

# Product Discontinuation Notices

Issue Date September 1, 2024

No. 2025003EN

### **Product Discontinuation**

Picking Sensor



F3W-E032 series F39-LE series



Picking Sensor F3W-D052 series F39-L1 series

**Recommended Replacement** 

### [Final order entry date]

The end of June, 2025.

### [Date of The Last Shipping]

The end of September, 2025.

### [ Caution on recommended replacement ]

When replacing, please assess the impact on actual application based on the differences between the terminated product and the recommended replacement product.

#### [Difference from discontinued product]

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Recommended replacement Model	Body Color	Dimen- sions	Wire connection	Mounting Dimensions	Charac- teristics	Operation ratings	Operation methods
F3W-D052A 2M	*				*	*	*
F3W-D052AP 2M	*				*	*	*
F3W-D052B 1M	*				*	*	*
F3W-D052BP 2M	*				*	*	*
F3W-D052C 5M	*				*	*	*
F3W-D052CP 5M	*				*	*	*
F3W-D052D 1M	*				*	*	*
F3W-D052DP 2M	*				*	*	*
F3W-D052A 5M	*				*	*	*
F3W-D052AP 5M	*				*	*	*
F39-L11	*		-		-	-	-
F39-L10	*		-		-	-	-
F39-L12	*		-		-	-	-

\*\* : Compatible

\* : The change is a little/Almost compatible

-- : Not compatible

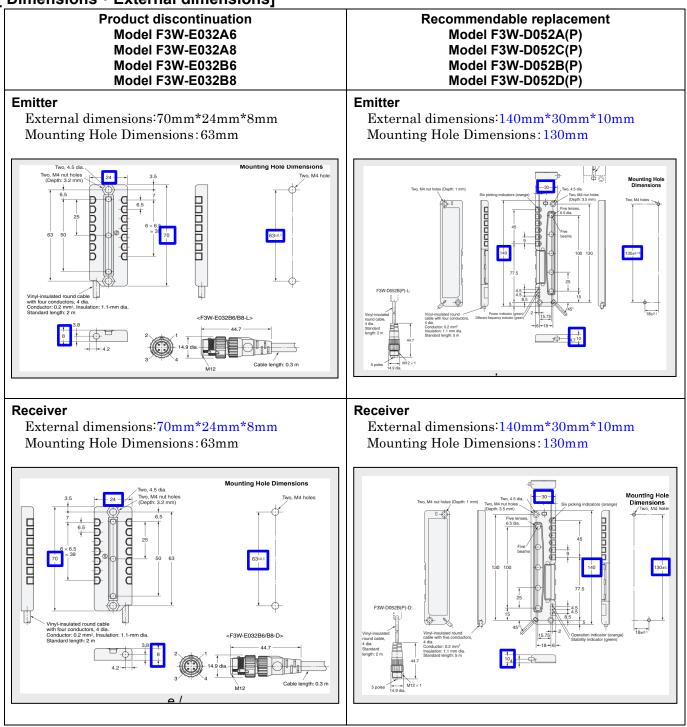
- : No corresponding specification

Product discontinuation	Recommended replacement			
F3W-E032A6 2M	F3W-D052A 2M F3W-D052AP 2M			
F3W-E032B6 0.3M	F3W-D052B 1M F3W-D052BP 2M			
F3W-E032A8 2M	F3W-D052C 5M F3W-D052CP 5M			
F3W-E032B8 0.3M	F3W-D052D 1M F3W-D052DP 2M			
F3W-E032A6 5M	F3W-D052A 5M F3W-D052AP 5M			
F3W-E032A8 5M	F3W-D052C 5M F3W-D052CP 5M			
F39-LE1	F39-L11			
F39-LE2	F39-L10			
F39-LE3	F39-L12			

