E3ZM-B

Excellent PET Bottle Detection

- New detection method that is completely independent of the bottle shape, position, transparency, and contents.
- Automatic compensation for the effects of contamination and temperature.
- Teaching with no workpiece required for quick and easy setting.
- IP69K degree of protection from SUS316L housing.
- Wide ambient temperature range of -40 to 60°C.



Refer to Safety Precautions on page 10.



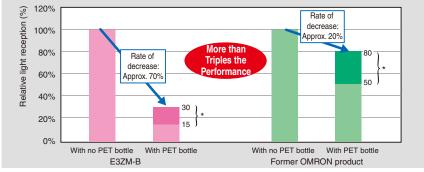
Features

Industry Top P-opaquing and a Coaxial Optical System Eliminate Dependence on the Bottle's Shape, Position, Transparency, and Contents.

P-opaquing: Polarization-opaquing

Patent pending (Refer to page 8 for a technical description.)

The E3ZM-B more than triples conventional detection performance, with outstanding stability.



*Depending on the shape and position of the PET bottle.

Industry Top AC³ Function Automatically Compensates Effects of Soiling and Temperature

AC³: Auto Compensation Control for Contamination

Patent pending (Refer to page 9 for a technical description.)

Parameters require resetting when static electricity causes dust to adhere to the surface of the Sensor or Reflector, or when the light emission power drops due to temperature- or time-related changes. Original OMRON light emission control technology greatly reduces the resetting work involved.



Initial Condition . . . Contamination . . . Auto Compensation

Teaching with No Workpiece Required -- Quick and Easy Setting

There is no need for delicate sensitivity adjustments. Simply adjust the optical axes of the Sensor and Reflector, then press the Teaching button twice.

This high-reliability design eliminates worries about variations in the sensitivity settings of different operators.



Industry Top IP69K Degree of Protection with an SUS316L Housing

The housing is constructed of corrosion-resistant SUS316L, and the display cover is PES (polyethersulfone).

Both materials are highly resistant to the effects of detergents and disinfectants.

IP69K degree of protection also allows the E3ZM-B to withstand washing with high-temperature, high-pressure water.

This makes the E3ZM-B well suited to use in sites requiring a high level of hygiene.





A Wide Ambient Temperature Range of -40 to 60°C

This wide temperature range meets the needs of the many and diverse applications in the beverage industry.



Applications



Detecting Plastic Bottles

Precautions for Correct Use

The E3ZM-B□1/-B□6 are not applicable for detecting transparent objects that exhibit no birefringence, such as glass bottles.

Transparent objects made of resin also exhibit little birefringence, and cannot be detected with complete stability. Check the detection stability of objects such as these prior to actual operation.

Ordering Information

Sensors Red light

	Appear- Connection			Model		
Sensing method	ance	method	Sensing distance	Special reflector	NPN output	PNP output
		Pre-wired (2 m) *2		Order	E3ZM-B61	E3ZM-B81
Retroreflective		Connector (M8, 4 pins)	500 mm	separately	E3ZM-B66	E3ZM-B86
with MSR function		Pre-wired (2 m) *2	[100 mm]*1	Included	E3ZM-B61-C	E3ZM-B81-C
		Connector (M8, 4 pins)		Included	E3ZM-B66-C	E3ZM-B86-C

Accessories

Special Retroreflective Reflector

Name	Model	Sensing distance (rated) E3ZM-B□1/-B□6	Quantity	Remarks
Special Polarizing Reflector	E39-RP1	500 mm [100 mm]	1	A Reflector is provided with the E3ZM-B□□-C. A Reflector is not provided with the E3ZM-B□□. The MSR function is enabled.

Note: Previous OMRON Retroreflective Reflectors (E39-R1/-R1S/-R2/-R3/-R9/-R10/-R1K/-RS1/-RS2/-RS3, etc.) cannot be used with the E3ZM-B. *Values in parentheses indicate the minimum required distance between the Sensor and Reflector.

