VISC 🗘

with 7-pin surface-mounted connector up to

Ultra bright LEDs for power on, weak signal indication and switching state

Programmable time function GAN,

Not sensitive to ambient light, even

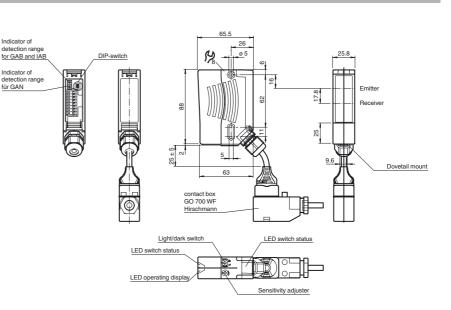
with switched energy saving lamps

GAN-IAB as double function

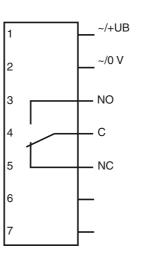
Protection class II

GAB, IAB, as well as GAN-GAB and

Dimensions



Electrical connection



The relay-functions "NC" and "NO" bear on the switching mode "Dark-ON". This complies to the default setting of the light/dark switch (factory setting).

Pinout



CE

250 VAC

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Features

Model Number

RLK28-55-Z-2466/31/115d

Retroreflective sensor

Refer to "General Notes Relating to Pepperl+Fuchs Product Information" Pepperl+Fuchs Group USA: +1 330 486 0001

www.pepperl-fuchs.com 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



Technical data

Reflector distance 0 Threshold detection range 2 Reference target 1 Light source 1 Light source 1 Light type m Polarization filter y Diameter of the light spot a Angle of divergence e Ambient light limit 8 Functional safety related parameters 6 Mission Time (T _M) 2 Diagnostic Coverage (DC) 0 Indicators/operating means 0 Operation indicator 2 Function algeeifications 2 Operating voltage U _B Power consumption P0 Signal output F Switching type 1 Switching current m Switching power 1 Switching frequency f Switching frequency f Response time 2 Timer function 0) 17 m J.05 17 m 21 m 185-2 reflector ED nodulated visible red light , 660 nm res approx. 290 mm at a distance of 17 m
Reflector distance 0 Threshold detection range 2 Reference target 1 Light source 1 Light source 1 Light type m Polarization filter y Diameter of the light spot a Angle of divergence e Ambient light limit 8 Functional safety related parameters 6 Mission Time (T _M) 2 Diagnostic Coverage (DC) 0 Indicators/operating means 0 Operation indicator 2 Function algeeifications 2 Operating voltage U _B Power consumption P0 Signal output F Switching type 1 Switching current m Switching power 1 Switching frequency f Switching frequency f Response time 2 Timer function 0	0.05 17 m 21 m H85-2 reflector LED modulated visible red light , 660 nm res
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Electrical specifications 0 Operating voltage UB 1 Power consumption P0 ≤ Output 5 1 Switching type III III Switching voltage 1 1 Switching voltage 1 1 Switching current 1 1 Switching frequency f 2 Response time 2 2 Timer function 0 0	2 LEDs yellow, light up when light beam is free, flash when alling short of the stability control, off when light beam is nterrupted
Operating voltage UB 1 Power consumption Po ≤ Output Image: Signal output Image: Signal output Switching voltage Image: Switching current Image: Switching frequency Switching frequency f Image: Switching frequency Switching frequency f Image: Switching frequency Timer function Image: Switching frequency f	sensitivity adjustment (Adjustment to < 25% of the effective operating range) , Light-on/dark-on changeover switch
Power consumption P₀ ≤ Output Image: Signal output Image: Signal output Switching voltage Image: Switching current Image: Switching current Switching power Image: Switching frequency f Switching frequency f 2 Response time 2 Timer function O	
Output Switching type Signal output Switching voltage Switching current Switching frequency f Switching frequency f Z Response time Z Timer function	2 240 V AC/DC
Switching type lii Signal output F Switching voltage m Switching current m Switching power D Switching frequency f Response time 2 Timer function O	3.5 VA
a Signal output F Switching voltage m Switching current m Switching power C Switching frequency f 2 Response time 2 Timer function O P	
Switching voltage m Switching current m Switching power D Switching frequency f Response time 2 Timer function O	ight/dark on, switchable (selectable, light/dark switching is only activated if the receiver has 'dark on' selected.)
Switching current m Switching power D Switching frequency f Response time 2 Timer function O P P	Relay, 1 alternator
Switching power D Switching frequency f Response time 2 Timer function O P P	nax. 250 V AC/DC
Switching frequency f 2 Response time 2 Timer function 0 P	nax. 2 A
Response time 2 Timer function 0 P	DC: max. 50 W AC: max. 500 VA
Timer function C o p	25 Hz
o p	20 ms
	DN delay (GAN), OFF delay (GAB), one shot (IAB), ON delay- one shot (GAN-IAB), ON delay-OFF delay (GAN-GAB), orogrammable adjustment interval 0.1 10 s
Conformity	
-	EN 60947-5-2
Ambient conditions	
	40 60 °C (-40 140 °F)
	40 75 °C (-40 167 °F)
Mechanical specifications	, , , , , , , , , , , , , , , , , , ,
	25.8 mm
<u> </u>	38 mm
	65.5 mm
	P65
	7-pin surface-mounted connector, up to 250 VAC (without cable socket)
Material	
Housing P	Plastic ABS
Optical face P	Plastic pane
Mass 1	80 g
Approvals and cortificatos	
Approvals and certificates Protection class	II roted insulation voltage $< 250 \text{ VAC}$ with pollution degree 1
	II, rated insulation voltage ≤ 250 V AC with pollution degree 1- 2 according to IEC 60664-1 Output circuit insulated from control circuit in accordance with IEC 61140. Caution! The protection class 2 is only valid when the terminal compartment is closed.

