



RLF21-8-800-1419/44/47/74

Reflection light scanner

RLF21-8-800-1419/44/47/74

with 4-pin, M18 x 1 plastic connector

CE



- ◆ Detection range 10 mm ... 800 mm, adjustable
- ◆ Sturdy plastic housing
- ◆ Optical surface made of scratch-resistant glass
- ◆ Pre-fault indication
- ◆ Transistor output
- ◆ Operating voltage DC

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General specifications

Detection range	10 ... 800 mm
Light source	IRED
Approvals	CE
Adjustment range	300 ... 800 mm
Light type	infrared, modulated light
Diameter of the light spot	approx. 30 mm at 800 mm detection range
Angle of divergence	approx. 2 °
Ambient light limit	40000 Lux

Indicators/operating means

Function display	LED, red/green, red when falling short of the stability control, green when stability control ≥ 3
Operating elements	Programming switch for light/dark ON, time functions,; time adjuster, sensitivity adjuster

Electrical specifications

Operating voltage	10 ... 30 V DC
Ripple	10 %
No-load supply current I_0	40 mA

Output

Switching type	Light/dark ON, switchable
Signal output	2 pnp, antivalent, short-circuit proof, protected against reverse polarity
Switching voltage	30 V DC
Switching current	max. 200 mA
Switching frequency f	35 Hz
Response time	10 ms
Timer function	GAN, GAB, IAB, programmable, adjustment range 0.1 ...10 s

Standard conformity

Standards	EN 60947-5-2
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Ambient conditions

Ambient temperature	-20 ... 60 °C (253 ... 333 K)
Storage temperature	-20 ... 75 °C (253 ... 348 K)

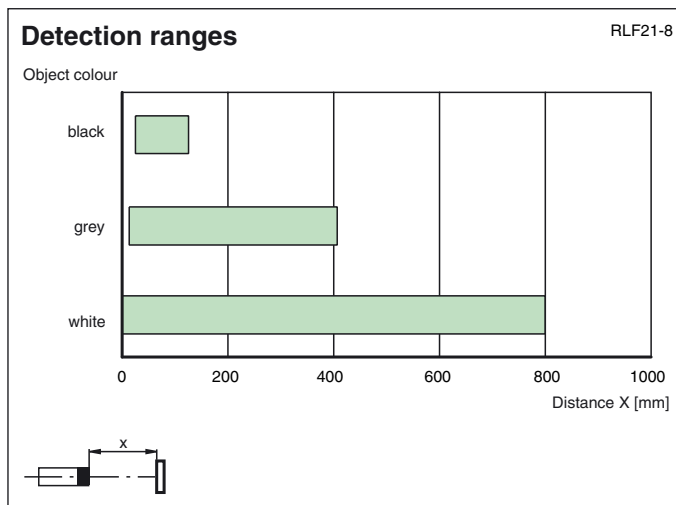
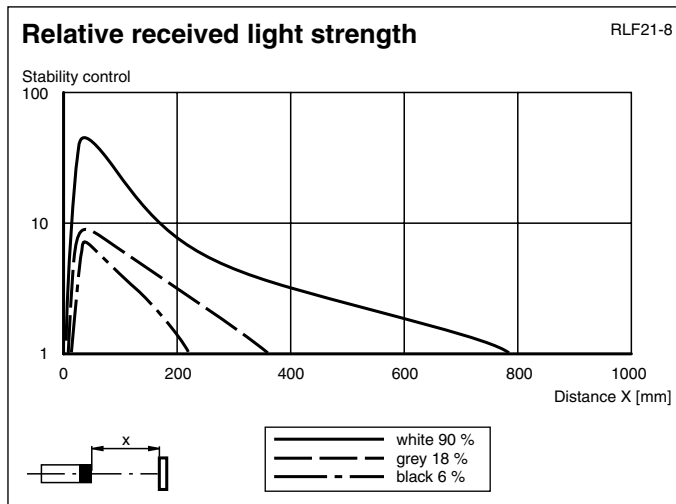
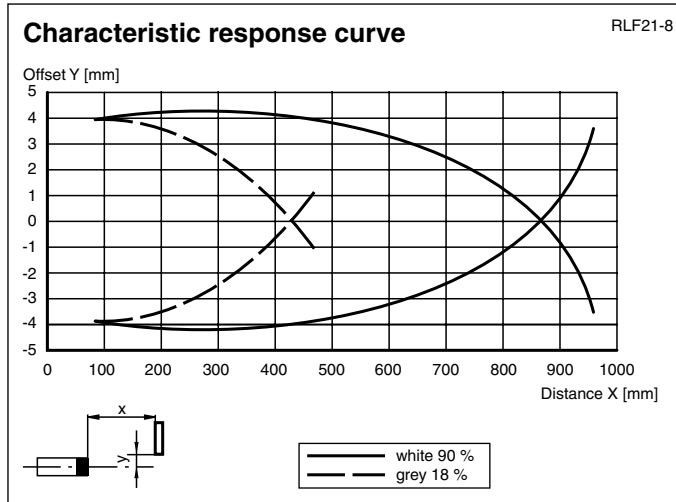
Mechanical specifications