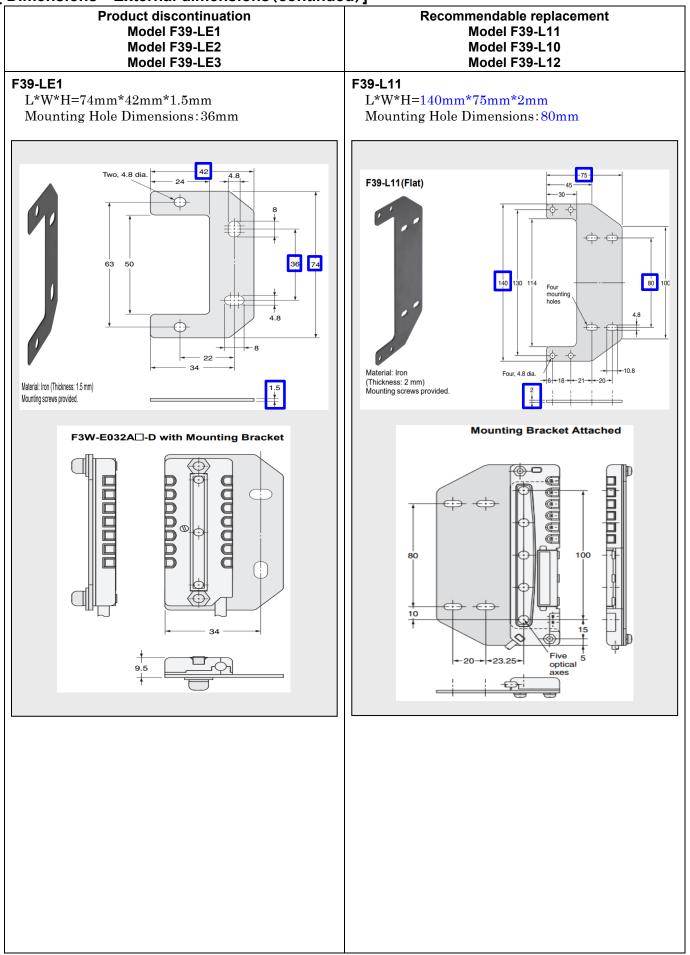
### [Product Discontinuation and recommended replacement]

# [Body color]

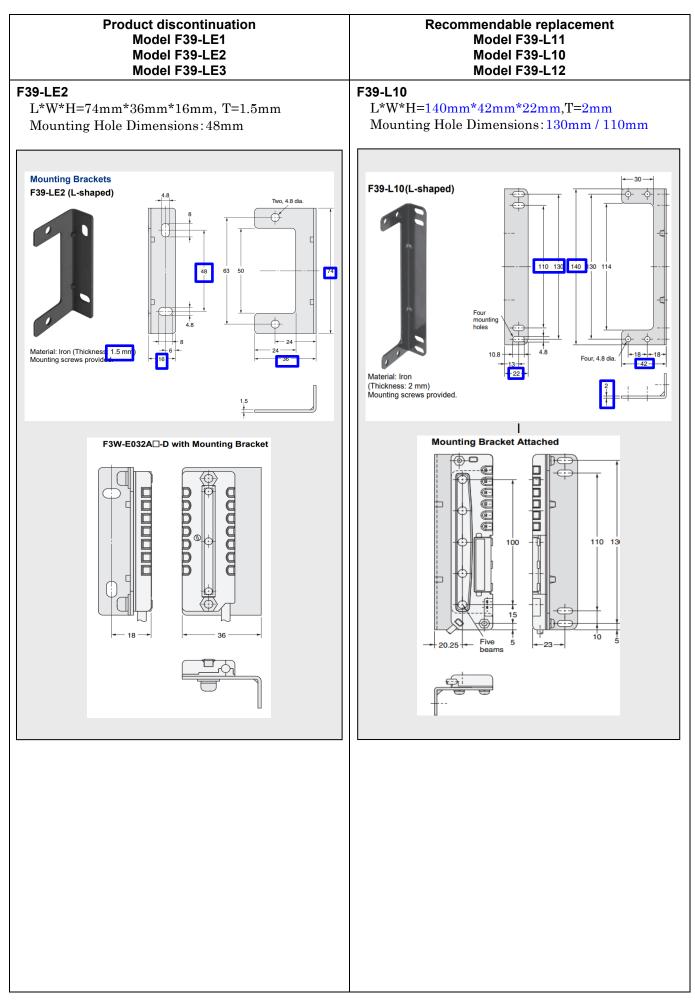
Product discontinuation	Recommendable replacement
Model F3W-E032A6	Model F3W-D052A(P)
Model F3W-E032A8	Model F3W-D052C(P)
Model F3W-E032B6	Model F3W-D052B(P)
Model F3W-E032B8	Model F3W-D052D(P)
Overall appearance	Overall appearance

