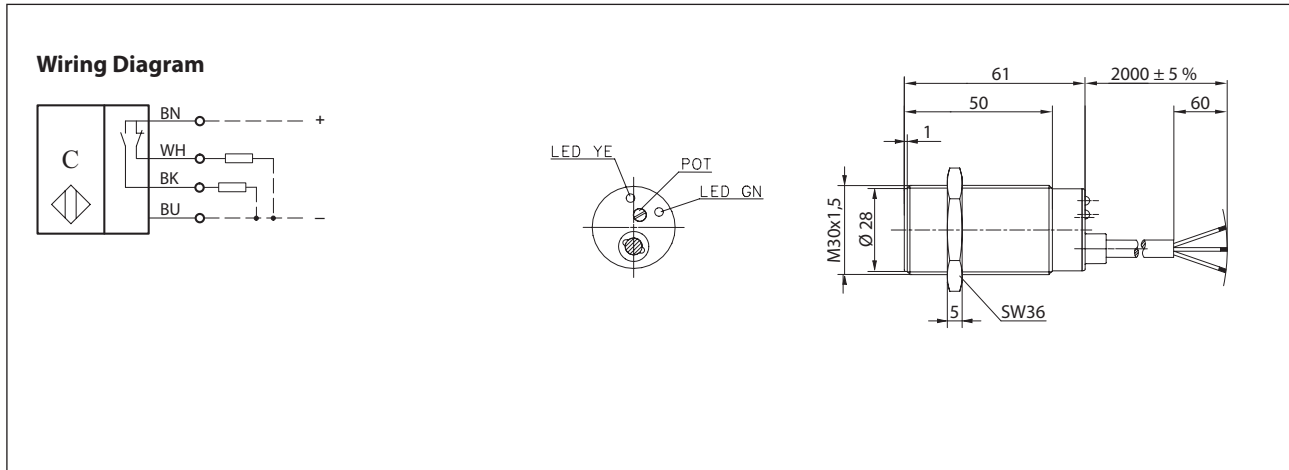


## Capacitive Proximity Switch Series M30

Description **KCB-M30PU/020-KL2**

Article number **6507808001**



### Identifying characteristics in accordance with EN 60947-5-2

Electrical data		
Rated operating distance	$S_n$	20 mm
Mounting		flush
Standard target		60 mm x 60 mm x 1 mm; material: steel; connected to earth
Effective operating distance	$S_r$	5 - 20 mm; $S_r$ adjustable with a potentiometer (poti). Turning to the right increases the sensitivity, Turning to the left reduces the sensitivity
Delivery status		Switching distance set to 5mm
Assured operating distance	$S_a$	$0 \leq S_a \leq 0,8 \times S_r$
Switching element function		DC antivalent
Repeat accuracy	R	$\leq 0,1 \times S_r$
Differential travel (hysteresis)	H	$\leq 0,2 \times S_r$
Frequency of operating cycles	f	$\approx 25$ Hz
Rate doperational voltage	$U_e$	12 – 24 V <sub>DC</sub>
Operational voltage range	$U_B$	10 – 40 V <sub>DC</sub>
Rated insulation voltage	$U_i$	75 V DC
Rated impulse withstand voltage	$U_{imp}$	500 V
Voltage drop	$U_d$	$\leq 2,5$ V <sub>DC</sub>
Rated operational current	$I_e$	200 mA <sub>DC</sub>
Off-state current	$I_r$	< 0,1 mA
No-load supply current	$I_o$	$\leq 20$ mA
Switching element		permanent overload and s.c.p.
Short-circuit protection		pulsed
False polarity protection		with permutation of +, -, output no damage occurs
Time delay before availability	$t_v$	< 150 ms

<b>Mechanical Data</b>	
Enclosure	Stainless steel (1.4305)
Cap	LCP, black
End cap	PA6.6, black
Ambient air temperature	- 5 °C ... + 70 °C (cable not fixed mounted) - 25 °C ... + 70 °C (cable fixed mounted)
Type of protection	IP67
Pollution degree	3 (Pollution of the active zone can cause impairments of the operating distances.)
Termination type	Cable 4 x 0,34 mm <sup>2</sup> , PVC-outer jacket black
For attachment	1 x Hexagon nut (brass, nickel plated)

<b>EU Conformity</b>	
	acc. to directive 2014/30/EU (EMC-Directive)