Mounting Brackets

Appearance	Model	Quantity	Remarks	Appearance	Model	Quantity	Remarks
	E39-L153 (SUS304)	1	Mounting Brackets	ji.	E39-L98 (SUS304)	1	Metal Protective Cover Bracket *
AC .	E39-L104 (SUS304)	1	mounting Diagnote		E39-L150 (SUS304)	1 set	(Sensor adjuster)
is .	E39-L43 (SUS304)	1	Horizontal Mounting Bracket *		E39-L151	1 set	Easily mounted to the aluminum frame rails of conveyors and easily adjusted. For vertical angle
	E39-L142 (SUS304)	1	Horizontal Protective Cover Bracket *		(SUS304)	1 001	adjustment
	E39-L44 (SUS304)	1	Rear Mounting Bracket		E39-L144 (SUS304)	1	Compact Protective Cover Bracket *

^{*}Cannot be used for Standard Connector models.

Sensor I/O Connectors

Size	Specifications	Appearance		Cable		Model
		Straight		2 m		XS3F-E421-402-A
M8 (4 pins)	Standard	Straight	O jule	5 m	4-wire	XS3F-E421-405-A
		L-shaped		2 m		XS3F-E422-402-A
				5 m		XS3F-E422-405-A

Note: The outer cover of the cable is made of PVC (polyvinyl chloride), the nut is make of SUS316L stainless steel, and the degree of protection is IP67 (IEC 60529). When high-pressure washing will be used, select an I/O Connector that has IP69K degree of protection.

^{*1.} Values in parentheses indicate the minimum required distance between the Sensor and Reflector.
*2. Models with a 5-m pre-wired cable are also available. When ordering, add the cable length to the end of the model number (e.g., E3ZM-B61 5M).

