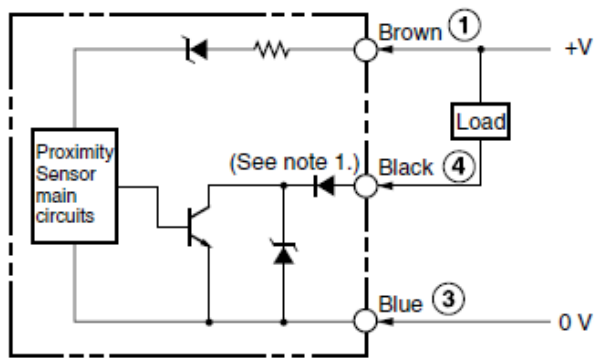
**Recommendable replacement
Model E2E NEXT Series**

Type: E2E-*-B3**



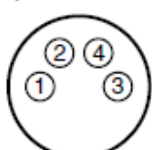
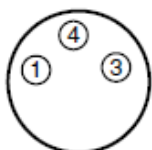
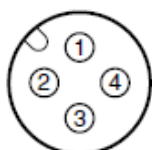
Its pin assignment of connector type is as same as E2A.

**NO(Normal Open) type NPN
Type: E2A-***-C1**



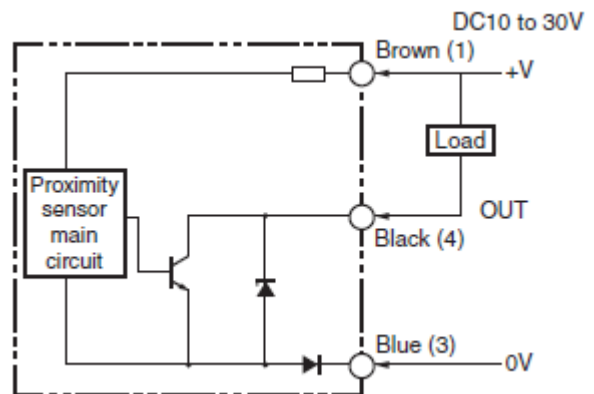
Note 1: With M8 connector models, there is no output reverse polarity protection diode.

M12 Connector Pin Arrangement (See note 2.) **M8 connector (3 pin) Pin Arrangement** **M8 Connector (4 pin) Pin Arrangement (See note 2.)**

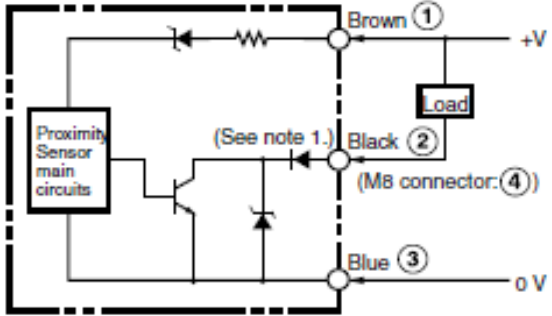

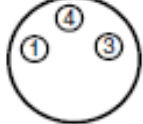
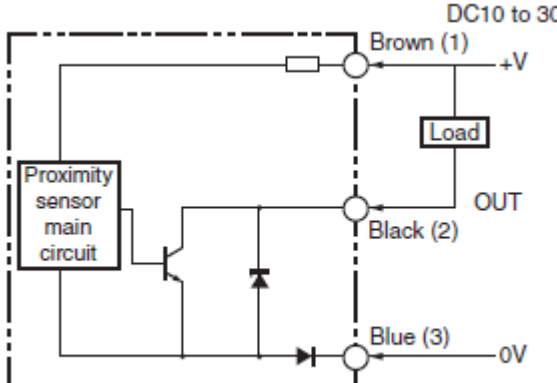
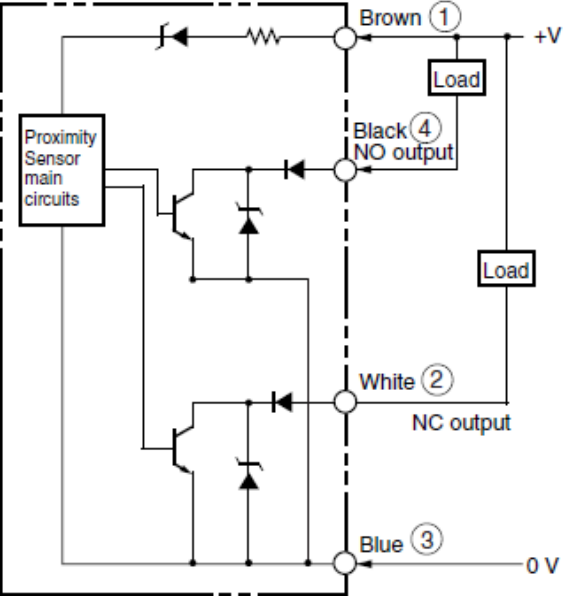
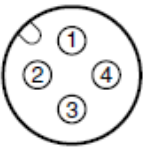
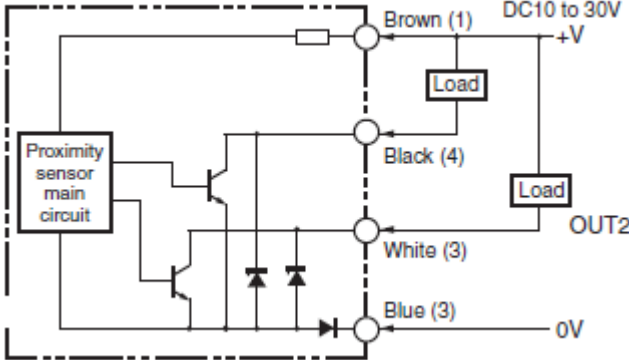


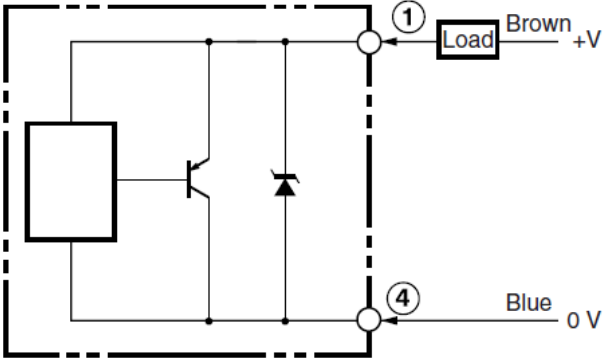
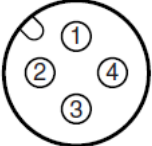
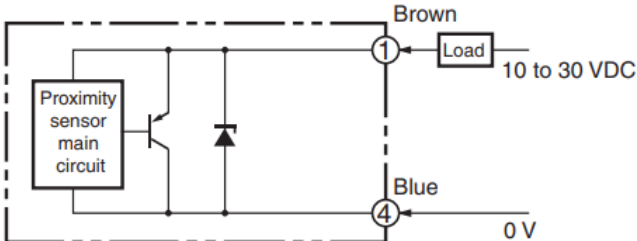
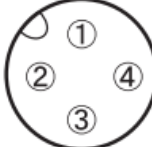
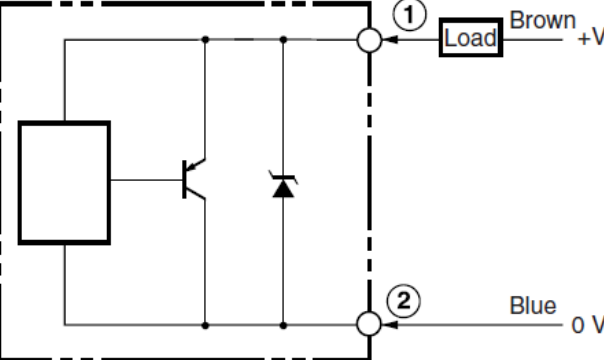
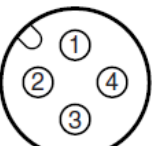
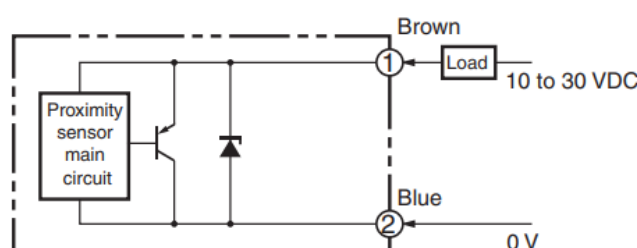

Note 2: Pin 2 of the M12 connector and M8 connector is not used.