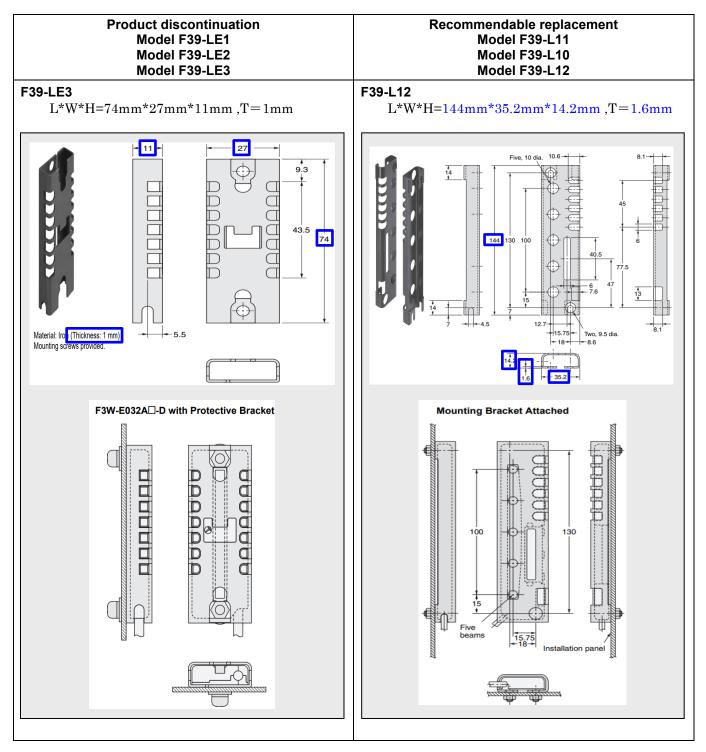


#### [Dimensions • External dimensions]



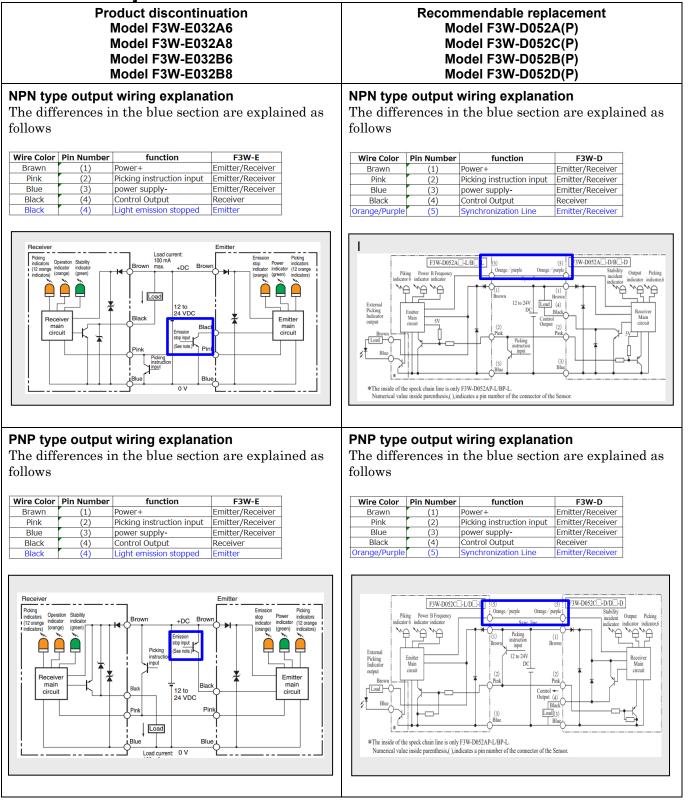
### [Dimensions • External dimensions(continued)]





#### [Wire connection]

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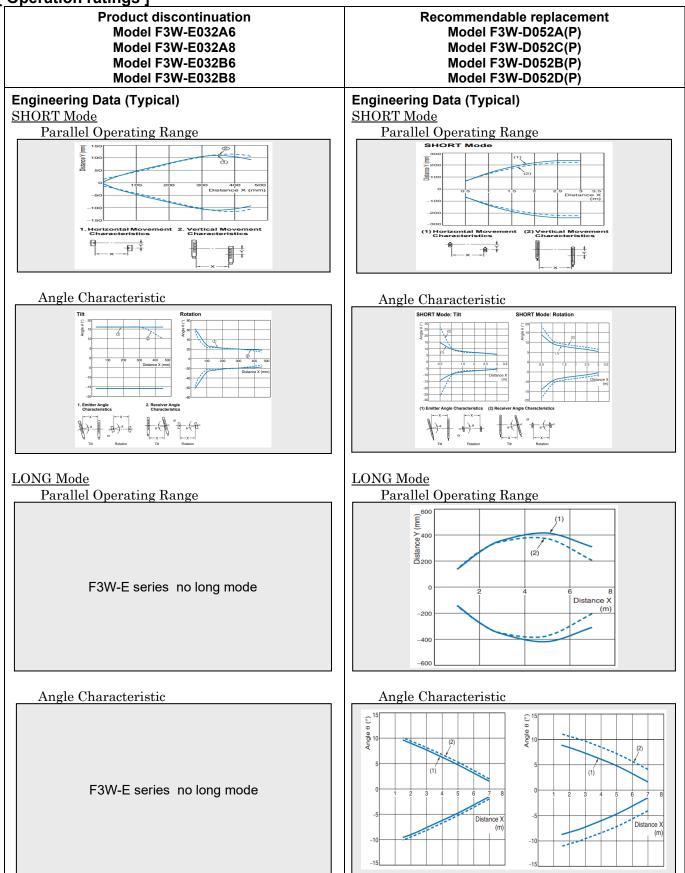
### [<u>Characteristics]</u>

