

Basic features

Approval/Conformity	CE cULus UKCA WEEE
Principle of operation	Photoelectric sensor
Scope of delivery	Mounting bracket
Series	R81K
Style	Square with M18 Bullnose

Display/Operation

Display	supply voltage - LED green
---------	----------------------------

Electrical connection

Cable diameter D	3.9 mm
Cable length L	2 m
Connection	Cable, 2 m, PVC
Number of conductors	2
Polarity reversal protected	yes
Protection against device mix-ups	yes

Electrical data

Operating voltage U_b	10...30 VDC
Rated operating voltage U_e DC	24 V
Ready delay t_v max.	100 ms

Environmental conditions

Ambient temperature	-15...60 °C
IP rating	IP67

Functional safety

MTTF (40 °C)	390 a
--------------	-------

Material

Housing material	ABS PMMA
Material jacket	PVC
Material sensing surface	PMMA

Mechanical data

Mounting part	M18x1 Screw M3 (2x)
---------------	------------------------

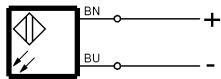
Optical features

Light type	Infrared
Principle of optical operation	Through-beam sensor (Emitter)
Wave length	850 nm

Range/Distance

Range	0.3...20 m
Rated operating distance S_n	20 m

Wiring Diagrams



Opto Symbols

