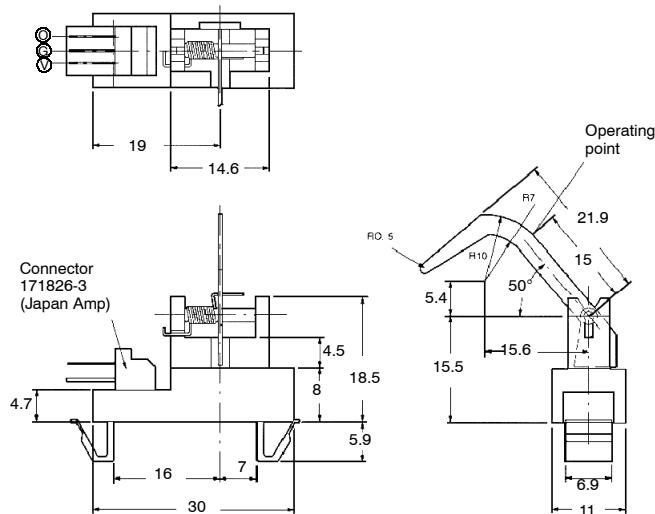
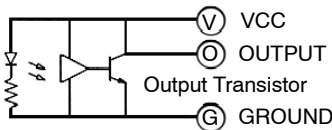


■ Dimensions

Note: All units are in millimeters unless otherwise indicated.



Internal Circuit



Terminal No.	Name
V	Power supply (Vcc)
O	Output (OUT)
G	Ground (GND)

■ Ordering Information

Description	Part number
Photomicrosensor (Actuator)	EE-SA401-P2

■ Electrical and Optical Characteristics (Ta = 25°C)

Item	Symbol	Value	Condition
Current consumption	I_{CC}	30 mA max.	With and without object
Low-level output voltage	V_{OL}	0.3 V max.	$I_{OUT} = 16$ mA with object
High-level output voltage	V_{OH}	$(V_{CC} \times 0.9)$ V min.	$V_{OUT} = V_{CC}$, $R_L = 47$ k Ω with object

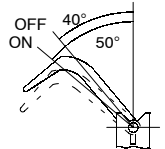
■ Features

- Easy snap-in mounting; no mounting hardware required.
- Easy wiring with commercially available connector.
- Includes Schmitt trigger circuit.

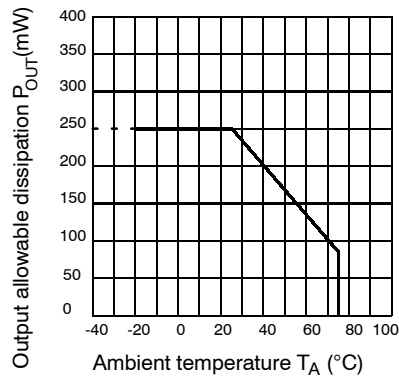
■ Absolute Maximum Ratings (Ta = 25°C)

Item	Symbol	Rated value	
Power supply voltage	V_{CC}	10 VDC	
Output voltage	V_{OUT}	28 V	
Output current	I_{OUT}	16 mA	
Permissible output dissipation	P_{OUT}	250 mW	
Ambient temperature	Operating	T_{opr}	-20°C to 75°C
	Storage	T_{stg}	-30°C to 85°C

■ Mechanical Characteristics

Item	Characteristics	Remarks
Actuator operation	OFF-point: $40 \pm 3^\circ$ ON-point: $50 \pm 3^\circ$	
Operating torque	1.5 gf•cm max.	When actuator starts to move
Life expectancy	1,000,000 operations min.	Under no-load condition, repeat ON-OFF operation
Vibration	Mechanical durability: 5 to 50, and then 5 Hz (peak acceleration 1 G) 1 cycle time: 60 s Operation time: 60 min. No remarks appear in X, Y, or Z directions	With packing box
Terminal strength	Tension with: 2 kgf•cm, for 5 s Bending: 1 kgf•cm/1 time, for 5 s	No remarks appear on electrical characteristics
Operating range	T_A : 0 to 50 R_H : 10 to 90%	

■ Engineering Data



NOTE: DIMENSIONS SHOWN ARE IN MILLIMETERS. To convert millimeters to inches divide by 25.4.

OMRON[®]

OMRON ELECTRONICS LLC

One East Commerce Drive
Schaumburg, IL 60173

847-882-2288

OMRON CANADA, INC.

885 Milner Avenue
Toronto, Ontario M1B 5V8

416-286-6465

OMRON ON-LINE

Global – <http://www.omron.com>

USA – <http://www.omron.com/oei>

Canada – <http://www.omron.com/oci>

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Optical Switches](#), [Transmissive](#), [Phototransistor Output](#) category:

Click to view products by [Omron](#) manufacturer:

Other Similar products are found below :

[LTH-301-07](#) [LTH-301-23](#) [E3C-X2C](#) [E3S-LS20B4S1](#) [E3SX2CE4](#) [RPI-0125B](#) [RPI-2501](#) [RPI-576A](#) [KRA021](#) [LTH-306-04M](#) [LTH-309-08](#)
[HOA0865-100](#) [HOA1961-055](#) [E3F-3C4](#) [LTH-306-01](#) [RPI-574](#) [EESX677C1JR01M](#) [SIT506F-A](#) [HOA1883-501](#) [PT928-6B-F](#) [RPI-243](#) [EE-](#)
[SX675P-WR 1M](#) [OPB806](#) [EE-SX1128](#) [OPB857Z](#) [EE-SV3-B](#) [EE-SJ3-D](#) [RPI-0226](#) [EE-SX951P-W 1M](#) [EE-SX672R](#) [EE-SX670P-WR 1M](#)
[LTH-301-32](#) [EESX674PWR1M](#) [EE-SX952-W 1M](#) [RPI-0352E](#) [RPI-352C40N](#) [DY-ITR002](#) [DY-ITR1100](#) [DY-ITR9909-W2](#) [HOA0825-001](#)
[HOA0825-003](#) [HOA0860-N51](#) [HOA0861-N55](#) [HOA0861-P55](#) [HOA0861-T55](#) [HOA0866-P55](#) [HOA0866-T55](#) [HOA0867-P55](#) [HOA0867-](#)
[T55](#) [HOA0870-T51](#)