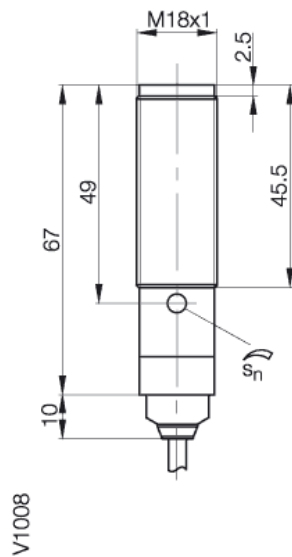


BOS 18K-NU-ID10-02

Photoelectric Sensors,
Diffuse

NPN
NO/NC switchable

BALLUFF
sensors worldwide

**Electrical data:**

Connection	cable
Switching output	NPN
Switching element function	NO/NC switchable
Operating frequency (f)	500 Hz
supply current I _o max. at U _e	35 mA
Off Time delay	1 ms
On Time delay	1 ms
Rated operational voltage min.	10 V
Rated operational voltage max.	30 V
Ripple incl.	max. 2V
noload supply cur. emitter max	35 mA
noload supply current rec. max	35 mA
Switching frequ. standard beam	500 Hz
On Time delay (standard beam)	5 ms
Off time delay (standard beam)	1 ms

Mechanical data:

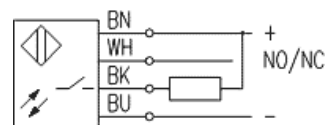
Cable code designation	PVC
Ambient temperature max	55 °C
Ambient temperature min	-25 °C
Sensing face material	PMMA
Housing material	ABS
sensitivity adjustment	Potentiometer
weight	75 g
Range max.	300 mm
Version	M18x1
adjusting operating dist.	Potentiometer

Optical data:

Emitter type	Infrared
wave length of emitted Light	880
permissible ambient light	acc. EN 60947-5-2

General data:

Function indication	yes
Degree of protection IP	IP 67
Polarity reversal resistant	yes
sensitivity adjustment	Potentiometer
Voltage drop at 100mA max.	2 V
On / off delay	1
Type	Diffuse

Wiring

www.balluff.com

Balluff Europe: +49 7158 173 -0
Balluff USA: 1-800-54 3-83 90
Balluff Asia: +86 21-50 64 41 31

Online Productinformation
2006-11-30