Ratings and Specifications

Sensing distance Standard sensing object Standard sensing object Directional angle Reflector: 30° Reflector: 30° Light source (wavelength) Power supply voltage Current consumption Control output Operation mode Light ON/Dark ON cable switch selectable Protection circuits Response time Operate or reset: 1 ms max. Sensitivity adjustment Ambient temperature range Ambient humidity range Insulation resistance Degree of protection Destruction: 50 m/s² 3 times each in X, Y, and Z directions Destruction: 100 mc Atbook of Pro- Weight (packed state) Housing Materials Materials Teucro (100 to 100 to 50 0 mm (Using E39-RP1) Sensor 30° Sensor: 3° to 10° Response type (p-p) 10 to 30 VDC, including 10% ripple (p-p) 10 to 30 VDC, including 10% ripple (p-p) 10 to 30 VDC max., Load current: 100 mA max. (Residual voltage: 2 V max.) Operation mode Light ON/Dark ON cable switch selectable Reversed power supply polarity, Load short-circuit protection, Mutual interference prevention, and Reversed output polarity protection Response time Operate or reset: 1 ms max. Sensitivity adjustment Ambient Illumination Incandescent lamp: 3,000 lx max., Sunlight: 10,000 lx max. Ambient humidity range Operating: -40 to 60°C (°2), Storage: -40 to 70°C (with no icing or condensation) Dielectric strength 1,000 VAC, 50/60 Hz for 1 min Vibration resistance Destruction: 10 to 55 Hz, 1.5-mm double amplitude for 2 hours each in X, Y, and Z directions Destruction: 500 m/s² 3 times each in X, Y, and Z directions Destruction method Pre-wired cable (standard length: 2 m) or M8 4-pin connector Operation indicators Weight (packed state) Housing Sussist Lens PMMA (polymethylmethacrylate) Indication PES (polyethersulfone) Buttons Fluoro rubber Cable PVC (polyvinyl chloride)	:	Sensing method	Retroreflective with P-opaquing (*1) and MSR functions					
Sensing distance Standard sensing object Standard sensing object Standard sensing object Directional angle Reflector: 30° Light source (wavelength) Red LED (650 nm) Power supply voltage Current consumption Control output Control output Coperation mode Light ON/Dark ON cable switch selectable Response time Operation circuits Response time Operation distribution Ambient temperature range Ambient humidity range Insulation resistance Degree of protection Destruction: 500 m/s² 3 times each in X, Y, and Z directions Destruction: 500 m/s² 3 times each in X, Y, and Z directions Concention method Destruction: 500 m/s² 3 times each in X, Y, and Z directions Response time Destruction: 10 Coperation of 60°C (12) Storage: 40°C (19) Coperation of 60°C (1	Model	NPN output	E3ZM-B61(-C)/-B66(-C)					
Standard sensing object Directional angle Sensor: 3° to 10° Reflector: 30° Light source (wavelength) Red LED (650 nm) Power supply voltage 10 to 30 VDC, including 10% ripple (p-p) Current consumption 450 mW max. (current consumption for a 30-V power supply voltage: 15 mA max.) Control output Control output Operation mode Light ON/Dark ON cable switch selectable Protection circuits Reversed power supply polarity, Load short-circuit protection, Mutual interference prevention, and Reversed output polarity protection Operation mode Control output Operation mode Light ON/Dark ON cable switch selectable Reversed power supply polarity, Load short-circuit protection, Mutual interference prevention, and Reversed output polarity protection Response time Operate or reset: 1 ms max. Sensitivity adjustment Teaching method Ambient illumination Incandescent lamp: 3,000 lx max., Sunlight: 10,000 lx max. Ambient temperature range Operating: ~40 to 60°C (~2), Storage: ~40 to 70°C (with no icing or condensation) Insulation resistance Destruction: 10 to 55 Hz, 1.5-mm double amplitude for 2 hours each in X, Y, and Z directions Shock resistance Destruction: 500 m/s² 3 times each in X, Y, and Z directions Degree of protection EC IP67, DIN 40050-9: IP69K (~3) Connection method Pre-wired cable (standard length: 2 m) or M8 4-pin connector Indicators Weight (packed state) Housing Lens PMMA (polymethylmethacrylate) Indication PES (polyethersulfone) Buttons Fluoro rubber Cable PVC (polyvinyl chloride)	Item	PNP output	E3ZM-B81(-C)/-B86(-C)					
Sensor: 3° to 10° Reflector: 30°	Sensing di	istance	100 to 500 mm (Using E39-RP1)					
Reflector: 30° Reflector: 30°	Standard sensing object		500-ml, transparent, round PET bottle (65-mm dia.)					
Power supply voltage Current consumption Current consumption Control output Control output Control output Coperation mode Light ON/Dark ON cable switch selectable Protection circuits Reversed power supply polarity, Load short-circuit protection, Mutual interference prevention, and Reversed output polarity protection Consistivity adjustment Coperation temperature Coperation temperature Coperating:	Directional angle							
Current consumption 450 mW max. (current consumption for a 30-V power supply voltage: 15 mA max.) Control output Load power supply voltage: 30 VDC max., Load current: 100 mA max. (Residual voltage: 2 V max.) Operation mode Light ON/Dark ON cable switch selectable Protection circuits Reversed power supply polarity, Load short-circuit protection, Mutual interference prevention, and Reversed output polarity protection Response time Operate or reset: 1 ms max. Sensitivity adjustment Teaching method Ambient illumination Incandescent lamp: 3,000 lx max., Sunlight: 10,000 lx max. Ambient temperature range Operating: -40 to 60°C (*2), Storage: -40 to 70°C (with no icing or condensation) Insulation resistance Department of the condensation	Light sour	ce (wavelength)	Red LED (650 nm)					