Type: E2E-*-C1**



Its pin assignment of connector type is as same as E2A.

<p align="center">Product discontinuation Model E2A series</p>	<p align="center">Recommendable replacement Model E2E NEXT Series</p>
<p>NC (Normal Close) type NPN Type: E2A-***-C2</p>  <p>Note 1: With M8 Size Models, there is no output reverse polarity protection diode.</p> <p>M12 Connector Pin Arrangement (See note 2.)</p>  <p>M8 Connector (3-pin) Pin Arrangement</p>  <p>Note 2: Terminal 4 of the M12 connector is not used.</p>	<p>Type: E2E-***-C2</p>  <p>Note: M8 (3-pin) Connector: (1)(4)(3)</p> <p>Its pin assignment of connector type is as same as E2A.</p>
<p>NO+NC Type of PNP Type: E2A-***-C3</p>  <p>M12 Connector Pin Arrangement</p> 	<p>Type: E2E-***-C3</p>  <p>Its pin assignment of connector type is as same as E2A.</p>

<p align="center">Product discontinuation Model E2A series</p>	<p align="center">Recommendable replacement Model E2E NEXT Series</p>
<p>DC 2-Wire NO (Normal Open) Type. Type: E2A-***-D1</p>  <p>Load can be connected to +V or 0V side.</p> <p>M12 Connector Pin Arrangement</p> 	<p>Type: E2E-X*D1*</p>  <p>Note: The load can be connected to either the +V or 0V side.</p> <p>Connector Pin Arrangement</p>  <p>Note: Pins 2 and 3 are not used.</p>
<p>DC 2-Wire NC (Normal close) Type. Type: E2A-***-D2</p>  <p>Load can be connected to +V or 0V side.</p> <p>M12 Connector Pin Arrangement</p> 	<p>Type: E2E-X*D2*</p>  <p>Note: The load can be connected to either the +V or 0V side.</p> <p>Connector Pin Arrangement</p>  <p>Note: Pins 3 and 4 are not used.</p>

[Dimensions]

**Product discontinuation
Model E2A**

M8 Pre-wired type (Shielded)
E2A-S08KS02-WP-**/ E2A-S08LS02-WP-**

Note 1. 4-dia. vinyl-insulated round cable with 3 conductors (conductor cross section: 0.3 mm²; insulator diameter: 1.3 mm); standard length: 2 m
2. Operation indicator (yellow)

Note 1. 4-dia. vinyl-insulated round cable with 3 conductors (conductor cross section: 0.3 mm²; insulator diameter: 1.3 mm); standard length: 2 m
2. Operation indicator (yellow)

M12 Pre-wired type (Shielded)
E2A-M12KS04-WP-**/ E2A-S12KS04-WP-**
E2A-M12LS04-WP-**/ E2A-S12LS04-WP-**

Note 1. 4-dia. vinyl-insulated round cable with 3 conductors (conductor cross section: 0.3 mm²; insulator diameter: 1.3 mm); standard length: 2 m
2. Operation indicator (yellow)
3. for NO+NC (-B3 / -C3) models the total length is 4 mm longer

Note 1. 4-dia. vinyl-insulated round cable with 3 conductors (conductor cross section: 0.3 mm²; insulator diameter: 1.3 mm); standard length: 2 m
2. Operation indicator (yellow)

M18 Pre-wired type (Shielded)
E2A-M18KS08-WP-**/ E2A-S18KS08-WP-**
E2A-M18LS08-WP-**/ E2A-S18LS08-WP-**

Note 1. 4-dia. vinyl-insulated round cable with 3 conductors (conductor cross section: 0.3 mm²; insulator diameter: 1.3 mm); standard length: 2 m
2. Operation indicator (yellow)

**Recommendable replacement
Model E2E-Next series**

Pre-wired Models of E2E-Next series (dimension table).

Indicators
Standard I/O mode (SIO mode):
Operation indicator (orange/ON),
communication indicator (green/OFF)
IO-Link Communication mode (COM mode):
Operation indicator (orange/ON),
communication indicator (green/Flashing (1sec cycle))

Pre-wired Models
(Operation mode: NO, NC Type)

Vinyl-insulated round cable with 3 conductors
M8, M12 size: 4-dia.
M18, M30 size: 6-dia.
(Conductor cross section: 0.2 mm² (AWG24),
Insulator diameter: 1.05 mm),
Standard length: 2 m

(Operation mode: NO+NC Type)

Pre-wired Connector Models (M1TJ)
M12xP1

(Operation mode: NO, NC Type)
Vinyl-insulated round cable with 3 conductors
M8, M12 size: 4-dia.
M18, M30 size: 6-dia.
(Conductor cross section: 0.2 mm² (AWG24),
Insulator diameter: 1.05 mm),
Standard length: 0.3 m

(Operation mode: NO+NC Type)
Vinyl-insulated round cable with 4 conductors
M12 size: 4.3-dia.
M18, M30 size: 6-dia.
(Conductor cross section: 0.2 mm² (AWG24),
Insulator diameter: 1.05 mm),
Standard length: 0.3 m

Shielded

Model	A	B	C	D	E	F*1	G*2	H	I	J
E2E(Q)-X□8	M8XP1	37.8	4.4	26	---	10 (8)	4	3	15	13
E2E(Q)-X□12	M12XP1	47.1	3.7	33	---	12 (10)	4	4	21	17
E2E(Q)-X□18	M18XP1	55.3	8.5	38	---	12 (10)	4	4	29	24
E2E(Q)-X□30	M30XP1.5	60.3	8.3	43	---	12 (10)	4	5	42	36
E2E-X□L8	M8XP1	47.8	4.4	36	---	8	---	3	15	13
E2E-X□L12	M12XP1	69.1	3.7	55	---	10	---	4	21	17
E2E-X□L18	M18XP1	77.3	8.5	60	---	10	---	4	29	24
E2E-X□L30	M30XP1.5	82.3	8.3	65	---	10	---	5	42	36

Unshielded

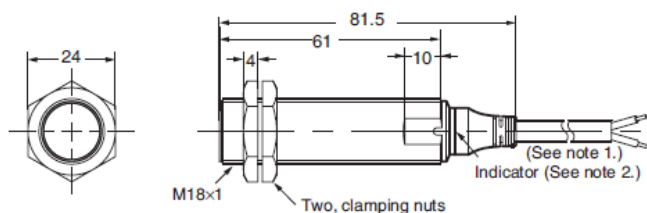
Model	A	B	C	D	E*3	F	G*2	H	I	J
E2E-X□M□8	M8XP1	37.8	4.4	26	6	8	---	3	15	13
E2E-X□M□12	M12XP1	47.1	3.7	33	7	10	---	4	21	17
E2E-X□M□18	M18XP1	55.3	8.5	38	10	10	---	4	29	24
E2E-X□M□30	M30XP1.5	60.3	8.3	43	13	10	---	5	42	36
E2E-X□M□L8	M8XP1	47.8	4.4	36	6	8	---	3	15	13
E2E-X□M□L12	M12XP1	69.1	3.7	55	7	10	---	4	21	17
E2E-X□M□L18	M18XP1	77.3	8.5	60	10	10	---	4	29	24
E2E-X□M□L30	M30XP1.5	82.3	8.3	65	130 (15)	10	---	5	42	36

Note1: E2E-Next series has one toothed washer.

