Dimensions



Ø **D**-43.8 44.6 47.1 53.9 65 78

Model Number

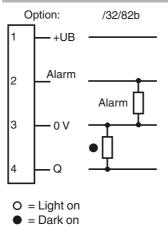
VL18-54-M/32/40a/82b/118

Retroreflective sensor with 4-pin, M12 x 1 connector

Features

- Array control panel with highly visible ٠ LED display
- Flashing power on LED in case of ٠ short-circuit
- Multiple device installation possible, • no mutual interference (no cross-talk)
- Not sensitive to ambient light, even ٠ with switched energy saving lamps
- Protection class II ٠

Electrical connection





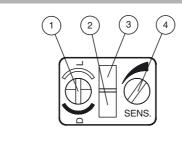


Wire colors in accordance with EN 60947-5-2

2 3 4

BN WH BU BK (brown) (white) (blue) (black)

Indicators/operating means



1	Light/dark switch		
2	Operating display green		
3	Switch state yellow		
4	Sensitivity adjustment		

Refer to "General Notes Relating to Pepperl+Fuchs Product Information" USA: +1 330 486 0001 fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 4411 fa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091 fa-info@sg.pepperl-fuchs.com



	0 3.5 m
	4 m
	H50 reflector
	LED
	modulated visible red light , 632 nm
	Yes
	200 mm at a distance of 3500 mm
	3°
	frontal
	30000 Lux ; according to EN 60947-5-2:2007
н	<15 %
neter 5	700 a
	20 a
	0%
	0 %
	LED green, flashes in case of short-circuit
	LED yellow, light with free light beam , flashes when falling sho of the stability control , OFF when light beam is interrupted
	Sensitivity adjuster, light/dark switch
UB	10 30 V DC , class 2
I ₀	< 25 mA
	II , rated voltage \leq 50 V AC with pollution degree 1-2 accordin to IEC 60664-1
	1 PNP, inactive when falling short of the stability control
	light/dark on, switchable
	1 PNP output, short-circuit protected, reverse polarity protecte open collector
	30 V DC
	max. 200 mA
U _d	≤ 2.5 V DC
f	500 Hz
	1 ms
	-25 70 °C (-13 158 °F)
	-30 70 °C (-22 158 °F)
	90 % , noncondensing
	IP67
	4-pin, M12 x 1 connector
	brass, nickel-plated
	PMMA
	60 g
d	
	EMC Directive 2004/108/EC
	EN 60947-5-2:2007 IEC 60947-5-2:2007
	cULus Listed, Type 1 enclosure
	l _o

Mounting Bracket with swivel nut

Plastic mounting adapter, 18 mm

Universal mounting bracket for cylindrical sensors with a diameter of 5 ... 30 mm

Other suitable accessories can be found at

Mounting flange, 18 mm

www.pepperl-fuchs.com

Accessories CPZ18B03

BF 18

BF 18-F

BF 5-30

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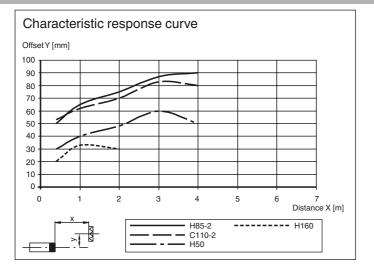
fa-info@de.pepperl-fuchs.com

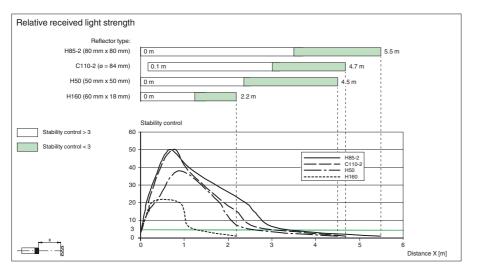
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Curves/Diagrams





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