

**Discontinuation Notice of Cylindrical Proximity Sensor E2GN Series.  
(Only for Indonesia)****Product Discontinuation**

Cylindrical Proximity Sensor

**Model E2GN-ID M12 PW(S/N) series  
Model E2GN-ID M18 PW(S/N) series****Recommended Replacement**

Cylindrical Proximity Sensor

**Model E2B-M M12 PW(S/N) series  
Model E2B-M M18 PW(S/N) series****[ Discontinuation date ]**

The end of March, 2014

**[ Caution on recommended replacement ]**

- 1) Please pay attention on the body color. The color of the recommended replacement is black.
- 2) The cable of E2B series is only dia. 4.mm.
- 3) The sensing distance of E2B M18 non-shield series is changed to 10 mm.

**[ Difference from discontinued product ]**

Recommended replacement Model	Body Color	Dimensions	Wire connection	Mounting Dimensions	Characteristics	Operation ratings	Operation methods
E2B M12 PW(S/N) series	--	*	**	**	*	*	*
E2B M18 PW(S/N) series	--	--	**	**	*	*	*

\*\* : Compatible

\* : The change is a little/Almost compatible

-- : Not compatible

- : No corresponding specification

**[ Product Discontinuation and recommended replacement ]**

Product discontinuation	Recommended replacement
E2GN-M12KN05-WP-B1-ID 2M	E2B-M12KN05-WP-B1 2M
E2GN-M12KN05-WP-B1-ID 5M	E2B-M12KN05-WP-B1 5M
E2GN-M12KN05-WP-C1-ID 2M	E2B-M12KN05-WP-C1 2M
E2GN-M12KN05-WP-C1-ID 5M	E2B-M12KN05-WP-C1 5M
E2GN-M12KS02-WP-B1-ID 2M	E2B-M12KS02-WP-B1 2M
E2GN-M12KS02-WP-B1-ID 5M	E2B-M12KS02-WP-B1 5M
E2GN-M12KS02-WP-C1-ID 2M	E2B-M12KS02-WP-C1 2M
E2GN-M12KS02-WP-C1-ID 5M	E2B-M12KS02-WP-C1 5M
E2GN-M18KN08-WS-B1-ID 2M	E2B-M18KN08-WS-B1 2M
E2GN-M18KN08-WS-B1-ID 5M	E2B-M18KN08-WS-B1 5M
E2GN-M18KN08-WS-C1-ID 2M	E2B-M18KN08-WS-C1 2M
E2GN-M18KN08-WS-C1-ID 5M	E2B-M18KN08-WS-C1 5M
E2GN-M18KS05-WS-B1-ID 2M	E2B-M18KS05-WS-B1 2M
E2GN-M18KS05-WS-B1-ID 5M	E2B-M18KS05-WS-B1 5M
E2GN-M18KS05-WS-C1-ID 2M	E2B-M18KS05-WS-C1 2M
E2GN-M18KS05-WS-C1-ID 5M	E2B-M18KS05-WS-C1 5M

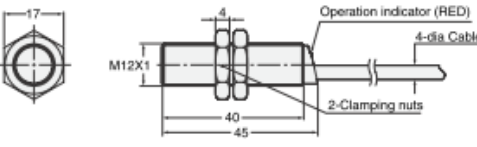
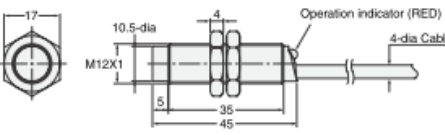
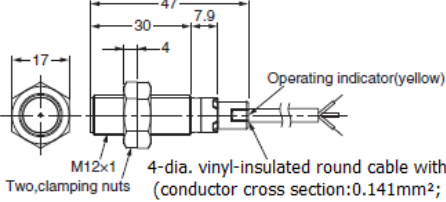
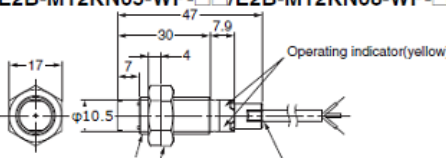
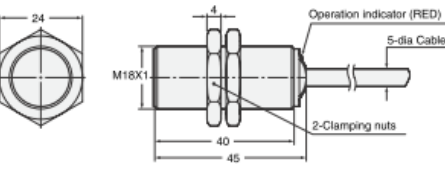
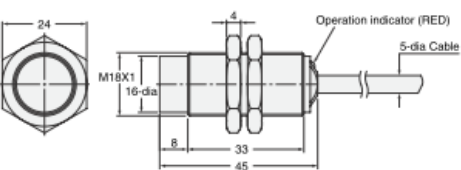
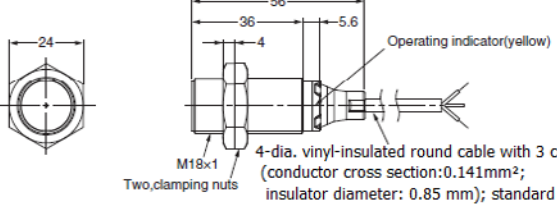
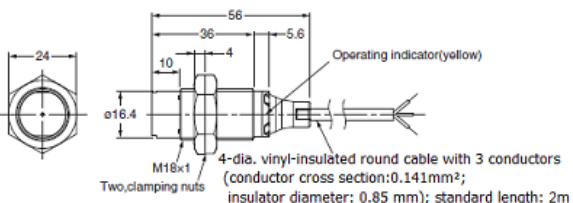
**[Body color]**