Protection degree	IP65
Connection	Flange connector series 714, 4-pin (including unwired, angled cable socket)
Material	
Housing	Terluran GV15
Optical face	glass
Mass	130 g

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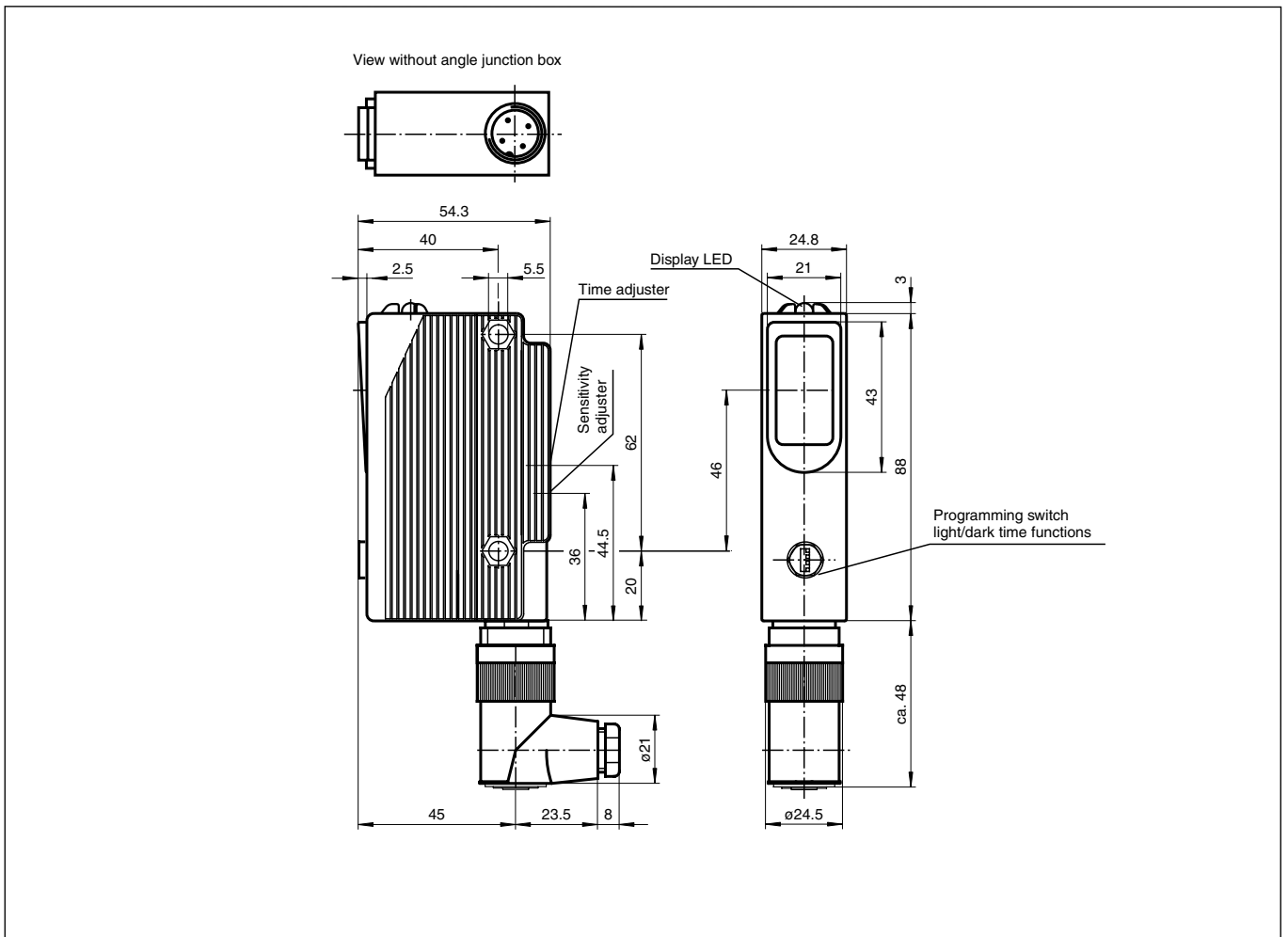


Curves/Diagrams

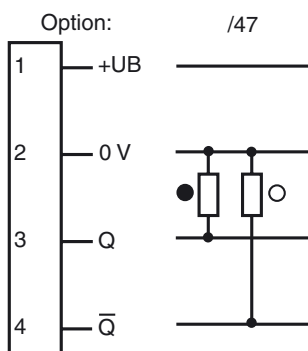


Note

Dimensions



Electrical connection



○ = light on, ● = dark on

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