

O7E203



Through-beam sensor receiver

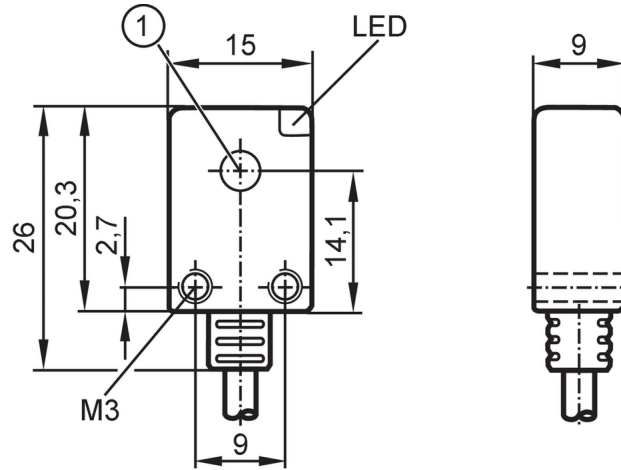
O7E-HNKG/0,20M/AS

Article to be discontinued

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	yes (non-latching)

Monitoring range

Transmitter / receiver	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
Material		housing: PA
Lens material		front lens:PMMA
Lens alignment		Side sensing
Tightening torque	[Nm]	0.5

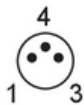
Displays / operating elements		
Display	Switching status	1 x LED, yellow

Remarks		
Remarks		UL - Class 2 source required
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

