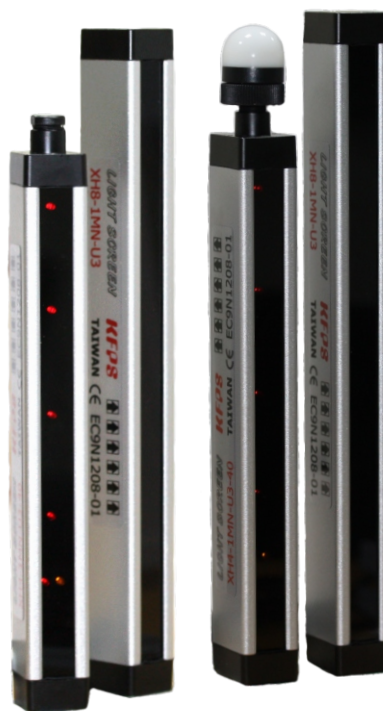


XH-U3 Series

- Compact profile designed to fit into an aluminum frame.
- The sensing position of detected objects are easily visible and including large visible action indicator.
- Various detection distance (0~1.5M/0~5M), detection height (120~1240mm) and beam-pitch (25/40mm).
- Equipped with Light ON and Dark NO two functions.
- Good environmental resistance up to IP65 and all products are CE approved.



Model Number	Switching output	Sensing Distance	Number of Beams	Beam Pitch	Detection Height	Light Curtain Height
XH8-1MN-U3	NPN NO & NC	0 ~ 1.5M	8	25mm	175mm	263mm
XH8-5MN-U3		0 ~ 5M				
XH8-1MP-U3	PNP NO & NC	0 ~ 1.5M				
XH8-5MP-U3		0 ~ 5M				
XH12-1MN-U3	NPN NO & NC	0 ~ 1.5M	12		275mm	363mm
XH12-5MN-U3		0 ~ 5M				
XH12-1MP-U3	PNP NO & NC	0 ~ 1.5M				
XH12-5MP-U3		0 ~ 5M				
XH16-1MN-U3	NPN NO & NC	0 ~ 1.5M	16		375mm	463mm
XH16-5MN-U3		0 ~ 5M				
XH16-1MP-U3	PNP NO & NC	0 ~ 1.5M				
XH16-5MP-U3		0 ~ 5M				
XH20-1MN-U3	NPN NO & NC	0 ~ 1.5M	20		475mm	563mm
XH20-5MN-U3		0 ~ 5M				
XH20-1MP-U3	PNP NO & NC	0 ~ 1.5M				
XH20-5MP-U3		0 ~ 5M				
XH24-1MN-U3	NPN NO & NC	0 ~ 1.5M	24	575mm	663mm	
XH24-5MN-U3		0 ~ 5M				
XH24-1MP-U3	PNP NO & NC	0 ~ 1.5M				
XH24-5MP-U3		0 ~ 5M				

