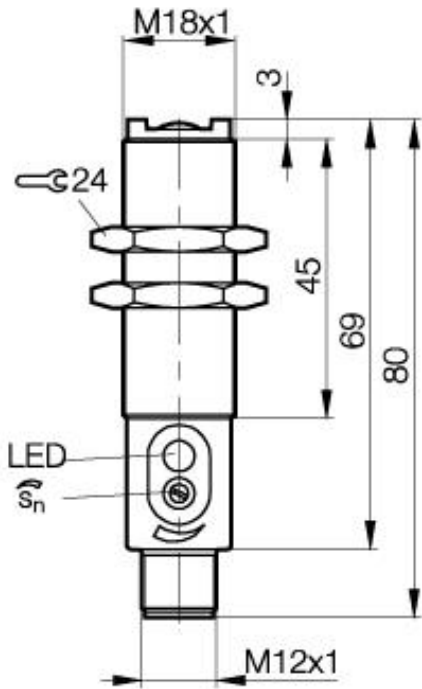
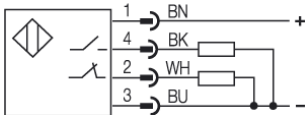


**Photoelectric Sensor**  
**BOS 18M-PA-1HA-S 4-C**  
**Sn=120mm**  
**Diffuse, Background suppression**



PX0797



**Common Data**

Series	18M
Sensortype	Diffuse, Background suppression
Switching frequency	600 Hz
Rated operating distance Sn in mm	120
asured operating distance Sa	adjustable
Repeat accuracy	< 5% from Sn
Hysteresis	< 5%
Indication Supply Voltage	yes
Indication Switching element on	yes
Indication Special funktion	yes
Ambient temperature	-5...+55°C
On-delay	< 0,8ms
Off-delay	< 0,8ms
Light	Red light
Sensitivity Adjustment	Poti
Blind zone / min Reflector distance	40mm
Permissable ambient light	2000 Lux
Output function	light-on or dark-on

**Mechanical Data**

Measurements	M18x80
Shock	Halfsinus, 30gn, 11ms
Vibration	10...55Hz, 1,5mm Amplitude 3x2h
Housing material	nickel plated brass
Material of sensing face	PMMA
Degree of protection	IP67
Connection	Connector S4 (M12)
Weigth	62g

**Electrical Data**

Current	DC
Switching function	NO/NC
Output	PNP
Rated operational voltage Ue	24V DC
Rated operational current Ie	200mA
Supply Voltage	10...30V DC
Ripple	< 10% from UB
Frequency of Supply Voltage	DC
Short protection	yes
Protected against polarity reversal	yes
Rated insulation voltage	75V DC

Utilization categories  
 Insulation class

Datasheet number:

Definitions see general catalog.  
 If not otherwise noted, ratings according to  
 IEC 60947-5-2 (DIN EN60947-5-2)

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Datenblatt by CD-ROM - 04/2007

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