Product discontinuation Model E2GN-ID	Recommendable replacement Model E2B
Sensing Surface: Light green	Sensing Surface: Black

**[ Wire connection ]**

Product discontinuation	Recommendable replacement
<p><b>PNP output</b> E2GN-M12KS02-WP-B1    E2GN-M12KN05-WP-B1 E2GN-M18KS05-WS-B1    E2GN-M18KN08-WS-B1</p> <p>Note: ① ③ ④ are the pins' numbers of the Connector.</p>	<p><b>E2B-M12□-□-B□</b> <b>E2B-M18□-□-B□</b></p>
<p><b>NPN output</b> E2GN-M12KS02-WP-C1    E2GN-M12KN05-WP-C1 E2GN-M18KS05-WS-C1    E2GN-M18KN08-WS-C1</p>	<p><b>E2B-M12□-□-C□</b> <b>E2B-M18□-□-C□</b></p>

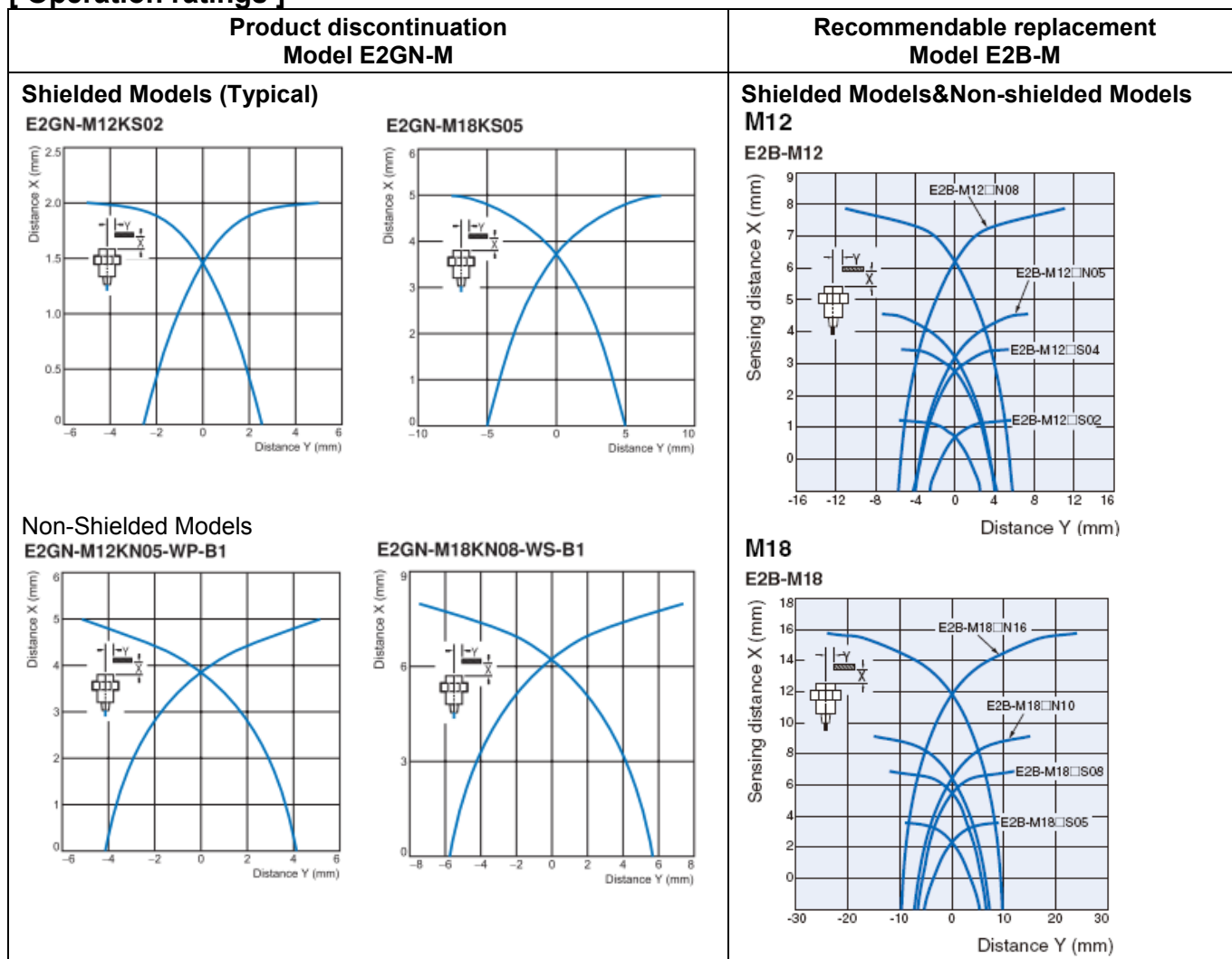
**[ Dimensions ]**

<p align="center"><b>Product discontinuation Model E2GN-ID</b></p>	<p align="center"><b>Recommendable replacement Model E2B</b></p>
<p><b>E2GN-M12KS02-WP-B1</b> <b>E2GN-M12KS02-WP-C1</b></p>  <p>Operation indicator (RED) 4-dia Cable 2-Clamping nuts M12X1 40 45 17 4</p> <p><b>E2GN-M12KN05-WP-B1</b> <b>E2GN-M12KN05-WP-C1</b></p>  <p>Operation indicator (RED) 4-dia Cable 2-Clamping nuts M12X1 10.5-dia 35 45 17 4 5</p>	<p><b>E2B-M12KS02-WP-□□/ E2B-M12KS04-WP-□□</b></p>  <p>Operating indicator(yellow) 4-dia. vinyl-insulated round cable with 3 conductors (conductor cross section:0.141mm<sup>2</sup>; insulator diameter: 0.85 mm); standard length: 2m Two,clamping nuts M12x1 47 30 7.9 4 17</p> <p><b>E2B-M12KN05-WP-□□/ E2B-M12KN08-WP-□□</b></p>  <p>Operating indicator(yellow) 4-dia. vinyl-insulated round cable with 3 conductors (conductor cross section:0.141mm<sup>2</sup>; insulator diameter: 0.85 mm); standard length: 2m Two,clamping nuts M12x1 47 30 7.9 10.5 17</p>