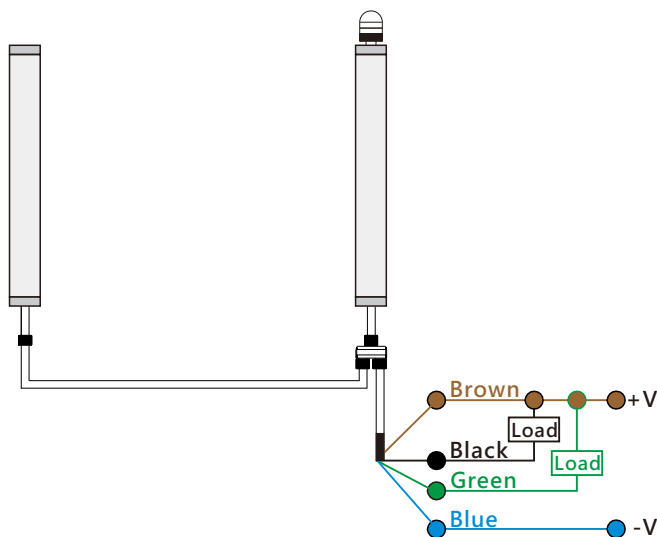
XH4-1MN-U3-40	NPN NO & NC	0 ~ 1.5M	4	40mm	120mm	215mm
XH4-5MN-U3-40		0 ~ 5M				
XH4-1MP-U3-40	PNP NO & NC	0 ~ 1.5M	6		200mm	295mm
XH4-5MP-U3-40		0 ~ 5M				
XH6-1MN-U3-40	NPN NO & NC	0 ~ 1.5M	8		280mm	375mm
XH6-5MN-U3-40		0 ~ 5M				
XH6-1MP-U3-40	PNP NO & NC	0 ~ 1.5M	12		440mm	535mm
XH6-5MP-U3-40		0 ~ 5M				
XH8-1MN-U3-40	NPN NO & NC	0 ~ 1.5M	16		600mm	695mm
XH8-5MN-U3-40		0 ~ 5M				
XH8-1MP-U3-40	PNP NO & NC	0 ~ 1.5M	20		760mm	855mm
XH8-5MP-U3-40		0 ~ 5M				
XH12-1MN-U3-40	NPN NO & NC	0 ~ 1.5M	24		920mm	1015mm
XH12-5MN-U3-40		0 ~ 5M				
XH12-1MP-U3-40	PNP NO & NC	0 ~ 1.5M	32		1240mm	1335mm
XH12-5MP-U3-40		0 ~ 5M				
XH16-1MN-U3-40	NPN NO & NC	0 ~ 1.5M	32		1240mm	1335mm
XH16-5MN-U3-40		0 ~ 5M				
XH16-1MP-U3-40	PNP NO & NC	0 ~ 1.5M	32		1240mm	1335mm
XH16-5MP-U3-40		0 ~ 5M				
XH20-1MN-U3-40	NPN NO & NC	0 ~ 1.5M	32		1240mm	1335mm
XH20-5MN-U3-40		0 ~ 5M				
XH20-1MP-U3-40	PNP NO & NC	0 ~ 1.5M	32		1240mm	1335mm
XH20-5MP-U3-40		0 ~ 5M				
XH24-1MN-U3-40	NPN NO & NC	0 ~ 1.5M	32		1240mm	1335mm
XH24-5MN-U3-40		0 ~ 5M				
XH24-1MP-U3-40	PNP NO & NC	0 ~ 1.5M	32		1240mm	1335mm
XH24-5MP-U3-40		0 ~ 5M				
XH32-1MN-U3-40	NPN NO & NC	0 ~ 1.5M	32		1240mm	1335mm
XH32-5MN-U3-40		0 ~ 5M				
XH32-1MP-U3-40	PNP NO & NC	0 ~ 1.5M	32		1240mm	1335mm
XH32-5MP-U3-40		0 ~ 5M				

Item	Specifications
Sensing method	Through-beam
Standard sensing object	Beam-Pitch 25mm : Opaque $\varnothing$ 35mm Beam-Pitch 40mm : Opaque $\varnothing$ 50mm
Operating voltage	12~24VDC $\pm$ 10%
Response time	< 24ms
Load current	< 200mA
Light source	Infrared LED
Operation indicator	Yellow LED
Circuits protection	Reversed polarity & Short circuit protection
Enclosure protection	IEC IP65
Ambient temperature & humidity range	Operating : -10 ~ 55°C / RH 35 ~ 85% (with no icing or condensation)

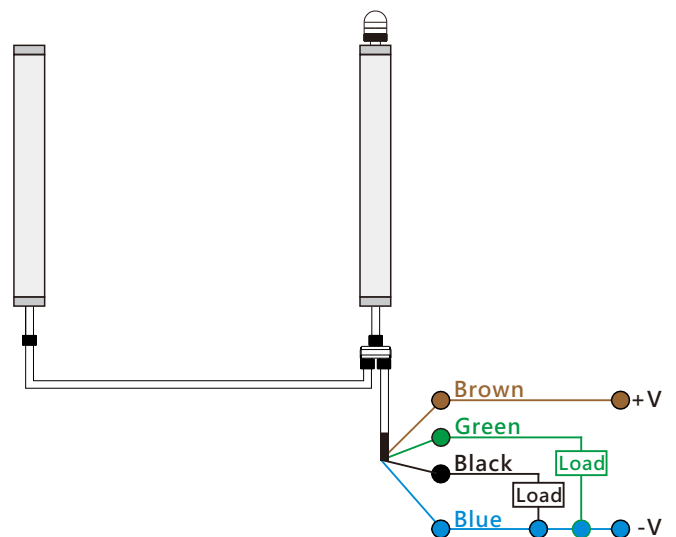
Ambient illumination	Lamplight < 3000 Lux / Sunlight < 10000 Lux
Housing material	Case : Aluminum 、 Cast Iron / Lens : Acrylic
Connecting method	Cable with M12 Plug Connector
Accessories	Mounting bracket 、 Screws 、 Operation indicator

