

# OT5019



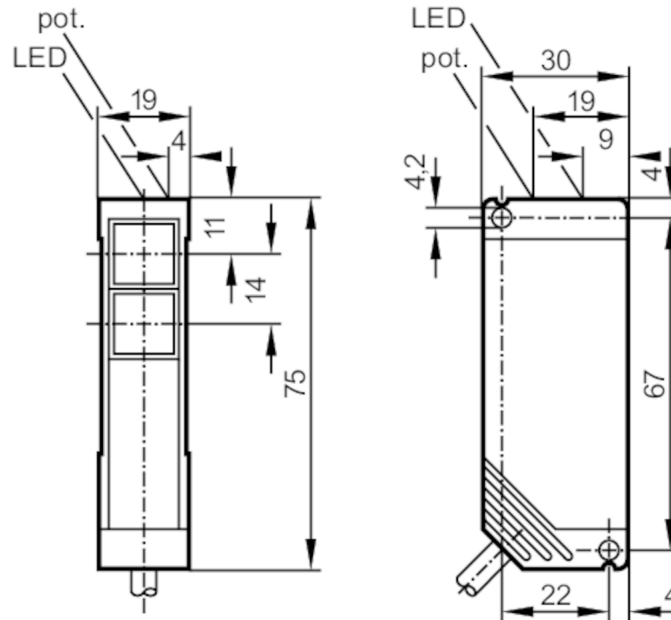
## Diffuse reflection sensor

OTT-FPKG/6M

Article no longer available - archive entry

Alternative articles: OT5003

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



- 1 potentiometer  
receiver in lower lens  
transmitter in upper lens



### Product characteristics

Type of light	infrared light
Housing	rectangular
Dimensions [mm]	75 x 19 x 30

### Application

Function principle	Diffuse reflection sensor
--------------------	---------------------------

### Electrical data

Operating voltage [V]	10...55 DC
Current consumption [mA]	40; ((24 V))
Protection class	II
Reverse polarity protection	yes
Type of light	infrared light
Wave length [nm]	880

# OT5019



## Diffuse reflection sensor

OTT-FPKG/6M

Outputs		
Electrical design		PNP
Output function		light-on/dark-on mode; (programmable)
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	250
Switching frequency DC	[Hz]	150
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes
Detection zone		
Range	[mm]	4...200; (white paper 200 x 200 mm)
Range adjustable		yes
Max. light spot diameter	[mm]	187
Light spot dimensions refer to		at maximum range
Operating conditions		
Ambient temperature	[°C]	-25...60
Protection		IP 67
Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
MTTF	[years]	583
Mechanical data		
Housing		rectangular
Dimensions	[mm]	75 x 19 x 30
Materials		PBT
Lens material		PMMA
Lens alignment		side lens
Displays / operating elements		
Display	switching status	1 x LED, yellow
	operation	1 x LED, green
Accessories		
Items supplied		Angle bracket: 1, E20441 screwdrivers
Remarks		
Pack quantity		1 pcs.

# OT5019



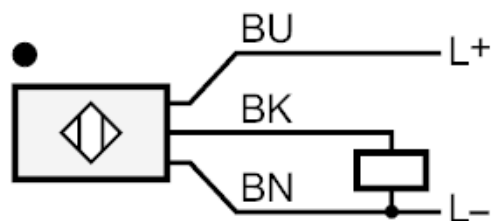
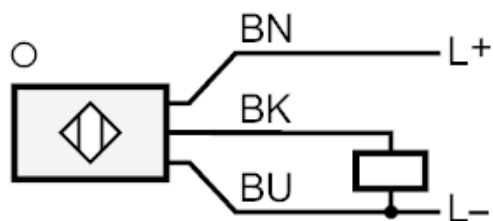
## Diffuse reflection sensor

OTT-FPKG/6M

### Electrical connection

Cable: 6 m, PVC; 3 x 0.34 mm<sup>2</sup>

### Connection



Core colours :

BN =

brown

BU =

blue

BK =

black



## Diffuse reflection sensor

OTT-FPKG/6M

### Diagrams and graphs

excess gain graph