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OMH-05

Mounting aid for round steel ø 12 mm or sheet 1.5 mm ... 3 mm

OMH-07

Mounting aid for round steel ø 12 mm or sheet 1.5 mm ... 3 mm

OMH-21 Mounting bracket

OMH-22 Mounting bracket

OMH-MLV11-K

OMH-RLK29-HW

dove tail mounting clamp

Mounting bracket for rear wall mounting OMH-RL28-C

Weld slag cover model

Other suitable accessories can be found at www.pepperl-fuchs.com

Pepperl+Fuchs Group www.pepperl-fuchs.com

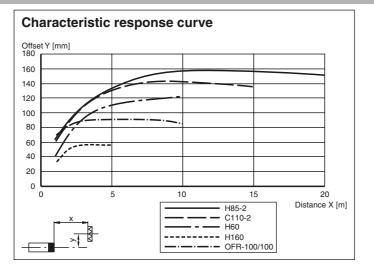
Germany: +49 621 776 4411 fa-info@de.pepperl-fuchs.com

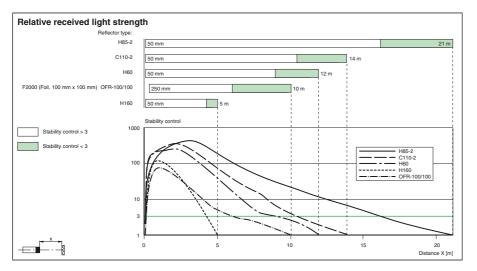
Singapore: +65 6779 9091 fa-info@sg.pepperl-fuchs.com



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Curves/Diagrams





Timer functions

Timer function	Switching type		Receiver expose Receiver dark
ON ON Without	Light Dark		ON OFF
	Light	ton	ON OFF
ON 1 2 3 4 ON ON delay	Dark		ON OFF
1 2 3 4	Light	toff toff	ON OFF
ON OFF delay	Dark	^t OFF	ON OFF
1 2 3 4	Light	tos tos	ON OFF
ON ON ONE shot	Dark	tos tos	ON OFF

Time t_{ON} , t_{OFF} and t_{OS} are adjustable from 0.1 to 10 seconds. The Light-/Dark-Switch (Left, outer switch) is shown in the "Dark ON" position.

Туре	Description	Notes
-Z	OFF delay timer	Adjustable time interval
	one shot timer	(0.1 s - 10 s)
	ON delay timer	
	ON delay timer / OFF delay timer	
	ON delay timer / one shot timer	