Wiring Diagram

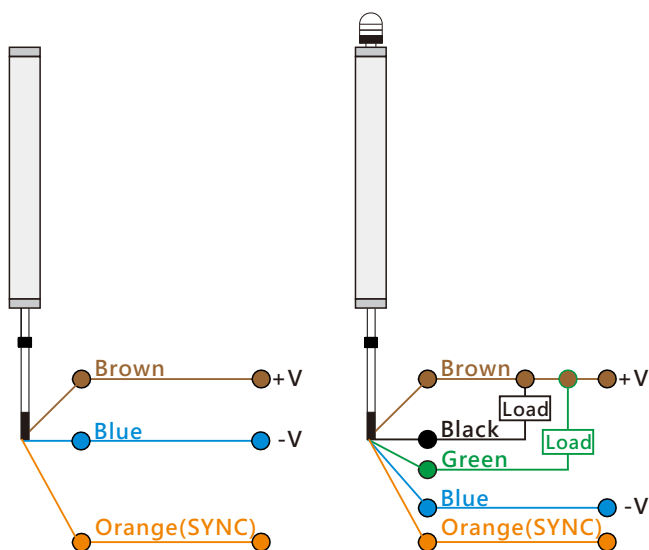
NPN NO&NC Type
Y-connecting method



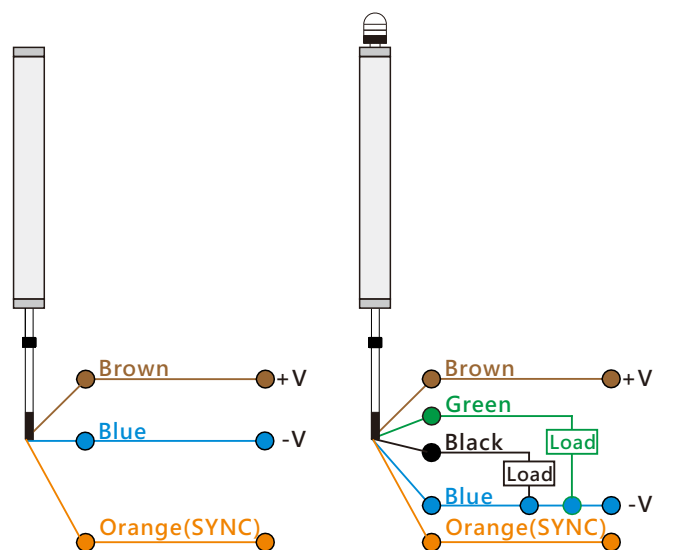
PNP NO&NC Type
Y-connecting method



NPN NO&NC Type
Direct connecting method