	Product discontinuation	Recommendable replacement			
Item	Model F3W-E032A6 Model F3W-E032A8 Model F3W-E032B6 Model F3W-E032B8	Model F3W-D052A(P) *1 Model F3W-D052C(P) *1 Model F3W-D052B(P) *1 Model F3W-D052D(P) *1			
Sensing distance	30 to 300mm	3 m, switchable between LONG mode (1 to 3m) and SHORT mode: (0.05 to 1m), factory-set to SHORT mode.			
Beam gap	25mm	25mm			
Number of beams	3 optical axes	5 optical axes			
Sensing width	50mm	100mm			
Standard sensing object	Opaque, 28mm dia. min.	Opaque, 35mm dia. min.			
Light source (emission wavelength)	Infrared LED (860 nm)	Infrared LED (860 nm)			
Power-supply voltage	12 to 24VDC ±10% (ripple (p-p):10% max.)	12 to 24VDC±10% (ripple (p-p):10% max.)			
Current consumption	Emitter: 40mA max. Receiver: 40mA max.	Emitter:0.6W max. Receiver:0.7W max.			
Control Output	NPN or PNP open collector output Load power supply:30VDC,Load current: 100 mA max.(Residual voltage: 1.8V max.) Dark-ON or Light-ON (selectable)	<ul> <li>NPN or open collector output Load power supply voltage DC30V,load current 100mA or less (residual voltage 1V or less)</li> <li>Dark-ON or Light-ON (selectable)</li> <li>PNP or open collector output (PNP output type F3W-D052C/D)</li> <li>Load power supply voltage DC30V, load current 100mA or less (residual voltage 2.5V or less)</li> </ul>			
Picking instruction indicator input	Relay or open collector input ·NPN input Indicator ON:Input voltage of 0 to 2V Indicator OFF:Open (with leakage current of 0.1 mA max.) ·PNP input Indicator ON:Input voltage: (+DC - 2V) to +DC* Indicator OFF:Open (with leakage current of 0.1mA max.)	Open collector with relay or transistor input $\cdot$ NPN input Indicator ON: Input voltage of 0 to 2V Indicator OFF:Open (with leakage current of 0.1mA max.) $\cdot$ PNP input Indicator ON: (+DC-2V) ~ +DCV Indicator OFF:Open(with leakage current of 0.1 mA max.)			
Emission stop input	Relay or open collector input <u>NPN input</u> Emission stop input voltage: 0 to 2 V Emission input voltage: Open (with leakage current of 0.1mA max.) <u>PNP input</u> Emission stop input voltage:(+DC - 2 V) to +DC* Emission input voltage:Open (with leakage current of 0.1 mA max.)	none			
Protection Circuits	Reverse-connection protection,output short protection,and mutual interference prevention function (set with frequency switch)	Reverse-connection protection,output short protection,and mutual interference prevention function (set with frequency switch)			
Response Time	Operate/Reset:100ms max.	Operate/Reset:10ms max.			

