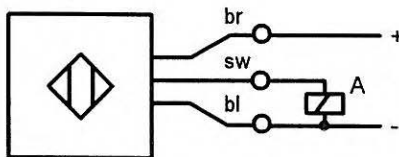


Circuit:



br = brown  
sw = black  
bl = blue

### Electrical Characteristics:

Supply voltage range (V <sub>B</sub> )	.....	10 V to 30 V DC
Ripple voltage	.....	10 %
Current consumption active	.....	< 1 mA
passive	.....	< 10 mA
Load current (I <sub>L</sub> )	.....	max. 200 mA
Reverse polarity protection	.....	yes

### Operating Characteristics - electrical:

Output saturation voltage	.....	< 2 V @ 200 mA
Repetition rate of sensing	.....	max. 800 Hz
Output voltage rise	.....	> 2 V/μs
Operating time	.....	100 %
Short circuit protection	.....	pulsating
Output function	.....	PNP - NC
Other switching characteristics are available on inquiry.		

### Operating Characteristics - mechanical:

Nominal sensing distance (S <sub>n</sub> )	.....	2,5 mm
Hysteresis	.....	typ. 0,1 mm
Reproduceability	.....	< 0,01 mm
Cable	.....	Resin sealed PVC cable 3×0,14 <sup>2</sup>

### Environmental Characteristics:

Housing material	.....	PA
Sensing distance temperature drift	.....	< 4 μm/K
Operating temperature range	.....	-30°C to +70°C
Seal	.....	IP67 iaw DIN 40 050
EMC	.....	iaw EN 50082 - 2 and EN 55011

1999	Date	Name	mm	Scale	 Elektrotechnik - GmbH & Co KG D - 72218 Wildberg	Order-Sign:
Design	22.02.	Kullick	←	1:1		L408.2116.25
Check		<i>AK</i>	General Tolerances			
Appro			DIN ISO 2768 mK			01 018 866