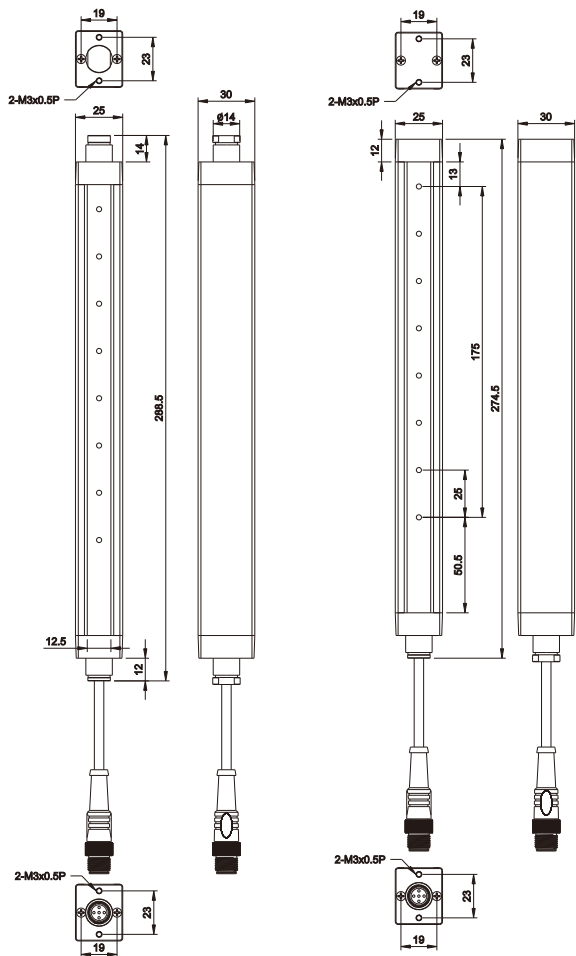


PNP NO&NC Type
Direct connecting method

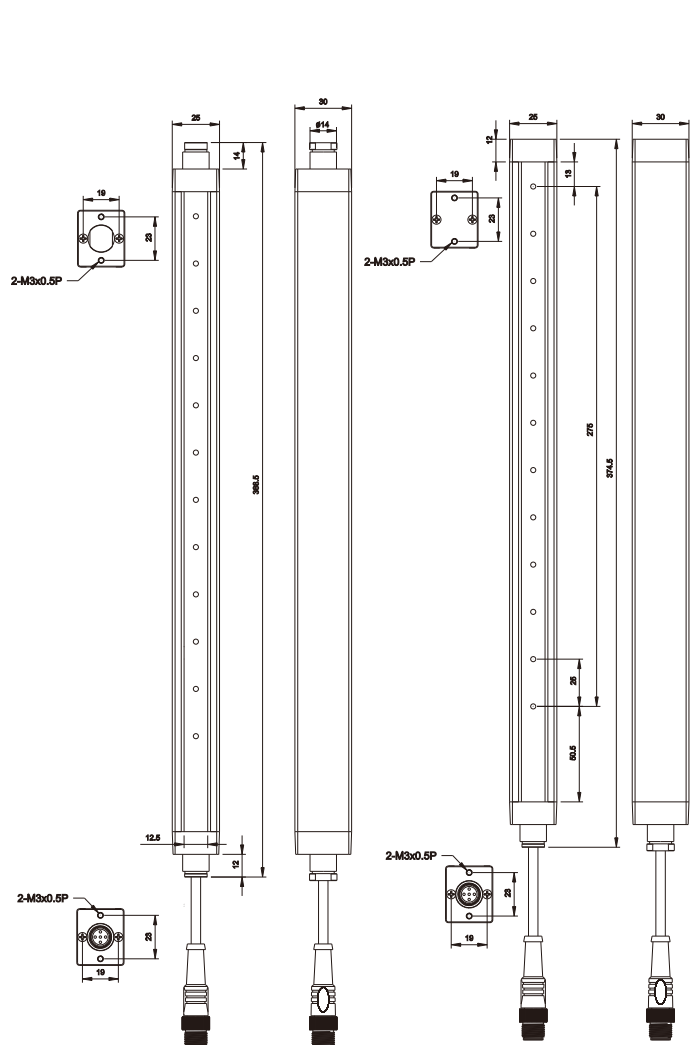


Dimension

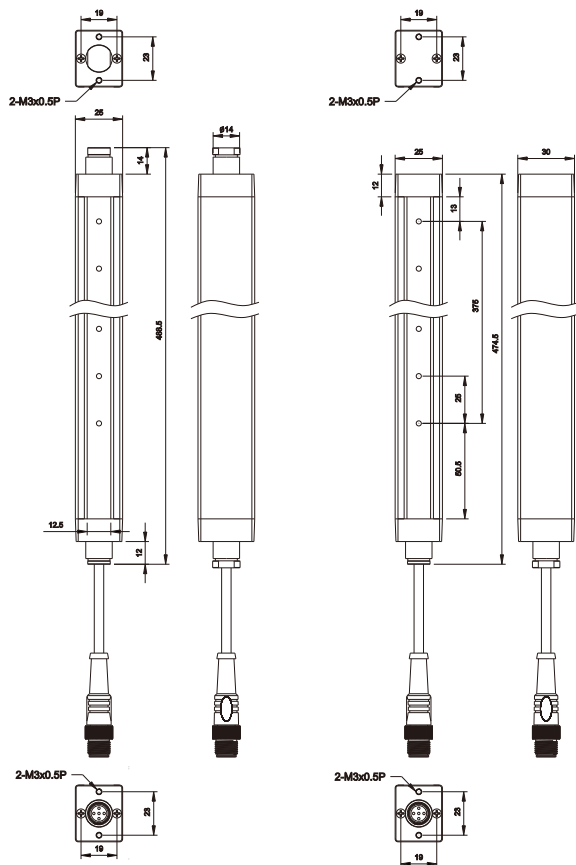
XH8-1(5)M□ -U3



