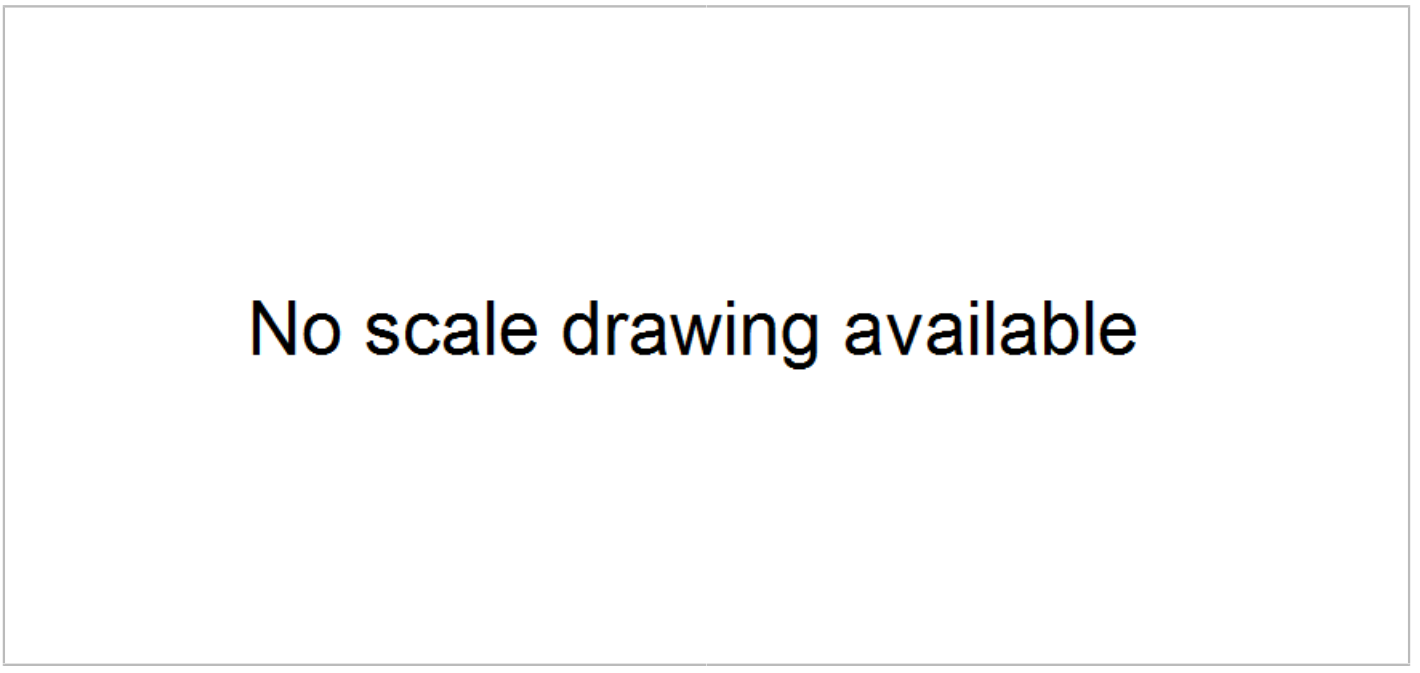
OC5231

Retro-reflective sensor

OCPGHNKG/US-100

Article no longer available - archive entry



Product characteristics		
Type of light		red light
Housing		rectangular
Application		
Function principle		Retro-reflective sensor
Electrical data		
Operating voltage	[V]	10...30 DC
Current consumption	[mA]	< 80
Protection class		II
Reverse polarity protection		yes
Type of light		red light
Wave length	[nm]	660
Outputs		
Electrical design		NPN
Output function		light-on mode
Max. voltage drop switching output DC	[V]	2
Max. current load for function check output	[mA]	100
Permanent current rating of switching output DC	[mA]	100
Switching frequency DC	[Hz]	1000
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes

