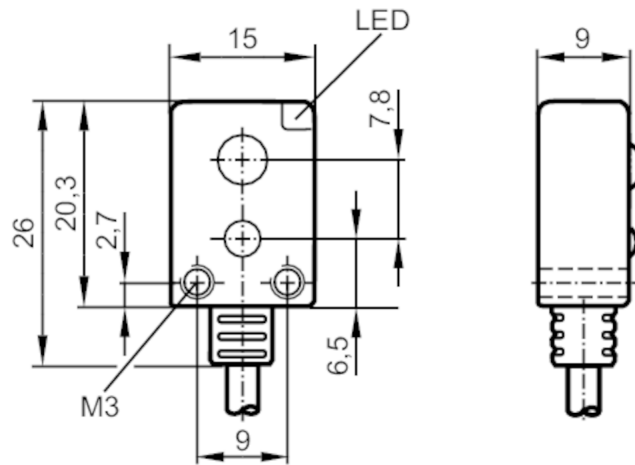


O7H213



Diffuse reflection sensors with background suppression

O7H-HNKG/0,6M/US



Receiver in upper lens
transmitter in lower lens



Product characteristics		
Type of light		red light
Housing		rectangular
Application		
System		Background suppression
Function principle		Diffuse reflection sensor
Electrical data		
Operating voltage	[V]	10...30 DC
Current consumption	[mA]	20; ((24 V))
Protection class		III
Reverse polarity protection		yes
Type of light		red light
Wave length	[nm]	633
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]	750
Short-circuit protection		yes
Type of short-circuit protection		yes (non-latching)

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Monitoring range	
Range [mm]	5...50; (white paper 200 x 200 mm)
Range on white object (90 % remission) [mm]	5...50
Range on grey object (18 % remission) [mm]	6...48
Range on black object (6 % remission) [mm]	7...46
Range adjustable	no
Max. light spot diameter [mm]	2.5
Light spot dimensions refer to	at maximum range
Background suppression available	yes

Operating conditions	
Ambient temperature [°C]	-25...60
Protection	IP 65

Tests / approvals	
EMC	EN 60947-5-2

Mechanical data	
Weight [g]	27.7
Housing	rectangular
Dimensions [mm]	20.3 x 15 x 9
Material	PA
Lens material	PMMA
Lens alignment	Side sensing

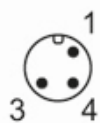
Displays / operating elements		
Display	Switching status	1 x LED, yellow

Remarks	
Pack quantity	1 pcs.

Electrical connection

Cable: 0.6 m, PUR; 3 x 0.14 mm²

Connector: 1 x M12; coding: A



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Connection

