

O6P309



Retro-reflective sensor

O6P-FPKG/ASJ/4P



- 1 output function switch
- 1 potentiometer sensitivity
- receiver in upper lens
- transmitter in lower lens



Application

Function principle: Retro-reflective sensor

Electrical data

Operating voltage [V]	10...30 DC
Current consumption [mA]	12; ((24 V))
Protection class	III
Reverse polarity protection	yes
Type of light	red light
Wave length [nm]	633

Outputs

Output function	light-on/dark-on mode; (selectable)
Max. voltage drop switching output DC [V]	2.5
Permanent current rating of switching output DC [mA]	100
Switching frequency DC [Hz]	1000
Electrical design	PNP
Short-circuit protection	yes
Type of short-circuit protection	pulsed

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Range	
Range [m]	0.05...5; (Prismatic reflector Ø 80 E20005)
Range adjustable	yes
Max. light spot diameter [mm]	150
Light spot dimensions refer to	at maximum range
Polarisation filter available	yes

Interfaces	
Communication interface	IO-Link
Transmission type	COM2 (38,4kBaud)
IO-Link revision	1.1
SDCI standard	IEC 61131-9 CDV
IO-Link device ID	422 d / 00 01 A6 h
Profiles	Smart Sensor: Device Identification; Binary Data Channel
SIO mode	yes
Required master port type	A

Operating conditions	
Ambient temperature [°C]	-25...80
Protection	IP 65; IP 67; IP 68; IP 69K

Tests / approvals	
EMC	EN 60947-5-2
MTTF [years]	681
UL Approval no.	E010

Mechanical data	
Weight [g]	35.4
Housing	rectangular
Dimensions [mm]	41.3 x 13 x 21
Materials	housing: stainless steel (1.4404 / 316L); plastics: PPSU; Sealing: EPDM
Lens material	PMMA

Displays / operating elements		
Display	switching status	1 x LED, yellow
	operation	1 x LED, green

Remarks	
Remarks	operating voltage "supply class 2" according to cULus
Pack quantity	1 pcs.

Electrical connection

Connector: 1 x M8



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Connection

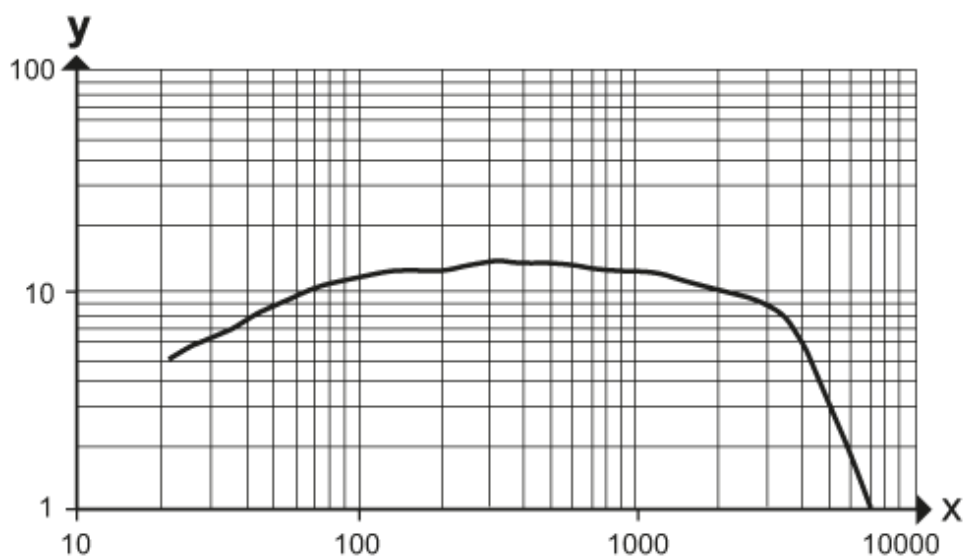


4

OUT / IO-Link

diagrams and graphs

excess gain graph



x: Abstand [mm]

y: Funktionsreservefaktor