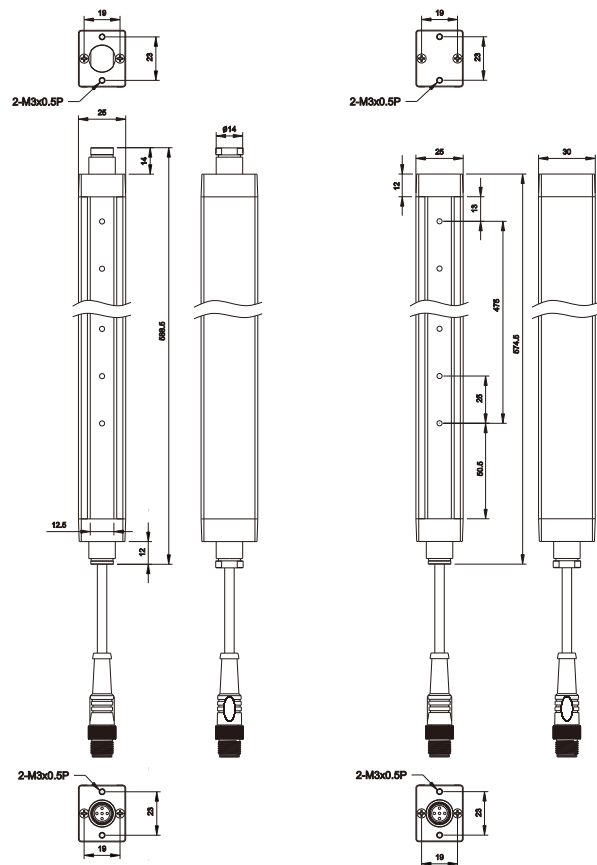
XH12-1(5)M□ -U3



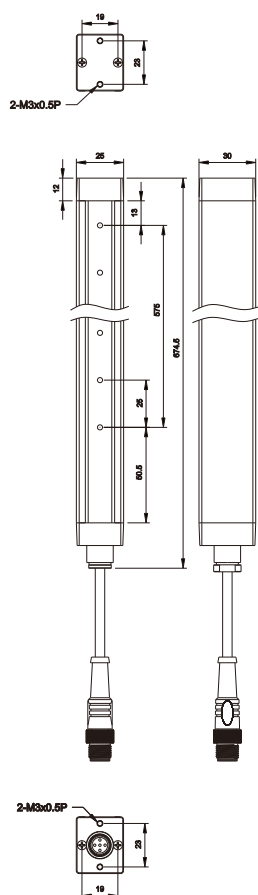
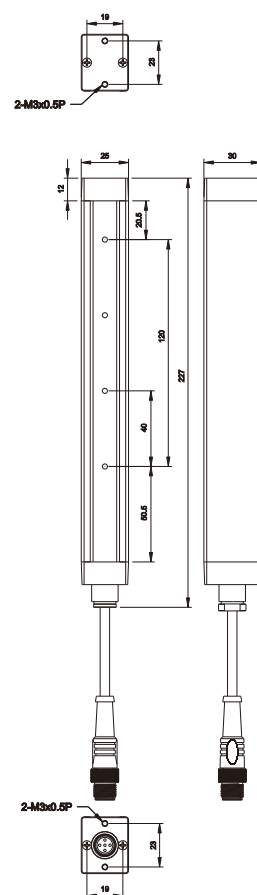
XH16-1(5)M□ -U3



XH20-1(5)M□ -U3



XH24-1(5)M□ -U3

[illegible]