Note2: E2E(Q) means E2EQ series and E2EQ series is for welding process type and has the threaded body and sensing head covered with the fluorine resin for spatter resistance.

Note3: Fixing Nut set is as same as E2A series.

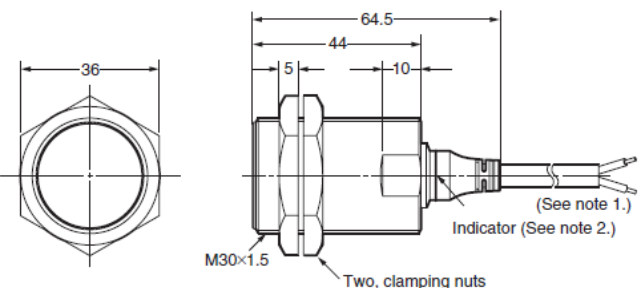
**Product discontinuation
Model E2A**



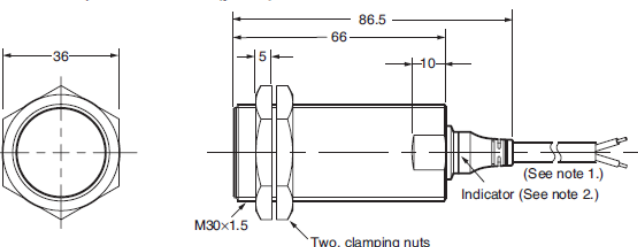
Note 1. 4-dia. vinyl-insulated round cable with 3 conductors (conductor cross section: 0.3 mm²; insulator diameter: 1.3 mm); standard length: 2 m
2. Operation indicator (yellow)

M30 Pre-wired type (Shielded)

E2A-M30KS15-WP-*/ E2A- S30KS15-WP-**
E2A-M30LS15-WP-*/ E2A- S30LS15-WP-**



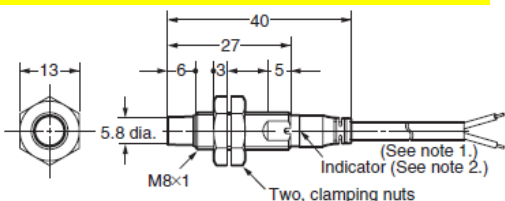
Note 1. 4-dia. vinyl-insulated round cable with 3 conductors (conductor cross section: 0.3 mm²; insulator diameter: 1.3 mm); standard length: 2 m
2. Operation indicator (yellow)



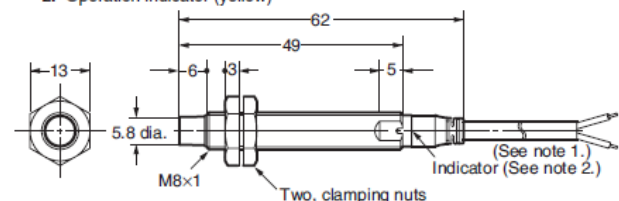
Note 1. 4-dia. vinyl-insulated round cable with 3 conductors (conductor cross section: 0.3 mm²; insulator diameter: 1.3 mm); standard length: 2 m
2. Operation indicator (yellow)

M8 Pre-wired type (Non-shielded)

E2A-S08KN04-WP-*/ E2A-S08LN04-WP-**

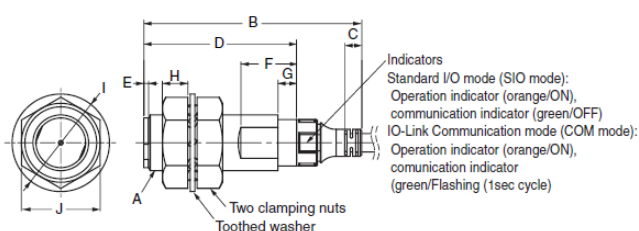


Note 1. 4-dia. vinyl-insulated round cable with 3 conductors (conductor cross section: 0.3 mm²; insulator diameter: 1.3 mm); standard length: 2 m
2. Operation indicator (yellow)

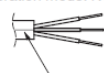


Note 1. 4-dia. vinyl-insulated round cable with 3 conductors (conductor cross section: 0.3 mm²; insulator diameter: 1.3 mm); standard length: 2 m
2. Operation indicator (yellow)

**Recommendable replacement
Model E2E-Next series**



Pre-wired Models
 (Operation mode: NO, NC Type)



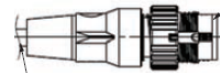
Vinyl-insulated round cable with 3 conductors
 M8, M12 size: 4-dia.
 M18, M30 size: 6-dia.
 (Conductor cross section: 0.2 mm² (AWG24), Insulator diameter: 1.05 mm), Standard length: 2 m

(Operation mode: NO+NC Type)



Vinyl-insulated round cable with 4 conductors
 M12 size: 4.3-dia.
 M18/M30 size: 6-dia.
 (Conductor cross section: 0.2 mm² (AWG24), Insulator diameter: 1.05 mm), Standard length: 2 m

Pre-wired Connector Models (M1TJ)



(Operation mode: NO, NC Type)
 Vinyl-insulated round cable with 3 conductors
 M8, M12 size: 4-dia.
 M18, M30 size: 6-dia.
 (Conductor cross section: 0.2 mm² (AWG24), Insulator diameter: 1.05 mm), Standard length: 0.3 m

(Operation mode: NO+NC Type)
 Vinyl-insulated round cable with 4 conductors
 M12 size: 4.3-dia.
 M18, M30 size: 6-dia.
 (Conductor cross section: 0.2 mm² (AWG24), Insulator diameter: 1.05 mm), Standard length: 0.3 m

Shielded

Model	A	B	C	D	E	F*1	G*2	H	I	J
E2E(Q)-X□8	M8XP1	37.8	4.4	26	---	10 (8)	4	3	15	13
E2E(Q)-X□12	M12XP1	47.1	3.7	33	---	12 (10)	4	4	21	17
E2E(Q)-X□18	M18XP1	55.3	8.5	38	---	12 (10)	4	4	29	24
E2E(Q)-X□30	M30XP1.5	60.3	8.3	43	---	12 (10)	4	5	42	36
E2E-X□L8	M8XP1	47.8	4.4	36	---	8	---	3	15	13
E2E-X□L12	M12XP1	69.1	3.7	55	---	10	---	4	21	17
E2E-X□L18	M18XP1	77.3	8.5	60	---	10	---	4	29	24
E2E-X□L30	M30XP1.5	82.3	8.3	65	---	10	---	5	42	36

Unshielded

Model	A	B	C	D	E*3	F	G*2	H	I	J
E2E-X□M□8	M8XP1	37.8	4.4	26	6	8	---	3	15	13
E2E-X□M□12	M12XP1	47.1	3.7	33	7	10	---	4	21	17
E2E-X□M□18	M18XP1	55.3	8.5	38	10	10	---	4	29	24
E2E-X□M□30	M30XP1.5	60.3	8.3	43	13	10	---	5	42	36
E2E-X□M□L8	M8XP1	47.8	4.4	36	6	8	---	3	15	13
E2E-X□M□L12	M12XP1	69.1	3.7	55	7	10	---	4	21	17
E2E-X□M□L18	M18XP1	77.3	8.5	60	10	10	---	4	29	24
E2E-X□M□L30	M30XP1.5	82.3	8.3	65	130 (15)	10	---	5	42	36

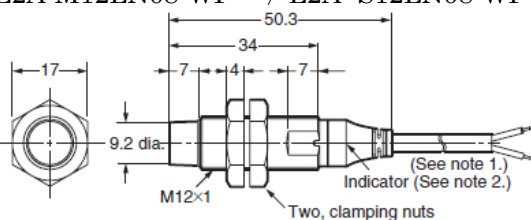
Note1: E2E-Next series has one toothed washer.

