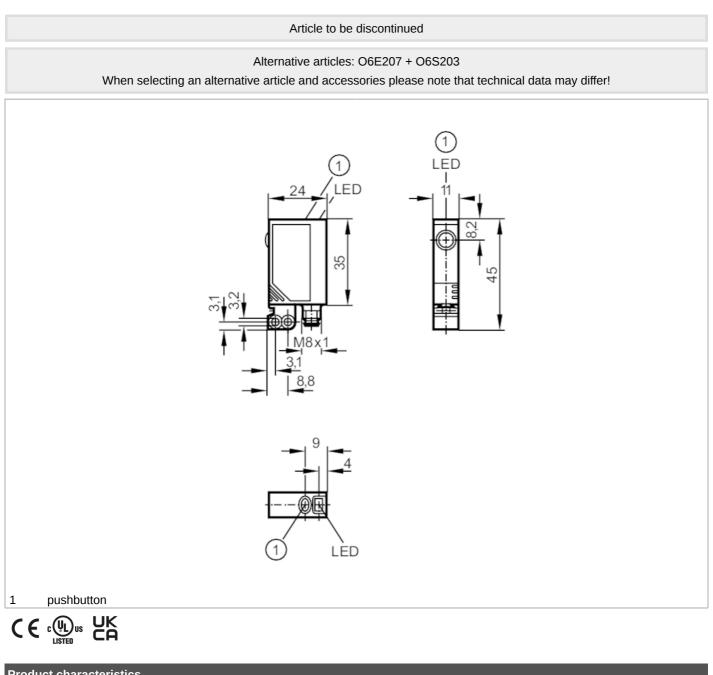
Through-beam sensor receiver

OJE-FNKG/SO/AS





Product characteristics		
Type of light		red light
Housing		rectangular
Application		
Function principle		Through-beam sensor
Electrical data		
Operating voltage	[V]	1030 DC
Current consumption	[mA]	< 12
Protection class		III
Reverse polarity protection		yes
Type of light		red light
Wave length	[nm]	660