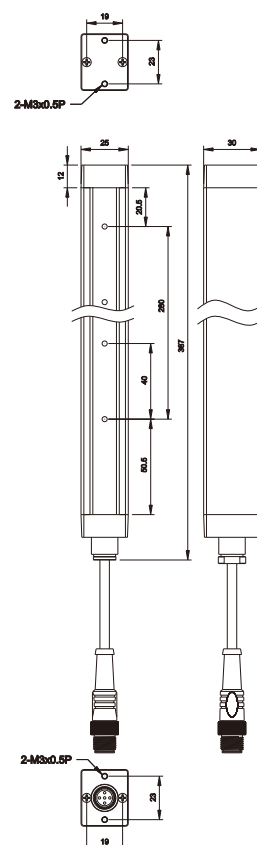
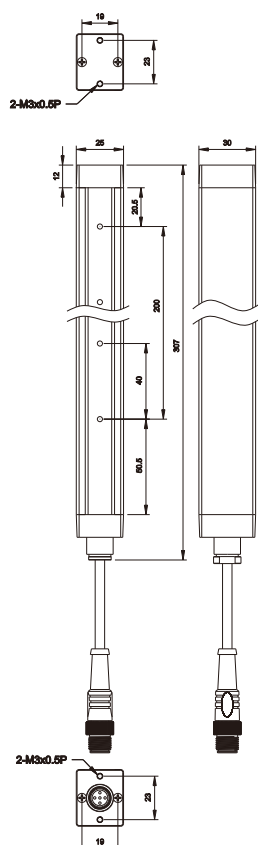
Technical drawing of the 2-M3x0.5P cable assembly, showing front and side views with dimensions.

Front View Dimensions:

- Top flange outer diameter: 19
- Top flange thickness: 4
- Top flange hole diameter: 2-M3x0.5P
- Main body outer diameter: 25
- Main body length: 150
- Bottom flange thickness: 12.5
- Bottom flange hole diameter: 2-M3x0.5P
- Bottom flange outer diameter: 19
- Bottom flange hole diameter: 2-M3x0.5P

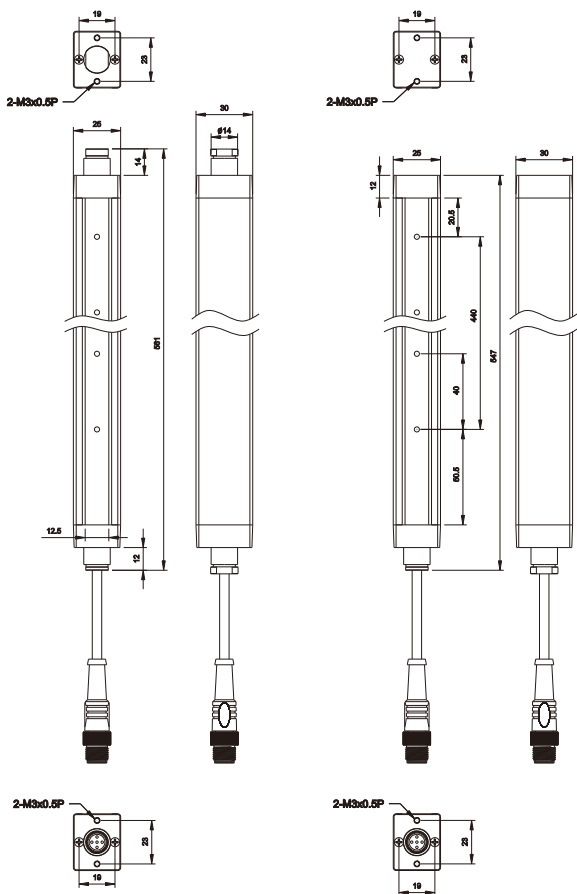
Side View Dimensions:

- Top flange outer diameter: 30
- Top flange hole diameter: 14
- Main body outer diameter: 25
- Main body length: 150
- Bottom flange outer diameter: 30
- Bottom flange hole diameter: 14