Note2: E2E(Q) means E2EQ series and E2EQ series is for welding process type and has the threaded body and sensing head covered with the fluorine resin for spatter resistance.

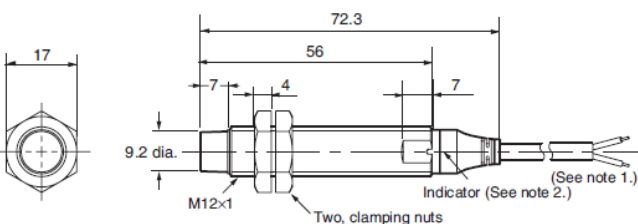
Note3: Fixing Nut set is as same as E2A series.

**Product discontinuation
Model E2A**

M12 Pre-wired type (Non-shielded)
E2A-M12KN08-WP-** / E2A- S12KN08-WP-**
E2A-M12LN08-WP-** / E2A- S12LN08-WP-**

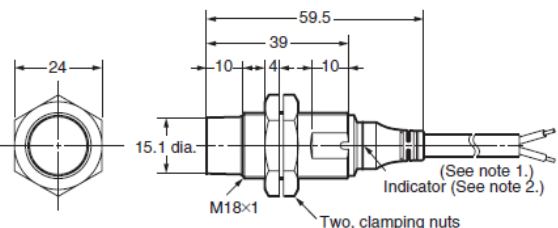


Note 1. 4-dia. vinyl-insulated round cable with 3 conductors (conductor cross section: 0.3 mm²; insulator diameter: 1.3 mm); standard length: 2 m
2. Operation indicator (yellow)
3. for NO+NC (-B3 / -C3) models the total length is 4 mm longer

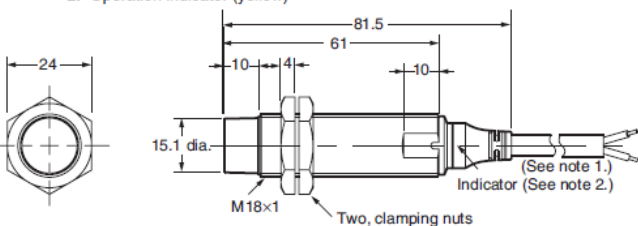


Note 1. 4-dia. vinyl-insulated round cable with 3 conductors (conductor cross section: 0.3 mm²; insulator diameter: 1.3 mm); standard length: 2 m
2. Operation indicator (yellow)

M18 Pre-wired type (Non-shielded)
E2A-M18KN16-WP-** / E2A- S18KN16-WP-**
E2A-M18LN16-WP-** / E2A- S18LN16-WP-**

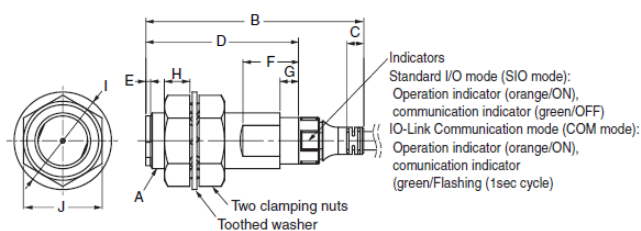


Note 1. 4-dia. vinyl-insulated round cable with 3 conductors (conductor cross section: 0.3 mm²; insulator diameter: 1.3 mm); standard length: 2 m
2. Operation indicator (yellow)

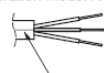


Note 1. 4-dia. vinyl-insulated round cable with 3 conductors (conductor cross section: 0.3 mm²; insulator diameter: 1.3 mm); standard length: 2 m
2. Operation indicator (yellow)

**Recommendable replacement
Model E2E-Next series**



Pre-wired Models
(Operation mode: NO, NC Type)



Vinyl-insulated round cable with 3 conductors
M8, M12 size: 4-dia.
M18, M30 size: 6-dia.
(Conductor cross section: 0.2 mm² (AWG24), Insulator diameter: 1.05 mm), Standard length: 2 m

Pre-wired Connector Models (M12J)
(Operation mode: NO+NC Type)



Vinyl-insulated round cable with 4 conductors
M12 size: 4.3-dia.
M18/M30 size: 6-dia.
(Conductor cross section: 0.2 mm² (AWG24), Insulator diameter: 1.05 mm), Standard length: 2 m

Pre-wired Connector Models (M12J)
(Operation mode: NO, NC Type)



Vinyl-insulated round cable with 3 conductors
M8, M12 size: 4-dia.
M18, M30 size: 6-dia.
(Conductor cross section: 0.2 mm² (AWG24), Insulator diameter: 1.05 mm), Standard length: 0.3 m

(Operation mode: NO+NC Type)
Vinyl-insulated round cable with 4 conductors
M12 size: 4.3-dia.
M18, M30 size: 6-dia.
(Conductor cross section: 0.2 mm² (AWG24), Insulator diameter: 1.05 mm), Standard length: 0.3 m

Shielded

Model	A	B	C	D	E	F*1	G*2	H	I	J
E2E(Q)-X□8	M8XP1	37.8	4.4	26	---	10 (8)	4	3	15	13
E2E(Q)-X□12	M12XP1	47.1	3.7	33	---	12 (10)	4	4	21	17
E2E(Q)-X□18	M18XP1	55.3	8.5	38	---	12 (10)	4	4	29	24
E2E(Q)-X□30	M30XP1.5	60.3	8.3	43	---	12 (10)	4	5	42	36
E2E-X□L8	M8XP1	47.8	4.4	36	---	8	---	3	15	13
E2E-X□L12	M12XP1	69.1	3.7	55	---	10	---	4	21	17
E2E-X□L18	M18XP1	77.3	8.5	60	---	10	---	4	29	24
E2E-X□L30	M30XP1.5	82.3	8.3	65	---	10	---	5	42	36

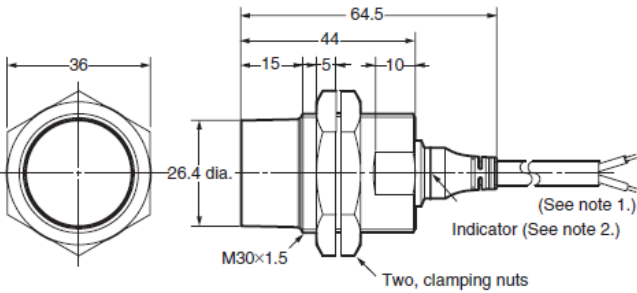
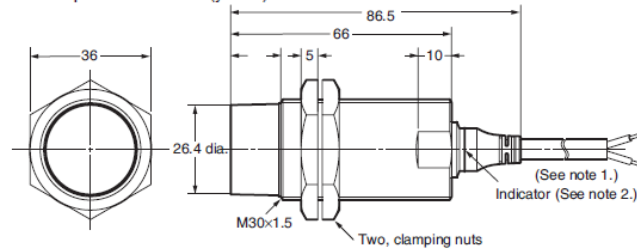
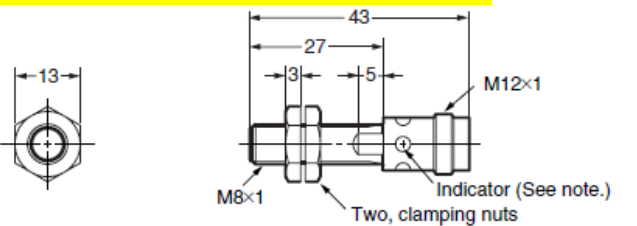
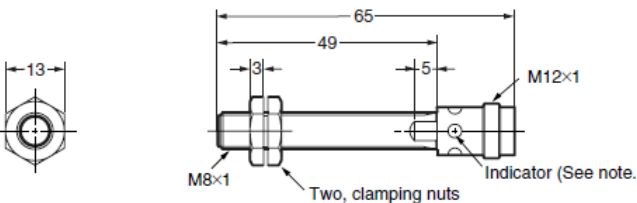
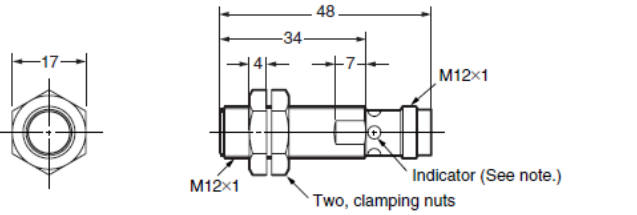
Unshielded

