

Diffuse reflection sensors with background suppression

OGH-DPKG/6M



Product characteristics

Type of light	red light
Housing	Threaded type

Application

System	Background suppression
Function principle	Diffuse reflection sensor

Electrical data

Operating voltage	[V]	10...36 DC
Current consumption	[mA]	25
Protection class		II
Reverse polarity protection		yes
Type of light		red light

Outputs

Electrical design	PNP
Output function	dark-on mode
Max. voltage drop switching output DC [V]	2.5
Permanent current rating of switching output DC [mA]	150; (200 (...60 °C))
Switching frequency DC [Hz]	1000
Short-circuit protection	yes
Type of short-circuit protection	yes (non-latching)
Overload protection	yes

Monitoring range

Range	[mm]	< 200; (white paper 200 x 200 mm 90 % remission)
Range on white object (90 % remission)	[mm]	< 200
Range on grey object (18 % remission)	[mm]	< 200
Range on black object (6 % remission)	[mm]	< 190



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Range adjustable	no
Max. light spot diameter [mm]	17
Light spot dimensions refer to	Range
Background suppression available	yes

Operating conditions

Ambient temperature [°C]	-25...80
Protection	IP 65; IP 67; IP 68; IP 69K

Tests / approvals

EMC	EN 60947-5-2
MTTF [years]	372

Mechanical data

Weight [g]	256.5
Housing	Threaded type
Dimensions [mm]	M18 x 1 / L = 80.4
Thread designation	M18 x 1
Material	housing: stainless steel (1.4404 / 316L); sealing: EPDM
Lens material	PMMA

Displays / operating elements

Display	Switching status	1 x LED, yellow
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Accessories

Items supplied	lock nuts: 2
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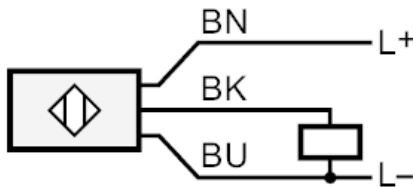
Remarks

Remarks	cULus - Class 2 source required
Pack quantity	1 pcs.

Electrical connection

Cable: 6 m, PVC; 3 x 0.34 mm²

Connection



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