Control output Load power supply voltage: 30 VDC max., Load current: 100 mA max. (Residual voltage: 2 V max.) Open-collector output (NPN/PNP output depending on model) Operation mode Light ON/Dark ON cable switch selectable Protection circuits Reversed power supply polarity, Load short-circuit protection, Mutual interference prevention, and Reversed output polarity protection Response time Operate or reset: 1 ms max. Sensitivity adjustment Teaching method Ambient illumination Incandescent lamp: 3,000 lx max., Sunlight: 10,000 lx max. Ambient temperature range Operating: -40 to 60°C (*2), Storage: -40 to 70°C (with no icing or condensation) Insulation resistance 20 MΩ min. at 500 VDC Dielectric strength 1,000 VAC, 50/60 Hz for 1 min Vibration resistance Destruction: 10 to 55 Hz, 1.5-mm double amplitude for 2 hours each in X, Y, and Z directions Shock resistance Destruction: 500 m/s² 3 times each in X, Y, and Z directions Degree of protection IEC IP67, DIN 40050-9: IP69K (*3) Connection method Pre-wired cable (standard length: 2 m) or M8 4-pin connector Indicators Operation indicator (yellow), Stability indicator (green), and Teaching indicator (red) Weight (packed state) Pre-wired models: Approx. 85 g Connect	Power sup	ply voltage	10 to 30 VDC, including 10% ripple (p-p)					
Control output Open-collector output (NPN/PNP output depending on model) Operation mode Light ON/Dark ON cable switch selectable Protection circuits Reversed power supply polarity, Load short-circuit protection, Mutual interference prevention, and Reversed output polarity protection Response time Operate or reset: 1 ms max. Sensitivity adjustment Teaching method Ambient illumination Incandescent lamp: 3,000 lx max., Sunlight: 10,000 lx max. Ambient temperature range Operating: -40 to 60°C (*2), Storage: -40 to 70°C (with no icing or condensation) Ambient humidity range Operating: 35% to 85%, Storage: 35% to 95% (with no condensation) Insulation resistance 20 MΩ min. at 500 VDC Dielectric strength 1,000 VAC, 50/60 Hz for 1 min Vibration resistance Destruction: 10 to 55 Hz, 1.5-mm double amplitude for 2 hours each in X, Y, and Z directions Shock resistance Destruction: 500 m/s² 3 times each in X, Y, and Z directions Degree of protection IEC IP67, DIN 40050-9: IP69K (*3) Connection method Pre-wired cable (standard length: 2 m) or M8 4-pin connector Indicators Operation indicator (yellow), Stability indicator (green), and Teaching indicator (red) Weight (packed state) Pre-wired models: Approx. 3	Current co	nsumption	450 mW max. (current consumption for a 30-V power supply voltage: 15 mA max.)					
Protection circuits Reversed power supply polarity, Load short-circuit protection, Mutual interference prevention, and Reversed output polarity protection Operate or reset: 1 ms max. Sensitivity adjustment Ambient illumination Incandescent lamp: 3,000 lx max., Sunlight: 10,000 lx max. Ambient temperature range Operating: -40 to 60°C (°2), Storage: -40 to 70°C (with no icing or condensation) Ambient humidity range Operating: 35% to 85%, Storage: 35% to 95% (with no condensation) Insulation resistance Destruction: 10 to 55 Hz, 1.5-mm double amplitude for 2 hours each in X, Y, and Z directions Shock resistance Destruction: 500 m/s² 3 times each in X, Y, and Z directions Degree of protection EC IP67, DIN 40050-9: IP69K (*3) Connection method Pre-wired cable (standard length: 2 m) or M8 4-pin connector Indicators Operation indicator (yellow), Stability indicator (green), and Teaching indicator (red) Pre-wired models: Approx. 35 g Weight (packed state) Pre-wired models: Approx. 35 g Housing SUS316L Lens PMMA (polymethylmethacrylate) Indication PES (polyethersulfone) Buttons Fluoro rubber Cable PVC (polyvinyl chloride)	Control ou	tput						
Ambient illumination Ambient temperature range Operation at 500 VDC Dielectric strength Vibration resistance Destruction: 10 to 55 Hz, 1.5-mm double amplitude for 2 hours each in X, Y, and Z directions Destruction: 500 m/s² 3 times each in X, Y, and Z directions Degree of protection EIC IP67, DIN 40050-9: IP69K ("3) Connection method Pre-wired cable (standard length: 2 m) or M8 4-pin connector Indicators Operating: 35% to 85%, Storage: 35% to 95% (with no condensation) Destruction: 10 to 55 Hz, 1.5-mm double amplitude for 2 hours each in X, Y, and Z directions Destruction: 500 m/s² 3 times each in X, Y, and Z directions Degree of protection EIC IP67, DIN 40050-9: IP69K ("3) Connection method Pre-wired cable (standard length: 2 m) or M8 4-pin connector Indicators Operation indicator (yellow), Stability indicator (green), and Teaching indicator (red) Pre-wired models: Approx. 35 g Connector models: Approx. 35 g Housing SUS316L Lens PMMA (polymethylmethacrylate) Indication PES (polyethersulfone) Buttons Fluoro rubber Cable PVC (polyvinyl chloride)	Operation	mode	Light ON/Dark ON cable switch selectable					
Sensitivity adjustment Teaching method Ambient illumination Incandescent lamp: 3,000 lx max., Sunlight: 10,000 lx max. Ambient temperature range Operating: -40 to 60°C (*2), Storage: -40 to 70°C (with no icing or condensation) Ambient humidity range Operating: 35% to 85%, Storage: 35% to 95% (with no condensation) Insulation resistance 20 MΩ min. at 500 VDC Dielectric strength 1,000 VAC, 50/60 Hz for 1 min Vibration resistance Destruction: 10 to 55 Hz, 1.5-mm double amplitude for 2 hours each in X, Y, and Z directions Shock resistance Destruction: 500 m/s² 3 times each in X, Y, and Z directions Degree of protection IEC IP67, DIN 40050-9: IP69K (*3) Connection method Pre-wired cable (standard length: 2 m) or M8 4-pin connector Indicators Operation indicator (yellow), Stability indicator (green), and Teaching indicator (red) Weight (packed state) Pre-wired models: Approx. 85 g Connector models: Approx. 35 g Materials Busing SUS316L Lens PMMA (polymethylmethacrylate) Indication PES (polyethersulfone) Buttons Fluoro rubber Cable PVC (polyvinyl chloride)	Protection	circuits						