Model	A	B	C	D	E*3	F	G*2	H	I	J
E2E-X□M□8	M8XP1	37.8	4.4	26	6	8	---	3	15	13
E2E-X□M□12	M12XP1	47.1	3.7	33	7	10	---	4	21	17
E2E-X□M□18	M18XP1	55.3	8.5	38	10	10	---	4	29	24
E2E-X□M□30	M30XP1.5	60.3	8.3	43	13	10	---	5	42	36
E2E-X□M□L8	M8XP1	47.8	4.4	36	6	8	---	3	15	13
E2E-X□M□L12	M12XP1	69.1	3.7	55	7	10	---	4	21	17
E2E-X□M□L18	M18XP1	77.3	8.5	60	10	10	---	4	29	24
E2E-X□M□L30	M30XP1.5	82.3	8.3	65	130 (15)	10	---	5	42	36

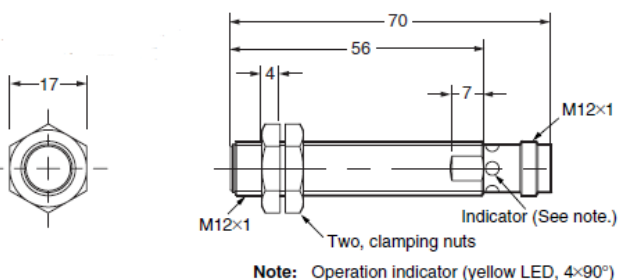
Note1: E2E-Next series has one toothed washer.

Note2: E2E(Q) means E2EQ series and E2EQ series is for welding process type and has the threaded body and sensing head covered with the fluorine resin for spatter resistance.

Note3: Fixing Nut set is as same as E2A series.

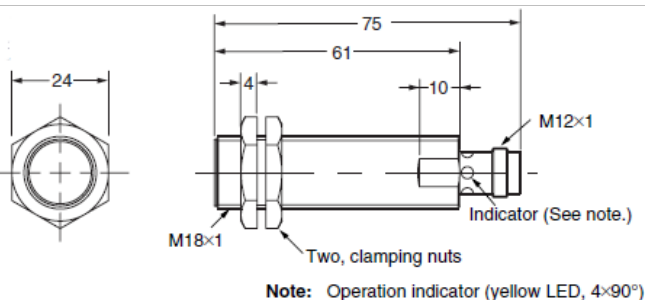
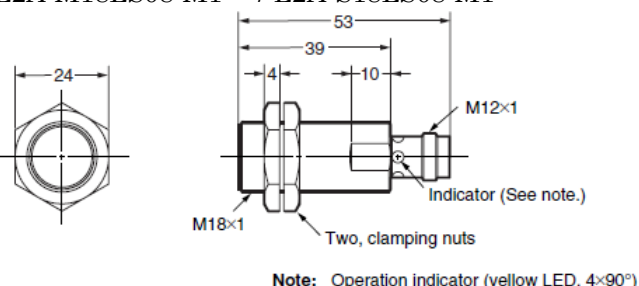
<p align="center">Product discontinuation Model E2A</p>	<p align="center">Recommendable replacement Model E2E-Next series</p>
<p>M30 Pre-wired type (Non-shielded) E2A-M30KN20-WP-** / E2A- S30KN20-WP-** E2A-M30LN30-WP-** / E2A- S30LN30-WP-**</p>  <p>Note 1. 4-dia. vinyl-insulated round cable with 3 conductors (conductor cross section: 0.3 mm²; insulator diameter: 1.3 mm); standard length: 2 m 2. Operation indicator (yellow)</p>  <p>Note 1. 4-dia. vinyl-insulated round cable with 3 conductors (conductor cross section: 0.3 mm²; insulator diameter: 1.3 mm); standard length: 2 m 2. Operation indicator (yellow)</p>	<p>Please check the previous page.</p>
<p>M8 connector type with M12 size connector (Shielded) E2A-S08KS02-M1-** / E2A-S08LS02-M1-**</p>  <p>Note: Operation indicator (yellow LED, 4×90°)</p>  <p>Note: Operation indicator (yellow LED, 4×90°)</p>	<p>The dimension table of connector models for E2E-Next series is on the next page</p>
<p>M12 connector type with M12 size connector (Shielded) E2A-M12KS04-M1-** / E2A-S12KS04-M1-** E2A-M12LS04-M1-** / E2A-S12LS04-M1-**</p>  <p>Note 1: Operation indicator (yellow LED, 4×90°) Note 2: for NO+NC (-B3 / -C3) models the total length is 4 mm longer</p>	

**Product discontinuation
Model E2A**



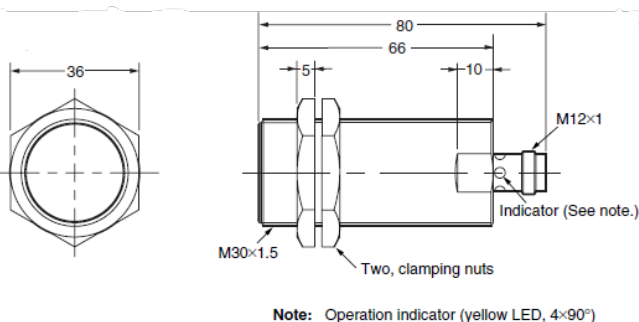
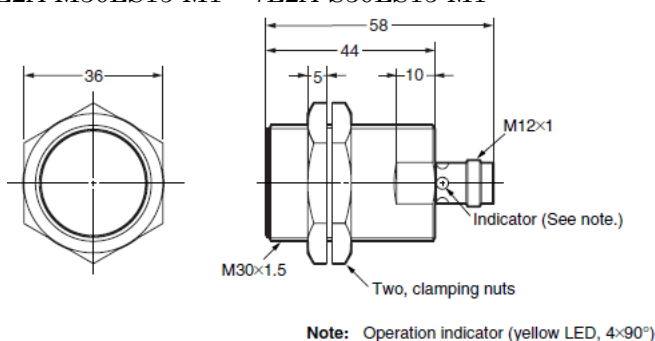
**M18 connector type with M12 size connector
(Shielded)**