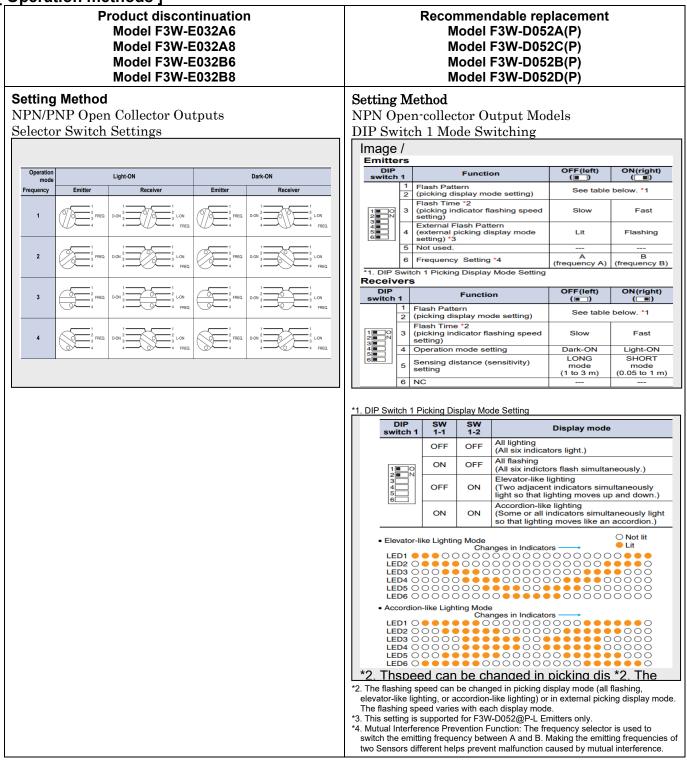
ltem		Product discontinuation	Recommendable replacement Model F3W-D052A(P) *1 Model F3W-D052C(P) *1 Model F3W-D052B(P) *1 Model F3W-D052D(P) *1		
		Model F3W-E032A6 Model F3W-E032A8 Model F3W-E032B6 Model F3W-E032B8			
Indicators	Recei ver	Operation indicator (orange), stability indicator(green),and picking indicators (orange)	Operation indicator(orange), stability indicator (green),and 6 picking indicators (orange),UNI-WIRE Direct Connection Models:Transmission indicator (orange)*2		
	Emitt er	Power indicator (green),emission stop indicator (orange),and picking indicators (orange)	Power indicator (green),different frequency indicator(green),and 6 picking		
Ambient temperature	e	Operating:-10 to 55°C, Storage:-25 to 70°C (with no icing or condensation)	Operating:-10 to 55°C, Storage:-25 to 70°C (with no icing or condensation)		
Ambient hu	midity	Operating/storage: 35% to 85% (with no condensation)	35% to 85% (with no condensation)		
Ambient illumination		Sunlight:10,000 lx at light-receiving surface, Incandescent light:3,000 lx at light-receiving surface	Sunlight:Not specified Incandescent lamp:3,000lx illuminance on the receiving surface		
Insulation resistance		20MΩ min.(at 500 VDC)	20MΩ min.(at 500 VDC)		
Dielectric strength		1,000VAC, 50/60Hz for 1min	1,000VAC 50/60Hz for 1min		
Vibration resistance		10 to 50 Hz, 1.5mm double-amplitude for 2 hours each in X, Y, and Z directions	10 to 50 Hz, 1.5mm double-amplitude for 2 hours each in X, Y and Z directions		
Shock resistance(destruc tion)		500m/s2, 3 times in X,Y,and Z directions	500m/s2, 3 times each in X,Y and Z directions		
Degree of protection		IP62 (IEC60529)	IEC60529: IP62 (with the operation cover closed)		
Connection method		• [F3W-E032A6 / F3W-E032A8] Pre-wired Standard cable length: 2m • [F3W-E032B6 / F3W-E032B8] Pre-wired connector Standard cable length: 0.3m (M12, 4-pin connector)	• [F3W-D052A(P) / F3W-D052C(P) ] Pre-wired Standard cable length: 5m *3 • [F3W-D052B(P) / F3W-D052D(P) ] Pre-wired connector(M12 5-pin connector) Standard cable length:2m*3		
Weight (pac	ckaged)	• [F3W-E032A6 / F3W-E032A8] Approx.125g • [F3W-E032B6 / F3W-E032B8] Approx.85g	Approx.360g		
	Case	ABS resin	ABS resin		
Materials	als Lens Acrylic resin		Acrylic resin		
	Cable	Oil-resistant PVC	Nylon(PA6)		
Accessorie	s	Instruction manual	Instruction manual		
Dimensions	6	L*W*H=70mm*24mm*8mm	L*W*H=140mm*30mm*10mm		

*	*+DC is the power supply voltage.	*1.The F3W-D052 P Emitters are provided with the external picking indicator output line shown in the following table.			
			Item Format	Model F3W-D052AP, Model F3W-D052BP, Model F3W-D052CP, Model F3W-D052DP	
			Connection method	Cord pull-out (standard cord length 300mm)	
			Electrical specification s	Output current: 50mA or less Output voltage: Fixed sensor power supply voltage	
		<ul> <li>*2. The transmission indicator indicates bus transmission status.</li> <li>*3. The following cable lengths are also available.</li> <li>F3W-D052A (P): 2 m, 7 m</li> <li>F3W-D052B : 1 m, 3.5 m</li> </ul>			

### [Operation ratings]



#### [Operation methods]



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.