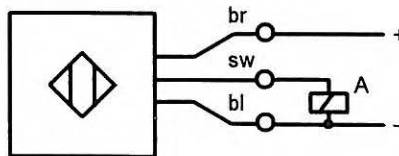
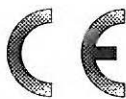


Circuit:



br = brown  
sw = black  
bl = blue

### Electrical Characteristics:

Supply voltage range ( $V_B$ ) ..... 10 V to 30 V DC  
 Ripple voltage ..... 10 %  
 Current consumption active ..... < 1 mA  
                                   passive ..... < 10 mA  
 Load current ( $I_L$ ) ..... 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/ $\mu$ s  
 Operating time ..... 100 %  
 Short circuit protection ..... pulsating  
 Output function ..... PNP - NC  
 Other switching characteristics are available on inquiry.

### Operating Characteristics - mechanical:

Nominal sensing distance ( $S_N$ ) ..... 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  $\mu$ m/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<br>→            | Scale<br>1:1 | <br>Elektrotechnik - GmbH & Co KG<br>D - 72218 Wildberg | Order-Sign:<br><br>L408.2115.25 |
| Design | 22.02. | Kulick |                    |              |   |                                 |
| Check  |        |        | General Tolerances |              |   |                                 |
| Appro  |        |        | DIN ISO 2768 mK    |              |   | 01 018 863                      |