E2A-M18KS08-M1-**/ E2A-S18KS08-M1-**
E2A-M18LS08-M1-**/ E2A-S18LS08-M1-**

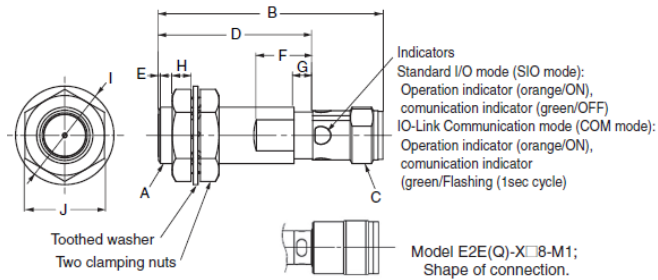


**M30 connector type with M12 size connector
(Shielded)**

E2A-M30KS15-M1-**/ E2A-S30KS15-M1-**
E2A-M30LS15-M1-**/ E2A-S30LS15-M1-**



**Recommendable replacement
Model E2E-Next series**



Shielded

Model	A	B	C	D	E	F ^{*1}	G ^{*2}	H	I	J
E2E(Q)-X□30 X□8-M3/M5	M8XP1	39	M8XP1	26	---	10 (8)	4	3	15	13
E2E(Q)-X□8-M1	M8XP1	43	M12XP1	26	---	10 (8)	4	3	15	13
E2E(Q)-X□12-M1	M12XP1	48	M12XP1	33	---	12 (10)	4	4	21	17
E2E(Q)-X□18-M1	M18XP1	53	M12XP1	38	---	12 (10)	4	4	29	24
E2E(Q)-X□30-M1	M30XP1.5	58	M12XP1	43	---	12 (10)	4	5	42	36
E2E-X□L8-M3/M5	M8XP1	49	M8XP1	36	---	8	---	3	15	13
E2E-X□L8-M1	M8XP1	53	M12XP1	36	---	8	---	3	15	13
E2E-X□L12-M1	M12XP1	70	M12XP1	55	---	10	---	4	21	17
E2E-X□L18-M1	M18XP1	75	M12XP1	60	---	10	---	4	29	24
E2E-X□L30-M1	M30XP1.5	80	M12XP1	65	---	10	---	5	42	36

Unshielded

Model	A	B	C	D	E ^{*3}	F	G ^{*2}	H	I	J
E2E-X□M□8-M3/M5	M8XP1	39	M8XP1	26	6	8	---	3	15	13
E2E-X□M□8-M1	M8XP1	43	M12XP1	26	6	8	---	3	15	13
E2E-X□M□12-M1	M12XP1	48	M12XP1	26	7	10	---	4	21	17
E2E-X□M□18-M1	M18XP1	53	M12XP1	38	10	10	---	4	29	24
E2E-X□M□30-M1	M30XP1.5	58	M12XP1	43	13	10	---	5	42	36
E2E-X□M□L8-M3-M5	M8XP1	49	M8XP1	36	6	8	---	3	15	13
E2E-X□M□L8-M1	M8XP1	53	M12XP1	36	6	8	---	3	15	13
E2E-X□M□L12-M1	M12XP1	70	M12XP1	55	7	10	---	4	21	17
E2EX□M□L18-M1	M18XP1	75	M12XP1	60	10	10	---	4	29	24
E2E-X□M□L30-M1	M30XP1.5	80	M12XP1	65	13 ⁽¹⁵⁾	10	---	5	42	36

Note.1: E2E-Next series has one toothed washer.

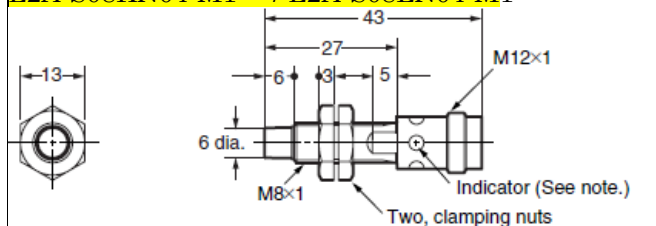
Note.2: E2E(Q) means E2EQ series and E2EQ series is for welding process type and has the threaded body and sensing head covered with the fluorine resin for spatter resistance.

Note.3: Fixing Nut set is as same as E2A series.

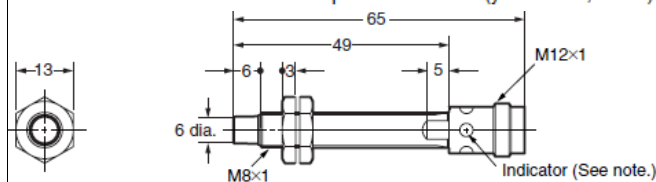
**Product discontinuation
Model E2A**

M8 connector type with M12 size connector
(Non-shielded)

E2A-S08KN04-M1-/ E2A-S08LN04-M1-****



Note: Operation indicator (yellow LED, 4×90°)

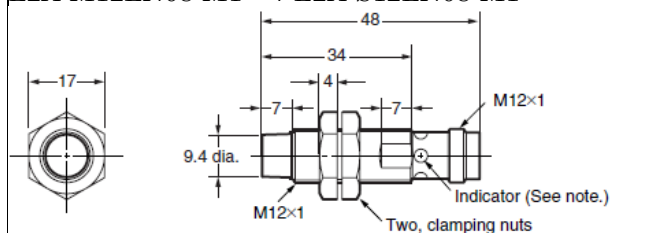


Note: Operation indicator (yellow LED, 4×90°)

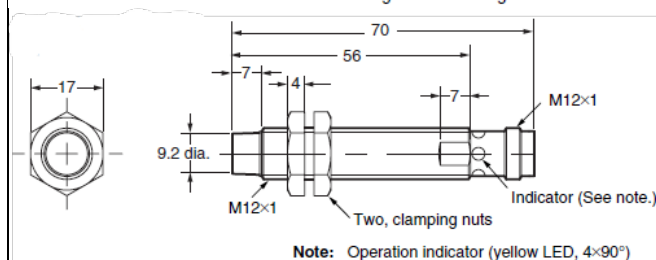
M12 connector type with M12 size connector
(Non-shielded)

E2A-M12KN08-M1-/ E2A-S12KN08-M1-****

E2A-M12LN08-M1-/ E2A-S12LN08-M1-****

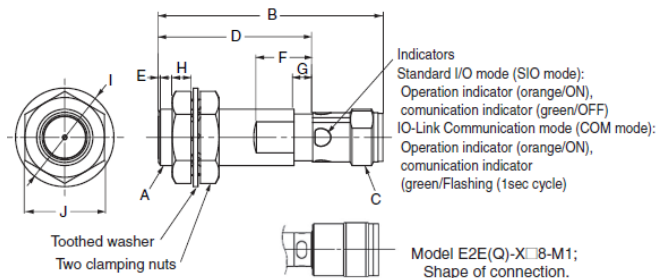


Note 1: Operation indicator (yellow LED, 4×90°)
Note 2: for NO+NC (-B3 / -C3) models the total length is 4 mm longer



Note: Operation indicator (yellow LED, 4×90°)

**Recommendable replacement
Model E2E-Next series**



Shielded

Model	A	B	C	D	E	F ^{*1}	G ^{*2}	H	I	J
E2E(Q)-X□30 X□8-M3/M5	M8XP1	39	M8XP1	26	---	10 (8)	4	3	15	13
E2E(Q)-X□8-M1	M8XP1	43	M12XP1	26	---	10 (8)	4	3	15	13
E2E(Q)-X□12-M1	M12XP1	48	M12XP1	33	---	12 (10)	4	4	21	17
E2E(Q)-X□18-M1	M18XP1	53	M12XP1	38	---	12 (10)	4	4	29	24
E2E(Q)-X□30-M1	M30XP1.5	58	M12XP1	43	---	12 (10)	4	5	42	36
E2E-X□L8-M3/M5	M8XP1	49	M8XP1	36	---	8	---	3	15	13
E2E-X□L8-M1	M8XP1	53	M12XP1	36	---	8	---	3	15	13
E2E-X□L12-M1	M12XP1	70	M12XP1	55	---	10	---	4	21	17
E2E-X□L18-M1	M18XP1	75	M12XP1	60	---	10	---	4	29	24
E2E-X□L30-M1	M30XP1.5	80	M12XP1	65	---	10	---	5	42	36

Unshielded

Model	A	B	C	D	E ^{*3}	F	G ^{*2}	H	I	J
E2E-X□M□8-M3/M5	M8XP1	39	M8XP1	26	6	8	---	3	15	13
E2E-X□M□8-M1	M8XP1	43	M12XP1	26	6	8	---	3	15	13
E2E-X□M□12-M1	M12XP1	48	M12XP1	26	7	10	---	4	21	17
E2E-X□M□18-M1	M18XP1	53	M12XP1	38	10	10	---	4	29	24
E2E-X□M□30-M1	M30XP1.5	58	M12XP1	43	13	10	---	5	42	36
E2E-X□M□L8-M3-M5	M8XP1	49	M8XP1	36	6	8	---	3	15	13
E2E-X□M□L8-M1	M8XP1	53	M12XP1	36	6	8	---	3	15	13
E2E-X□M□L12-M1	M12XP1	70	M12XP1	55	7	10	---	4	21	17
E2EX□M□L18-M1	M18XP1	75	M12XP1	60	10	10	---	4	29	24
E2E-X□M□L30-M1	M30XP1.5	80	M12XP1	65	10 (15)	10	---	5	42	36

Note.1: E2E-Next series has one toothed washer.