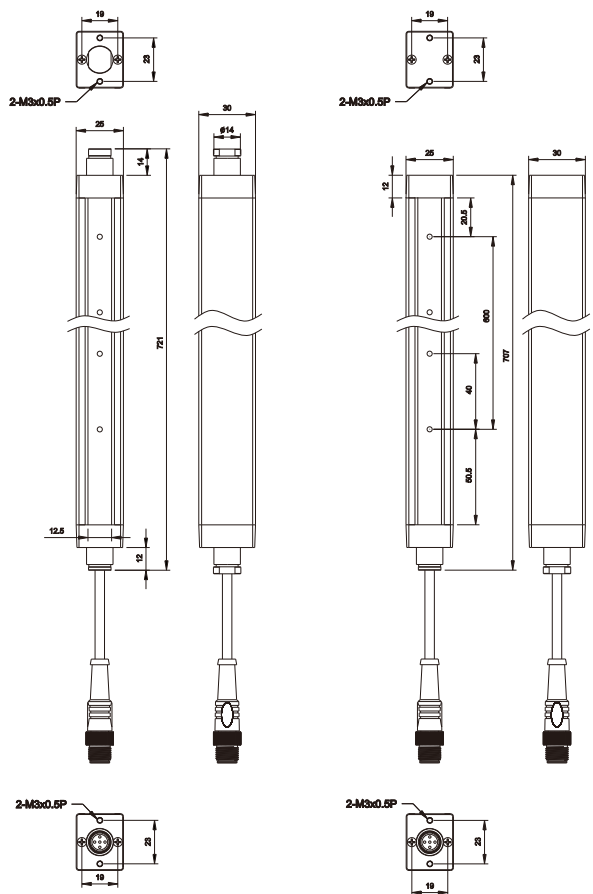


Dimension

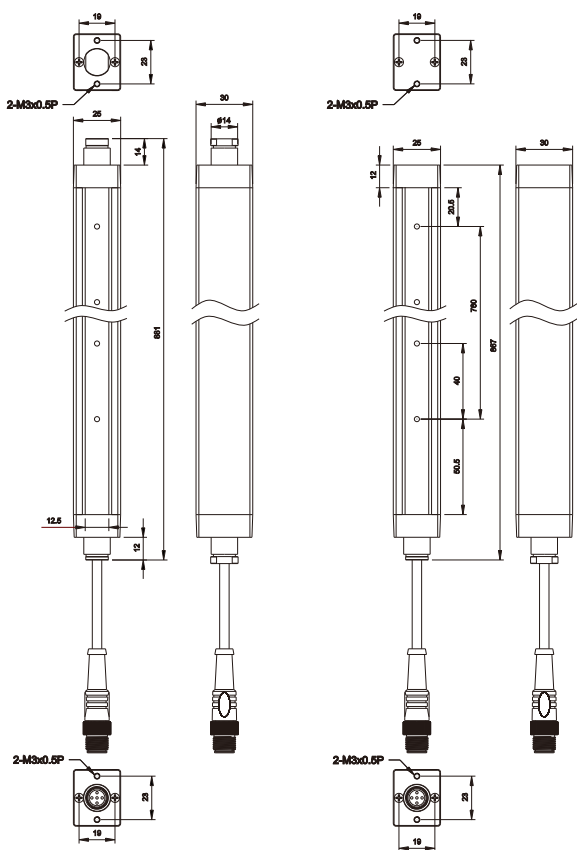
XH12-1(5)M□ -U3-40



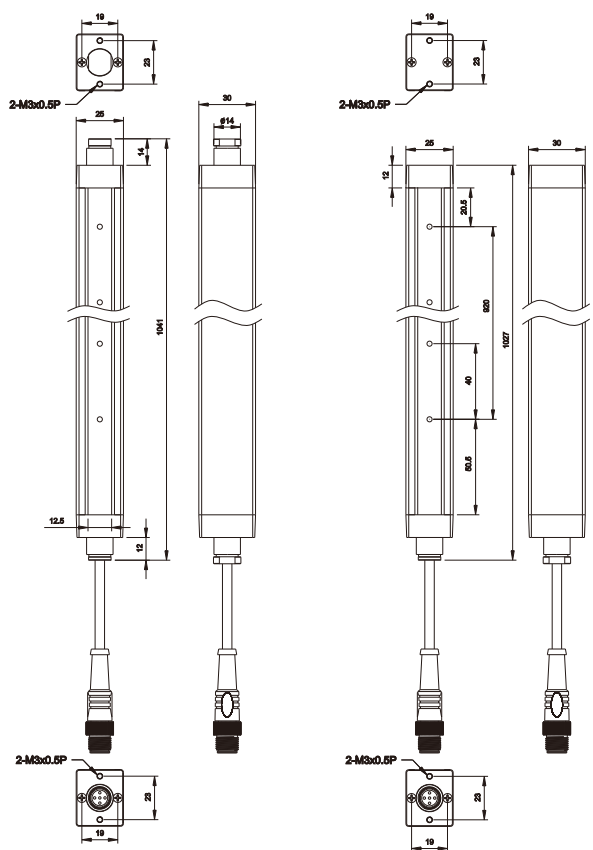
XH16-1(5)M□ -U3-40



XH20-1(5)M□ -U3-40



XH24-1(5)M□ -U3-40



Dimension

XH32-1(5)M□ -U3-40

