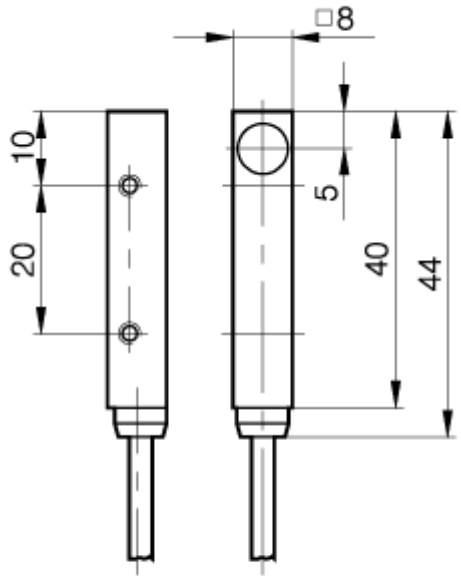
Optoelectronic Sensors
BOS Q08M-PS-RD10-03

Diffuse
8x8x44
Sn = 55 mm



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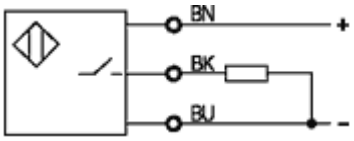

Approvals

Utilization categories DC13

If not differently indicated,
all values by IEC 947-5-2 (DIN EN60947-5-2)

Sensing distance measured with :
Kodak white card 200mm x 200mm, 90% reflection
Specifications subject to change

Common Data

Sensortype		Diffuse
Switching frequence		500 Hz
Rated operating distance Sn	mm	55
asured operating distance Sa	mm	0...50
Indication switching element		yes, red LED
Ambient temperature	°C	-10...+60°C
Light		Infrared, 640nm
Permissable ambient light	lux	per EN 60947-5-2

Mechanical Data

Measurements BxHxT or DxT	mm	8x8x44
Housing material		Gd-Zn nickel plated
Material of sensing face		PMMA
Degree of protection	IP	IP67
Connection		Cable
Weight		47g
Type of cable		PUR, 3x0,14mm²

Electric Data

Current		DC
Switching function		normally-open
Output		PNP
Rated operational current Ie	mA	100mA
Supply voltage	V	10...30 DC
Ripple	%	⩽ 10% from UB
No-load supply current	mA	⩽20
Voltage drop	V	⩽2
Short protection		yes
Protectde against polarity rev		yes

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