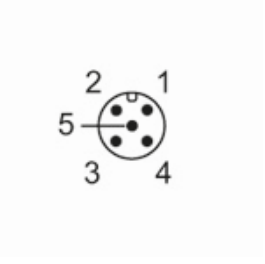
OC5231

Retro-reflective sensor

OCPGHNKG/US-100

Detection zone			
Range	[m]	< 1.5; (Prismatic reflector Ø 80 E20005)	
Range adjustable		yes	
Max. light spot height	[mm]	13	
Light spot dimensions refer to		Range	
Response times			
Response time	[s]	0.5	
Operating conditions			
Ambient temperature	[°C]	-10...55	
Protection		IP 67	
Tests / approvals			
EMC		EN 60947-5-2	
Mechanical data			
Housing		rectangular	
Dimensions	[mm]	49 x 15 x 42	
Materials		diecast zinc	
Lens material		PMMA	
Displays / operating elements			
Display		switching status	1 x LED, yellow
Accessories			
Items supplied		screwdrivers	
Remarks			
Pack quantity		1 pcs.	
Electrical connection			

Connector: 1 x M12; coding: A

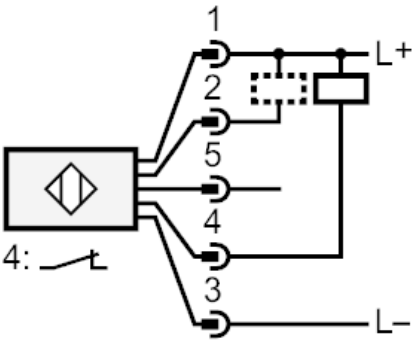


OC5231

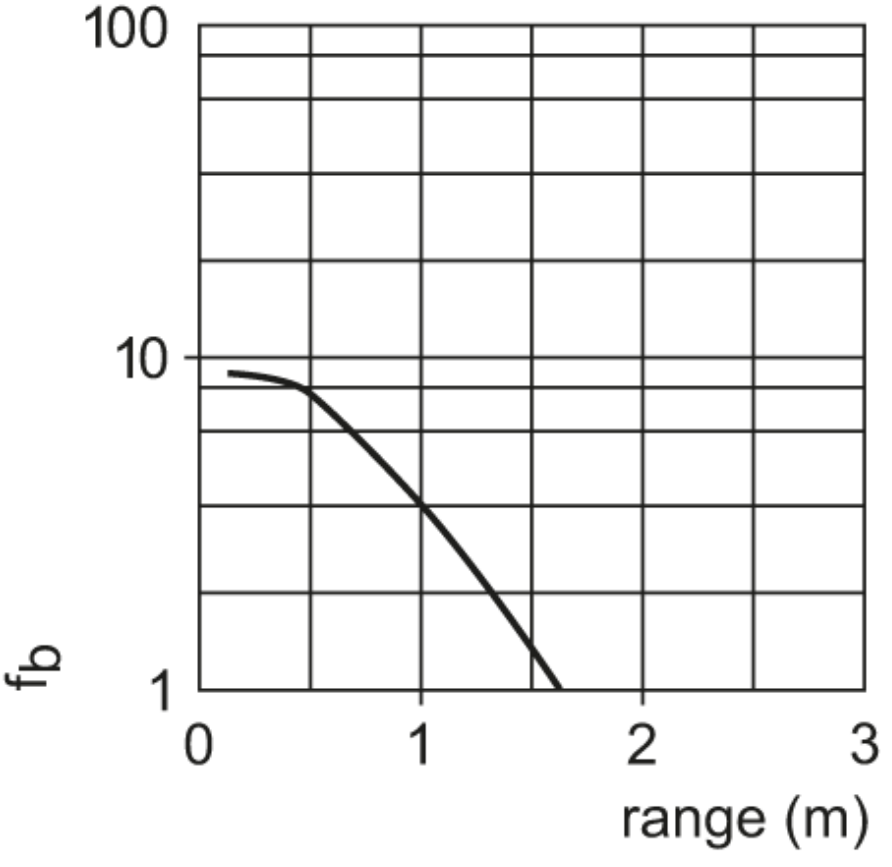
Retro-reflective sensor

OCPGHNKG/US-100

Connection



2	Function check output
5	Eingang "External Teach"

Diagrams and graphs

excess gain graph