Through-beam sensor receiver



OJE-FNKG/SO/AS

Electrical design NPN Output function light-on/dark-on mode; (programmable) Max. voltage drop switching output DC 2.5 Permanent current rating of [mA] switching output DC 200 Switching frequency DC [H2] Short-circuit protection yes Type of short-circuit protection yes (non-latching) Overload protection yes Monitoring range mass (non-latching) Tansmiter / receiver receiver Range (m) < 10 Range adjustable yes Operating conditions	Outputs	
Output function light-on/dark-on mode; (programmable) Max. voltage drop switching output DC 2.5 Permanent current rating of (mA) switching requency DC (Hz) 200 Short-circuit protection yes Type of short-circuit protection yes Overhoad protection yes Overhoad protection yes Overhoad protection yes Monitoring range receiver Range adjustable yes Operating conditions 2560 Armiter treceiver 2560 Protection iP of 7 Tests / approvals 2560 EMC EN 60947-5-2 MTF [years] Moting 1058 Mechanical data 1058 Weight [g] Stating consis [mm] Disnesions [mm] Ibusing: ABS; fixture: diceast zin; LED window: SEPS; pushbuttor: SEPS Lens naterial glass Lens naterial glass Lens naterial Years Display Side		NPN
Max. voltage drop switching Max. voltage drop switching <t< td=""><td>_</td><td></td></t<>	_	
switching output DC Hz Switching requency DC [Hz] Switching requency DC [Hz] Type of short-circuit protection yes (non-latching) Overload protection yes Monitoring range [Monitoring range Transmitter / receiver receiver Range adjustable yes Operating conditions		
Short-circuit protection yes Type of short-circuit protection yes (non-latching) Overload protection yes Monitoring range yes Transmitter / receiver receiver Range (m) < 10		200
Type of short-circuit protection yes (non-latching) Overload protection yes Monitoring range yes Tarsmitter / receiver receiver Range adjustable yes Operating conditions yes Ambient temperature [°C] Protection IP 67 Tests / approvals IP 67 EMC EN 60947-5-2 MTTF [years] Meight [g] Dimensions [mm] Material housing rectangular Dimensions [mm] Dimensions [mm] Display Switching status Display / operating elements Side sensing Display / operating elements jess Electronic lock ye	Switching frequency DC [Hz	1200
protection yes (non-latching) Overload protection yes Monitoring range I Transmitter / receiver receiver Range adjustable yes Operating conditions yes Ambient temperature [°C] Protection IP 67 Tests / approvals EMC EMC EN 60947-5-2 MTTF [years] Moting rectangular Mechanical data Mechanical data Weight [g] 39.4 Housing rectangular Dimensions [mm] 35 x 11 x 24 Material housing: ABS; fixture: diecast zinc; LED window: SEPS; pushbutton: SEPS Lens alignment glass Lens alignment Side sensing Display / operating elements Power Power 1 x LED, yellow Power 1 x LED, reen Function 1 x LED, reen Electronic lock yes Accessories X M34 16 Supring washers: 2	Short-circuit protection	yes
Monitoring range receiver Transmitter / receiver receiver Range adjustable yes Operating conditions yes Ambient temperature [°C] -2560 Protection IP 67 Tests / approvals EMC EMC EN 60947-5-2 MTTF [years] 1058 Mechanical data Veight [g] Veight [g] 39.4 Housing rectangular Immit enterial Dimensions [mm] 35 × 11 × 24 Material housing: ABS; fixture: diecast zinc; LED window: SEPS; pushbutton: SEPS Lens alignment Displays / operating elements glass I × LED, yellow Display Switching status 1 × LED, green Function 1 × LED, reed Electronic lock Yees Sorrews: 2 × M3 × 16 spring washers: 2 Nuts: 2 Nuts: 2 Remarks Nuts: 2		yes (non-latching)
Transmitter / receiver receiver Range [m] < 10	Overload protection	yes
Range [m] < 10	Monitoring range	
Range adjustable yes Operating conditions	Transmitter / receiver	receiver
Operating conditions Ambient temperature [°C] -2560 Protection IP 67 Tests / approvals EMC EN 60947-5-2 MTTF [years] 1058 Mechanical data Weight [0] Housing rectangular Dimensions [mm] 35 x 11 x 24 Material housing: ABS; fixture: diecast zinc; LED window: SEPS; pushbutton: SEPS Lens material glass Lens alignment Side sensing Display Switching status 1 x LED, yellow Power 1 x LED, green Function 1 x LED, green Function 1 x LED, red Electronic lock yes Accessories glasic clip: 1, E20964 Items supplied Screws: 2 x M3 x 16 Spring washers: 2 Nuts: 2	Range [m	n] <10
Ambient temperature [°C] -2560 Protection IP 67 Tests / approvals EMC EMC EN 60947-5-2 MTTF [years] 1058 Mechanical data	Range adjustable	yes
Protection IP 67 Tests / approvals EMC EN 60947-5-2 MTTF [years] 1058 Mechanical data Weight [g] 39.4 Housing rectangular 1058 Dimensions [mm] 35 x 11 x 24 Material housing: ABS; fixture: diecast zinc; LED window: SEPS; pushbutton: SEPS Lens material glass Lens alignment Side sensing Displays / operating elements Display Switching status 1 x LED, yellow Power 1 x LED, red 1 x LED, red Electronic lock yes yes Accessories Items supplied Basic clip: 1, E20964 Screws: 2 x M3 x 16 spring washers: 2 Nutts: 2 Nutts: 2	Operating conditions	
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MTTF [years] 1058 Mechanical data 9.4 Weight [g] 39.4 Housing 9.4 9.4 Housing [mm] 39.4 Housing rectangular 9.4 Dimensions [mm] 35 x 11 x 24 Material housing: ABS; fixture: diecast zinc; LED window: SEPS; pushbutton: SEPS Lens material glass 1 Lens alignment Side sensing 9.5 Displays / operating elements 9.0000 1 x LED, yellow Power 1 x LED, yellow 9.0000 Power 1 x LED, red 1.5 Electronic lock yes 1.5 1.5 Accessories 1.5 2.0064 3.0000 Items supplied Basic clip: 1, E20964 3.0000 3.0000 Spring washers: 2 Nuts: 2 Nuts: 2 Nuts: 2	Tests / approvals	
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Material housing: ABS; fixture: diecast zinc; LED window: SEPS; pushbutton: SEPS Lens material glass Lens alignment Side sensing Displays / operating elements 1 x LED, yellow Power 1 x LED, green Function 1 x LED, red Electronic lock yes Accessories Version Items supplied Basic clip: 1, E20964 Screws: 2 x M3 x 16 spring washers: 2 Nuts: 2 Nuts: 2	Housing	rectangular
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Lens alignmentSide sensingDisplays / operating elementsDisplaySwitching status1 x LED, yellowPower1 x LED, greenFunction1 x LED, redElectronic lockyesAccessoriesItems suppliedBasic clip: 1, E20964Screws: 2 x M3 x 16Spring washers: 2Nuts: 2Remarks	Material	housing: ABS; fixture: diecast zinc; LED window: SEPS; pushbutton: SEPS
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Display Switching status 1 x LED, yellow Power 1 x LED, green Function 1 x LED, red Electronic lock yes Accessories ges Items supplied Basic clip: 1, E20964 screws: 2 x M3 x 16 spring washers: 2 Nuts: 2 Nuts: 2	Lens alignment	Side sensing
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Function 1 x LED, red Electronic lock yes Accessories Electronic lock Items supplied Basic clip: 1, E20964 Screws: 2 x M3 x 16 Spring washers: 2 Nuts: 2 Nuts: 2	Display	
Electronic lock yes Accessories Items supplied Basic clip: 1, E20964 Screws: 2 x M3 x 16 spring washers: 2 Nuts: 2		
Accessories Items supplied Basic clip: 1, E20964 Screws: 2 x M3 x 16 Spring washers: 2 Nuts: 2 Remarks Remarks	Electronic lock	
Items supplied Basic clip: 1, E20964 screws: 2 x M3 x 16 spring washers: 2 Nuts: 2		,
screws: 2 x M3 x 16 spring washers: 2 Nuts: 2 Remarks		Basic clip: 1. E20964
Nuts: 2	FF	
Remarks		spring washers: 2
		Nuts: 2
	Remarks	
	Remarks	cULus - Class 2 source required
Pack quantity 1 pcs.		

Through-beam sensor receiver

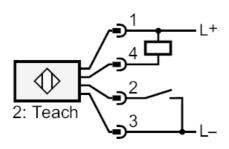
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Electrical connection

Connector: 1 x M8; coding: A



Connection



Through-beam sensor receiver

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Diagrams and graphs excess gain graph