Note.2: E2E(Q) means E2EQ series and E2EQ series is for welding process type and has the threaded body and sensing head covered with the fluorine resin for spatter resistance.

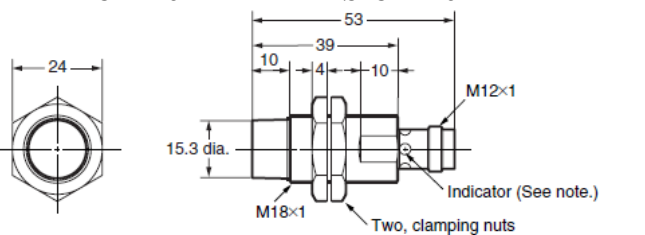
Note.3:
Fixing Nut set is as same as E2A series.

**Product discontinuation
Model E2A**

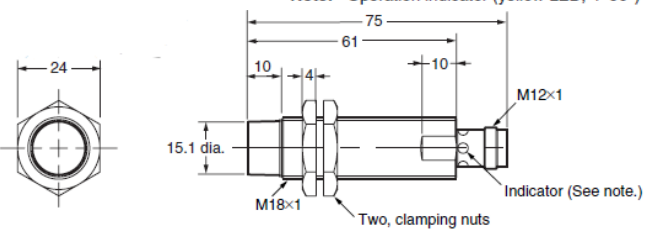
M18 connector type with M12 size connector
(Non-shielded)

E2A-M18KN16-M1-*/ E2A-S18KN16-M1-*

E2A-M18LN16-M1-*/ E2A-S18LN16-M1-*



Note: Operation indicator (yellow LED, 4×90°)

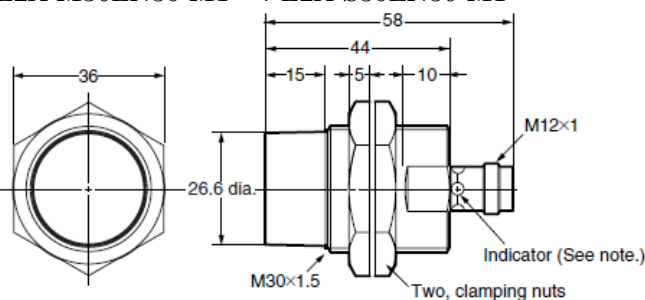


Note: Operation indicator (yellow LED, 4×90°)

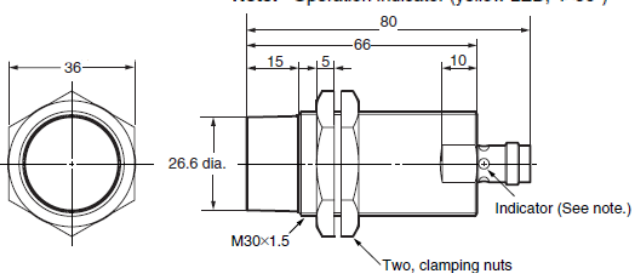
M30 connector type with M12 size connector
(Non-shielded)

E2A-M30KN20-M1-*/ E2A-S30KN20-M1-*

E2A-M30LN30-M1-*/ E2A-S30LN30-M1-*

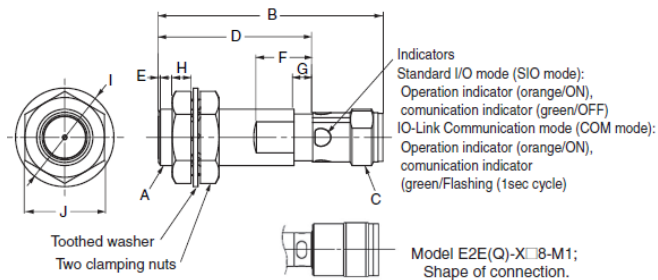


Note: Operation indicator (yellow LED, 4×90°)



Note: Operation indicator (yellow LED, 4×90°)

**Recommendable replacement
Model E2E-Next series**



Shielded

Model	A	B	C	D	E	F ^{*1}	G ^{*2}	H	I	J
E2E(Q)-X□30 X□8-M3/M5	M8XP1	39	M8XP1	26	---	10 (8)	4	3	15	13
E2E(Q)-X□8-M1	M8XP1	43	M12XP1	26	---	10 (8)	4	3	15	13
E2E(Q)-X□12-M1	M12XP1	48	M12XP1	33	---	12 (10)	4	4	21	17
E2E(Q)-X□18-M1	M18XP1	53	M12XP1	38	---	12 (10)	4	4	29	24
E2E(Q)-X□30-M1	M30XP1.5	58	M12XP1	43	---	12 (10)	4	5	42	36
E2E-X□L8-M3/M5	M8XP1	49	M8XP1	36	---	8	---	3	15	13
E2E-X□L8-M1	M8XP1	53	M12XP1	36	---	8	---	3	15	13
E2E-X□L12-M1	M12XP1	70	M12XP1	55	---	10	---	4	21	17
E2E-X□L18-M1	M18XP1	75	M12XP1	60	---	10	---	4	29	24
E2E-X□L30-M1	M30XP1.5	80	M12XP1	65	---	10	---	5	42	36

Unshielded

Model	A	B	C	D	E ^{*3}	F	G ^{*2}	H	I	J
E2E-X□M□8-M3/M5	M8XP1	39	M8XP1	26	6	8	---	3	15	13
E2E-X□M□8-M1	M8XP1	43	M12XP1	26	6	8	---	3	15	13
E2E-X□M□12-M1	M12XP1	48	M12XP1	26	7	10	---	4	21	17
E2E-X□M□18-M1	M18XP1	53	M12XP1	38	10	10	---	4	29	24
E2E-X□M□30-M1	M30XP1.5	58	M12XP1	43	13	10	---	5	42	36
E2E-X□M□L8-M3-M5	M8XP1	49	M8XP1	36	6	8	---	3	15	13
E2E-X□M□L8-M1	M8XP1	53	M12XP1	36	6	8	---	3	15	13
E2E-X□M□L12-M1	M12XP1	70	M12XP1	55	7	10	---	4	21	17
E2EX□M□L18-M1	M18XP1	75	M12XP1	60	10	10	---	4	29	24
E2E-X□M□L30-M1	M30XP1.5	80	M12XP1	65	130 (15)	10	---	5	42	36

Note.1: E2E-Next series has one toothed washer.

Note.2: E2E(Q) means E2EQ series and E2EQ series is for welding process type and has the threaded body and sensing head covered with the fluorine resin for spatter resistance.