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Ambient temperature range Operating: -40 to 60°C (*2), Storage: -40 to 70°C (with no icing or condensation) Ambient humidity range Operating: 35% to 85%, Storage: 35% to 95% (with no condensation) Insulation resistance 20 MΩ min. at 500 VDC Dielectric strength 1,000 VAC, 50/60 Hz for 1 min Vibration resistance Destruction: 10 to 55 Hz, 1.5-mm double amplitude for 2 hours each in X, Y, and Z directions Shock resistance Destruction: 500 m/s² 3 times each in X, Y, and Z directions Degree of protection IEC IP67, DIN 40050-9: IP69K (*3) Connection method Pre-wired cable (standard length: 2 m) or M8 4-pin connector Indicators Operating: 35% to 85%, Storage: 35% to 95% (with no condensation) Weight (packed state) Pre-wired cable (standard length: 2 m) or M8 4-pin connector Weight (packed state) Pre-wired models: Approx. 85 g Connector models: Approx. 85 g Weight (packed state) SUS316L Lens PMMA (polymethylmethacrylate) Indication PES (polyethersulfone) Buttons Fluoro rubber Cable PVC (polyvinyl chloride)	Sensitivity	adjustment						
Ambient humidity range Operating: -40 to 60°C (*2), Storage: -40 to 70°C (with no long or condensation)	Ambient ill	lumination	Incandescent lamp: 3,000 lx max., Sunlight: 10,000 lx max.					
Dielectric strength 1,000 VAC, 50/60 Hz for 1 min	Ambient te range	emperature	Operating: -40 to 60°C (*2), Storage: -40 to 70°C (with no icing or condensation)					
Dielectric strength 1,000 VAC, 50/60 Hz for 1 min Diestruction: 10 to 55 Hz, 1.5-mm double amplitude for 2 hours each in X, Y, and Z directions Shock resistance Destruction: 500 m/s² 3 times each in X, Y, and Z directions Degree of protection IEC IP67, DIN 40050-9: IP69K (*3) Connection method Pre-wired cable (standard length: 2 m) or M8 4-pin connector Indicators Operation indicator (yellow), Stability indicator (green), and Teaching indicator (red) Pre-wired models: Approx. 85 g Connector models: Approx. 35 g Housing SUS316L Lens PMMA (polymethylmethacrylate) PES (polyethersulfone) Buttons Fluoro rubber Cable PVC (polyvinyl chloride)	Ambient h	umidity range	Operating: 35% to 85%, Storage: 35% to 95% (with no condensation)					
Vibration resistance Destruction: 10 to 55 Hz, 1.5-mm double amplitude for 2 hours each in X, Y, and Z directions Shock resistance Destruction: 500 m/s² 3 times each in X, Y, and Z directions Degree of protection IEC IP67, DIN 40050-9: IP69K (*3) Connection method Pre-wired cable (standard length: 2 m) or M8 4-pin connector Indicators Operation indicator (yellow), Stability indicator (green), and Teaching indicator (red) Pre-wired models: Approx. 85 g Connector models: Approx. 35 g Housing SUS316L Lens PMMA (polymethylmethacrylate) Indication PES (polyethersulfone) Buttons Fluoro rubber Cable PVC (polyvinyl chloride)	Insulation	resistance	20 MΩ min. at 500 VDC					
Shock resistance Degree of protection IEC IP67, DIN 40050-9: IP69K (*3) Connection method Pre-wired cable (standard length: 2 m) or M8 4-pin connector Operation indicator (yellow), Stability indicator (green), and Teaching indicator (red) Weight (packed state) Pre-wired models: Approx. 85 g Connector models: Approx. 35 g Housing SUS316L Lens PMMA (polymethylmethacrylate) Indication PES (polyethersulfone) Buttons Fluoro rubber Cable PVC (polyvinyl chloride)	Dielectric	strength						
Degree of protection IEC IP67, DIN 40050-9: IP69K (*3) Connection method Pre-wired cable (standard length: 2 m) or M8 4-pin connector Operation indicator (yellow), Stability indicator (green), and Teaching indicator (red) Pre-wired models: Approx. 85 g Connector models: Approx. 35 g SUS316L Lens PMMA (polymethylmethacrylate) Indication PES (polyethersulfone) Buttons Fluoro rubber Cable PVC (polyvinyl chloride)	Vibration r	esistance	· · · · · · · · · · · · · · · · · · ·					
Connection method Pre-wired cable (standard length: 2 m) or M8 4-pin connector Indicators Operation indicator (yellow), Stability indicator (green), and Teaching indicator (red) Weight (packed state) Pre-wired models: Approx. 85 g Connector models: Approx. 35 g SUS316L Lens PMMA (polymethylmethacrylate) Indication PES (polyethersulfone) Buttons Fluoro rubber Cable PVC (polyvinyl chloride)	Shock resi	istance	Destruction: 500 m/s ² 3 times each in X, Y, and Z directions					
Materials Operation indicator (yellow), Stability indicator (green), and Teaching indicator (red) Pre-wired models: Approx. 85 g Connector models: Approx. 35 g	Degree of	protection	IEC IP67, DIN 40050-9: IP69K (*3)					
Weight (packed state) Pre-wired models: Approx. 85 g Connector models: Approx. 35 g Housing SUS316L Lens PMMA (polymethylmethacrylate) Indication PES (polyethersulfone) Buttons Fluoro rubber Cable PVC (polyvinyl chloride)	Connectio	n method	Pre-wired cable (standard length: 2 m) or M8 4-pin connector					
Weight (packed state) Connector models: Approx. 35 g Buttons Connector models: Approx. 35 g SUS316L Lens PMMA (polymethylmethacrylate) Indication PES (polyethersulfone) Buttons Fluoro rubber Cable PVC (polyvinyl chloride)	Indicators							
Lens PMMA (polymethylmethacrylate) Indication PES (polyethersulfone) Buttons Fluoro rubber Cable PVC (polyvinyl chloride)	Weight (packed state)		l					
Materials Indication PES (polyethersulfone) Buttons Fluoro rubber Cable PVC (polyvinyl chloride)	Housing		SUS316L					
Buttons Fluoro rubber Cable PVC (polyvinyl chloride)		Lens	PMMA (polymethylmethacrylate)					
Cable PVC (polyvinyl chloride)	Materials	Indication	PES (polyethersulfone)					
(For your your and y		Buttons	Fluoro rubber					
Accessories *4 Instruction sheet. Special Reflector (F37M-B□□-C only)	Cable		PVC (polyvinyl chloride)					
morroot, openia Honoto (Lozar Dillo Ottiy)	Accessorie	es *4	Instruction sheet, Special Reflector (E3ZM-B□□-C only)					

