

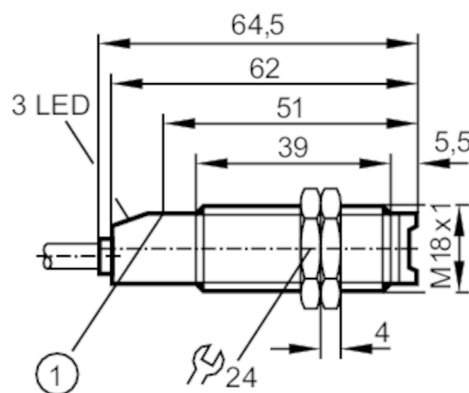
Diffuse reflection sensor

OGT-FNKG

Article no longer available - archive entry

Alternative articles: OGH502

When selecting an alternative article and accessories please note that technical data may differ!



1 pushbutton

Product characteristics

Type of light	infrared light
Housing	threaded type

Application

Function principle	Diffuse reflection sensor
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Electrical data

Operating voltage [V]	10...30 DC
Current consumption [mA]	< 32
Protection class	II
Reverse polarity protection	yes
Type of light	infrared light
Wave length [nm]	880

Outputs

Electrical design	NPN
Output function	light-on/dark-on mode; (parameterisable)
Max. voltage drop switching output DC [V]	2.5
Permanent current rating of switching output DC [mA]	200
Switching frequency DC [Hz]	500
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes

Detection zone

Range [mm]	1...600; (white paper 200 x 200 mm 90% remission)
Range adjustable	yes
Max. light spot diameter [mm]	169



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Light spot dimensions refer to _____ at maximum range

Operating conditions

Ambient temperature [°C] _____ -25...80

Protection _____ IP 67

Tests / approvals

EMC _____ EN 60947-5-2 _____
 _____ EN 55011 _____ class B

Mechanical data

Housing _____ threaded type

Dimensions [mm] _____ M18 x 1 / L = 64.5

Thread designation _____ M18 x 1

Materials _____ PBT

Lens material _____ PMMA

Displays / operating elements

Display _____ switching status _____ 1 x LED, yellow

operation _____ 1 x LED, green

function _____ 1 x LED, red

Accessories

Items supplied _____ lock nuts: 2

Remarks

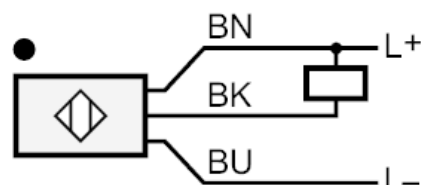
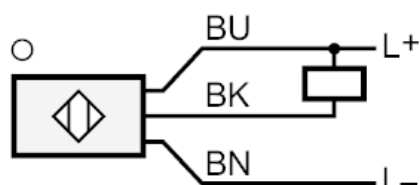
Remarks _____ operating voltage "supply class 2" according to cULus

Pack quantity _____ 1 pcs.

Electrical connection

Cable: 2 m, PVC; 3 x 0.34 mm²

Connection



Core colours :
 BN = brown
 BU = blue
 BK = black