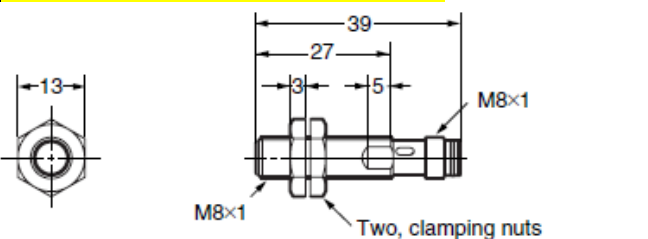
Note.3: Fixing Nut set is as same as E2A series.

**Product discontinuation
Model E2A**

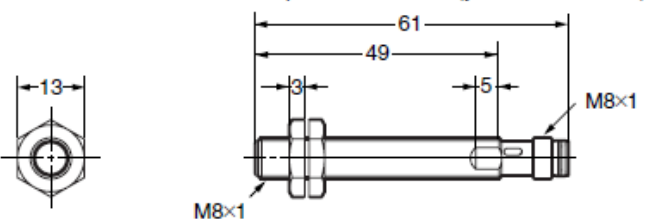
M8 connector type with M8 size connector (Shielded)

E2A-S08KS02-M5-*/ E2A-S08KS02-M3-*

E2A-S08LS02-M5-*/ E2A-S08LS02-M3-*



Note: Operation indicator (yellow LED, 4×90°)

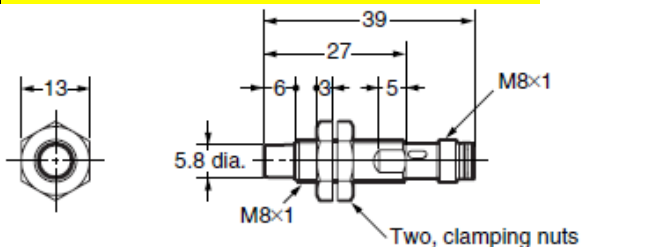


Note: Operation indicator (yellow LED, 4×90°)

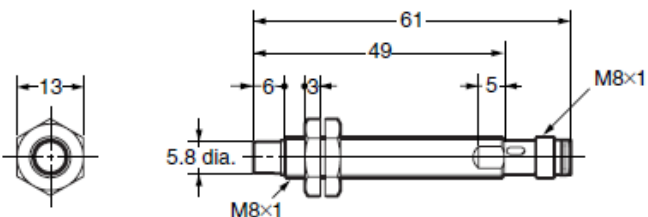
M8 connector type with M8 size connector (Non-shielded)

E2A-S08KN04-M5-*/ E2A-S08KN04-M3-*

E2A-S08LN04-M5-*/ E2A-S08LN04-M3-*

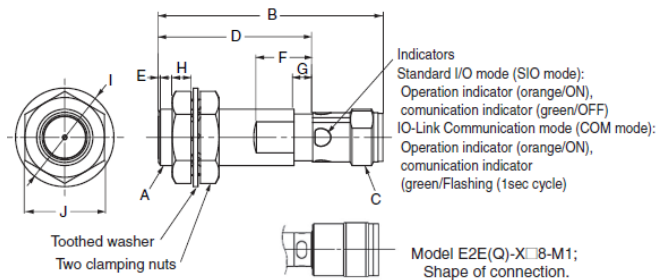


Note: Operation indicator (yellow LED, 4×90°)



Note: Operation indicator (yellow LED, 4×90°)

**Recommendable replacement
Model E2E-Next series**



Shielded

Model	A	B	C	D	E	F ^{*1}	G ^{*2}	H	I	J
E2E(Q)-X□30 X□8-M3/M5	M8XP1	39	M8XP1	26	---	10 (8)	4	3	15	13
E2E(Q)-X□8-M1	M8XP1	43	M12XP1	26	---	10 (8)	4	3	15	13
E2E(Q)-X□12-M1	M12XP1	48	M12XP1	33	---	12 (10)	4	4	21	17
E2E(Q)-X□18-M1	M18XP1	53	M12XP1	38	---	12 (10)	4	4	29	24
E2E(Q)-X□30-M1	M30XP1.5	58	M12XP1	43	---	12 (10)	4	5	42	36
E2E-X□L8-M3/M5	M8XP1	49	M8XP1	36	---	8	---	3	15	13
E2E-X□L8-M1	M8XP1	53	M12XP1	36	---	8	---	3	15	13
E2E-X□L12-M1	M12XP1	70	M12XP1	55	---	10	---	4	21	17
E2E-X□L18-M1	M18XP1	75	M12XP1	60	---	10	---	4	29	24
E2E-X□L30-M1	M30XP1.5	80	M12XP1	65	---	10	---	5	42	36

Unshielded

Model	A	B	C	D	E ^{*3}	F	G ^{*2}	H	I	J
E2E-X□M□8-M3/M5	M8XP1	39	M8XP1	26	6	8	---	3	15	13
E2E-X□M□8-M1	M8XP1	43	M12XP1	26	6	8	---	3	15	13
E2E-X□M□12-M1	M12XP1	48	M12XP1	26	7	10	---	4	21	17
E2E-X□M□18-M1	M18XP1	53	M12XP1	38	10	10	---	4	29	24
E2E-X□M□30-M1	M30XP1.5	58	M12XP1	43	13	10	---	5	42	36
E2E-X□M□L8-M3-M5	M8XP1	49	M8XP1	36	6	8	---	3	15	13
E2E-X□M□L8-M1	M8XP1	53	M12XP1	36	6	8	---	3	15	13
E2E-X□M□L12-M1	M12XP1	70	M12XP1	55	7	10	---	4	21	17
E2EX□M□L18-M1	M18XP1	75	M12XP1	60	10	10	---	4	29	24
E2E-X□M□L30-M1	M30XP1.5	80	M12XP1	65	10 ⁽¹⁵⁾	10	---	5	42	36

Note.1: E2E-Next series has one toothed washer.

Note.2: E2E(Q) means E2EQ series and E2EQ series is for welding process type and has the threaded body and sensing head covered with the fluorine resin for spatter resistance.

Note.3: Fixing Nut set is as same as E2A series.

[The difference of characteristics and operation ratings.]

Item	Product discontinuation Model E2A series	Recommendable replacement Model E2E-Next series
Differential travel	10% max of sensing distance	15% max of sensing distance
Power supply voltage	12 to 24 VDC. Ripple(p-p): 10% max.	10 to 30 VDC (including 10% ripple (p-p)), Class 2
Load current (M8)	200 mA max. (32 VDC max.) When using any model at an ambient temperature between -40°C and -25°C and a power voltage between 30 and 32 VDC, use a load current of 100 mA max.,	1-output models: 10 to 30 VDC, Class 2, 200 mA max., (-40 to 70° C), 100 mA max., (70 to 85° C) 2-output models: 10 to 30 VDC, Class 2, 50 mA max.
Load current (Other than M8 size)		1-output models: 10 to 30 VDC, Class 2, 200 mA max., 2-output models: 10 to 30 VDC, Class 2, 100 mA max.
Current consumption	10mA max.	1-output models: 16 mA max. 2-output models: 20 mA max.
Ambient air temperature	Operating: -40°C to 70°C, Storage: -40 to 85 (with no icing or condensation)	Operating/Storage: -40 to 85°C (with no icing or condensation) Note: The UL temperature rating for M12 Pre-wired Connector Models is -25 to 70°C.
Temperature influence	± 10% max. of sensing distance at 23°C within temperature range of -25°C to 70°C ± 15% max. of sensing distance at 23°C within temperature range of -40°C to 70°C	± 10% max. of sensing distance at 23°C in the temperature range of -25 to 70°C ± 15% max. of sensing distance at 23°C in the temperature range of -40 to 85°C

Specifications and prices in this product news are as of the issue date and are subject to change without notice. Only main changes in specifications are described in this document. Please be sure to read the relevant catalogs, datasheets, product specifications, instructions, and manuals for precautions and necessary information when using products.