

Properties

- Suitable for very small print marks
- Rectangular full-size housing
- Plastic housing
- Discrete output
- Connector version
- Visible red light

Technical Data

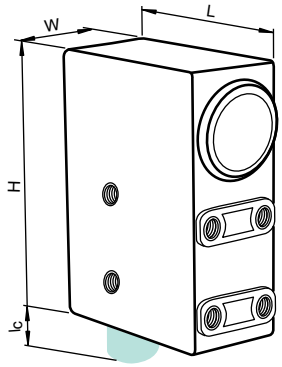
*For detailed data and product description refer to the data sheets at **www.pepperl-fuchs.com***

General Data	
Sensitivity adjustment	✔
Light/dark switch	✔
Light source	laser diode
Light type	modulated visible red light
Laser class	2
Operating voltage	10 ... 30 V DC
No-load supply current	≤ 55 mA
Switching type	light/dark on switchable
Switching current	max. 200 mA
Response time	30 µs
Test input	emitter deactivation with +Ub
Ambient temperature	-10 ... 50 °C (14 ... 122 °F)
Material	
Housing	PC (glass-fiber-reinforced Makrolon)
Optical face	glass
Protection degree	IP67
Connection	M12 x 1 connector, 5-pin



Model Number		DK10-LAS/35/49	DK10-LAS/35/79b	DK10-LAS/49	DK10-LAS/76a/110/124	DK10-LAS/76a/79b/110/124	DK10-LAS/9S20	DK10-LAS/9S50/76a/110/124
Time function							●	●
Detection range	3 ... 300 mm			●	●	●	●	●
	3 ... 800 mm	●	●					
Light spot representation	approx. 0.8 mm at a distance of 300 mm			●	●	●	●	●
	approx. 2 mm at a distance of 800 mm	●	●					
Signal output	Push-pull (4 in 1) output, short-circuit protected, reverse polarity protected		●		●	●	●	●
	1 PNP and 1 NPN short-circuit protected, open collector, synchronized-switching	●		●				
Timer function	rising edge , mono stable						●	●
Pulse length	20 ms						●	
	50 ms							●
Measurement output	Analog output 0.3 ... 10 mA		●			●		
Approvals and Certificates								
UL approval	cULus Listed , Class 2 power source	●	●	●	●	●	●	●
CCC approval	Products with a maximum operating voltage of ≤36 V do not bear a CCC marking because they do not require approval.							

Dimensions	
Length L [mm]	60,8
Width W [mm]	33
Height H [mm]	85,6
Connector area l_c [mm]	19



Accessories

This and more accessories can be found in chapter 10
See pages from 974 ... for cordsets See pages 1074 ... for mounting aids

V15-G-5M-PVC	Cable socket, M12, 5-pin, PVC cable
OMH-DK	Right-Angled Mounting Bracket
OMH-DK-1	Flat Mounting Bracket

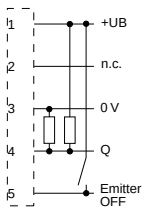
Electrical Connection

❍ = light on, ● = dark on



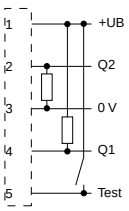
DK10-LAS/76a/110/124
DK10-LAS/9S20
DK10-LAS/9S50/76a/110/124

Option 76a/110



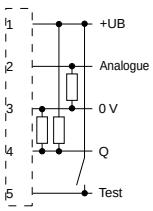
DK10-LAS/35/49
DK10-LAS/49

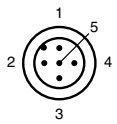
Option 49



DK10-LAS/35/79b
DK10-LAS/76a/79b/110/124

Option 79b/110





Wire colors in accordance with EN 60947-5-2

1	BN	(brown)
2	WH	(white)
3	BU	(blue)
4	BK	(black)
5	GY	(gray)

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