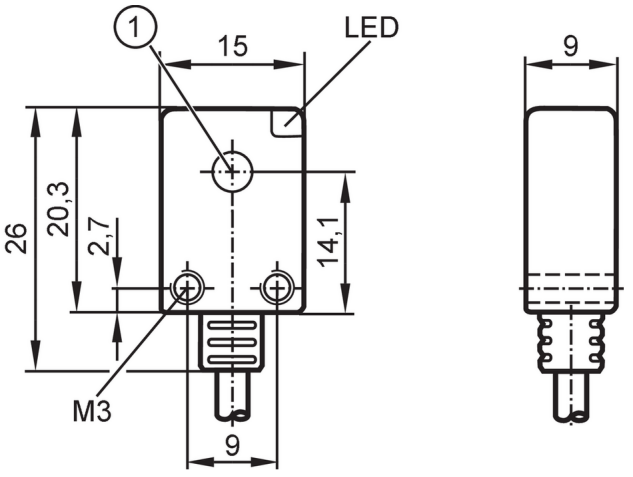
O7E203

Through-beam sensor receiver

O7E-HNKG/0,20M/AS

phase-out article
Discontinuation date: 03/31/2026

Alternative articles: O7E201
When selecting an alternative article and accessories please note that technical data may differ!



receiver in upper lens

Product characteristics		
Type of light		red light
Housing		rectangular
Application		
Function principle		Through-beam sensor
Application		For applications in robotics, assembly and handling technology
Electrical data		
Operating voltage	[V]	10...30 DC
Current consumption	[mA]	10; ((24 V))
Protection class		III
Reverse polarity protection		yes
Type of light		red light
Outputs		
Electrical design		NPN
Output function		light-on mode
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	100
Switching frequency DC	[Hz]	1000
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Detection zone		
Transmitter / receiver		receiver

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Through-beam sensor receiver

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Range	[m]	0...1.5	
Range adjustable		no	
Light spot dimensions refer to		at maximum range	
Operating conditions			
Ambient temperature	[°C]	-25...60	
Protection		IP 65	
Tests / approvals			
EMC		EN 60947-5-2	
MTTF	[years]	1077	
Mechanical data			
Weight	[g]	14.4	
Housing		rectangular	
Dimensions	[mm]	20.3 x 15 x 9	
Materials		housing: PA	
Lens material		front pane:PMMA	
Lens alignment		side lens	
Tightening torque	[Nm]	0.5	
Displays / operating elements			
Display		switching status	1 x LED, yellow
Remarks			
Remarks		operating voltage "supply class 2" according to UL	
Pack quantity		1 pcs.	

Electrical connection

Cable: 0.2 m, PUR; 3 x 0.14 mm²

Connector: 1 x M8; coding: A; Contacts: 3; Locking: snap-fit



Connection