<p><b>E2GN-M18KS05-WS-B1</b> <b>E2GN-M18KS05-WS-C1</b></p>  <p>Operation indicator (RED) 5-dia Cable 2-Clamping nuts M18X1 40 45 24 4</p> <p><b>E2GN-M18KN08-WS-B1</b> <b>E2GN-M18KN08-WS-C1</b></p>  <p>Operation indicator (RED) 5-dia Cable 2-Clamping nuts M18X1 16-dia 33 45 24 4 8</p>	<p><b>E2B-M18KS05-WP-□□/ E2B-M18KS08-WP-□□</b></p>  <p>Operating indicator(yellow) 4-dia. vinyl-insulated round cable with 3 conductors (conductor cross section:0.141mm<sup>2</sup>; insulator diameter: 0.85 mm); standard length: 2m Two,clamping nuts M18x1 56 36 5.6 4 24</p> <p><b>E2B-M18KN10-WP-□□/ E2B-M18KN16-WP-□□</b></p>  <p>Operating indicator(yellow) 4-dia. vinyl-insulated round cable with 3 conductors (conductor cross section:0.141mm<sup>2</sup>; insulator diameter: 0.85 mm); standard length: 2m Two,clamping nuts M18x1 56 36 5.6 10 24 16.4</p>

## [ Characteristics ]

Item	Product discontinuation Model E2GN-ID	Recommendable replacement Model E2B
Sensing distance	E2GN-M12KS02□□ 2 mm	E2B-M12KS02□□ 2 mm
	E2GN-M12KN05□□ 5 mm	E2B-M12KN05□□ 5 mm
	E2GN-M18KS05□□ 5 mm	E2B-M18KS05□□ 5 mm
	E2GN-M18KN08□□ 8 mm	E2B-M18KN10□□ 10 mm
Power supply voltage	10 to 30 VDC, Ripple (p-p): 10% max.	10 to 30 VDC, Ripple (p-p): 10% max.
Output type	-B1 models: PNP open collector -C1 models: NPN open collector	-B models: PNP open collector -C models: NPN open collector
Residual voltage	3 V max. (load current: 200 mA, cable length: 2 m)	2 V max. (under load current of 200 mA with cable length of 2 m)
Indicator	Red	Yellow
Operation mode	NO	-B1/-C1 models: NO
Protection circuits	Reversed power supply polarity protection, Output short-circuit protection, Reversed output polarity protection	Output reverse polarity protection, Power source circuit reverse polarity protection, Surge suppressor, Short-circuit protection
Degree of protection	IEC60529: IP67, EN60947-5-2: EMC	IP67

## [ Operation ratings ]



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.