

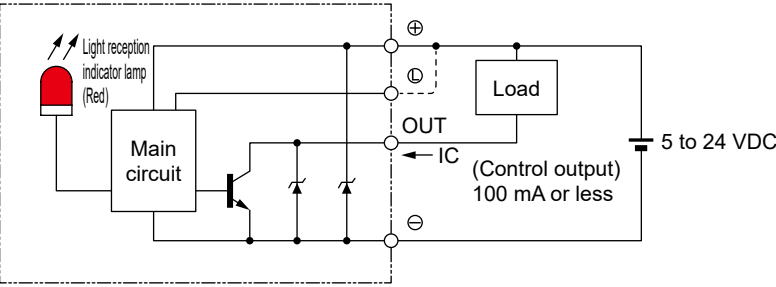
Origin sensor, limit sensor (motorless option)

[Specifications]

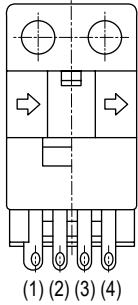
Item		Specifications
Manufacturer	Manufacturer	OMRON Corporation
	Model	EE-SX674
Hysteresis		0.025 mm or less
Light source (peak emission wavelength)		GaAs infrared LED (940 nm)
Indicator lamp		ON when receiving light (red)
Power supply voltage		5 to 24 VDC $\pm 10\%$ ripple (P-P) 10% or less
Current consumption		12 mA or less (with L terminal open)
Control output	Type	NPN (NPN open collector)
	Output	5 to 24 VDC 100mA or less
	Current when OFF	0.5 mA or less
	Residual voltage	0.8 V or less (with 100 mA load current) 0.4 V or less (with 40 mA load current)
Operating ambient illumination		Light-receiving surface luminance Fluorescent light: 1,000 lx or less
Ambient temperature range	Operating	-25 to +55°C, no condensation or freezing
	In storage	-30 to +80°C, no condensation or freezing
Ambient humidity range	Operating	5 to 85% RH, no condensation or freezing
	In storage	5 to 95% RH, no condensation or freezing
Degree of protection		IP50 IEC 60529 Standards
Connection		Connector type (can be directly soldered)

*For connectors, see "Photomicrosensor accessories" in the OMRON EE-SX47 catalog.

Output circuit



Wiring diagram



Terminal layout

(1)	⊕	Vcc
(2)	L	L
(3)	OUT	OUTPUT
(4)	⊖	GND (0 V)

List of attachments

For straight motor mounting

Accessories: Intermediate flange, coupling, motor mounting bolts

List of attachments

Model No.	Mounted motor specification	Motor capacity	Included parts			
			Intermediate flange mounting bolt		Motor mounting bolt	
			Size	Quantity	Size	Quantity
EKS-04	M	50 W 100 W	M3	2	M4	4
	Y				M4	
	P				M3	
EKS-05	M	100 W	M3	2	M4	4
	Y				M4	
	P				M3	
EKS-06	M	200 W	M4	4	M5	4
	Y				M5	
	P				M4	
EKS-08	M	400 W	M4	4	M5	4
	Y				M5	
	P				M4	
EKS-10	M	750 W	M5	4	M6	4
	Y				M6	
	P				M5	

For motor mounting on side/bottom

Accessories: Motor mounting plate, pulley, timing belt, belt tension adjustment jig, motor mounting bolts

List of attachments

Model No.	Mounted motor specification	Motor capacity	Included parts			
			Motor mounting plate mounting bolt		Motor mounting bolt	
			Size	Quantity	Size	Quantity
EKS-04	M	50 W 100 W	M3	4	M4	4
	Y				M4	
	P				M3	
EKS-05	M	100 W	M3	4	M4	4
	Y				M4	
	P				M3	
EKS-06	M	200 W	M4	4	M5	4
	Y				M5	
	P				M4	
EKS-08	M	400 W	M4	4	M5	4
	Y				M5	
	P				M4	
EKS-10	M	750 W	M5	4	M6	4
	Y				M6	
	P				M5	