*1. For information on the P-opaquing function, refer to → pages 1 and 8.
*2. Do not bend the cable in temperatures of –25°C or lower.
*3. IP69K Degree of Protection Specification
IP69K is a protection standard against high temperature and high-pressure water defined in the German standard DIN 40050, Part 9. The test piece is sprayed with water at 80°C at a water pressure of 80 to 100 BAR using a specified nozzle shape at a rate

The distance between the test piece and nozzle is 10 to 15 cm, and water is sprayed horizontally for 30 seconds each at 0°, 30°, 60°, and 90° while rotating the test piece on a horizontal plane.

*4. Mounting Brackets must be ordered separately.



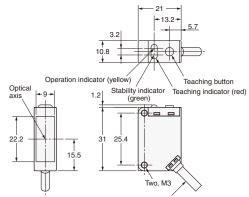
Dimensions (Unit: mm)

Sensors

Retro-reflective Models

Pre-wired Models E3ZM-B61 E3ZM-B81





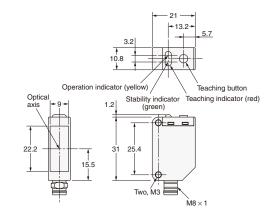
4-dia. Vinyl-insulated round cable with 4 conductors

(Conductor cross section: 0.2 mm² (AWG.24), Insulator diameter: 1.1 mm), Standard length: 2 m

Retro-reflective Models

M8 Connector E3ZM-B66 E3ZM-B86







Terminal No.	Specifications
1	+V
2	Operation selection
3	0 V
4	Output

Accessory

Special Retroreflective Reflector E39-RP1



