

# Technical Data

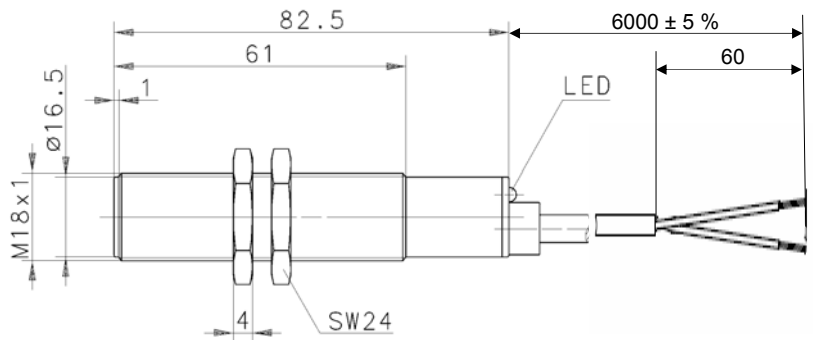
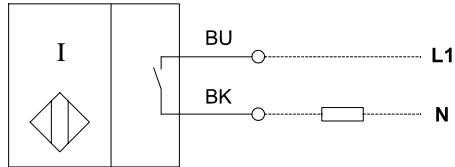
## Inductive Proximity Switch

### Series M18

Description **KIB-M18AS/005-L6**

Article number **6503505005**

#### Wiring Diagram



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

##### Electrical data

Rated operating distance	$S_n$	5 mm
Standard target		12 mm x 12 mm, t = 1mm; material: FE360
Mounting		flush
Assured operating distance	$S_a$	0 ... 4,1 mm
Switching element function		AC, N.O.
Repeat accuracy	R	≤ 5 %
Differential travel (hysteresis)	H	≈10%
Rated operational voltage	$U_e$	230 V AC
Operational voltage range	$U_B$	20 - 250 V AC
Rated insulation voltage	$U_i$	250 V AC
Voltage drop	$U_d$	<5 V
Utilization category		AC 140
Rated operational current	$I_e$	≤400 mA
Minimum operational current	$I_m$	≤ 5 mA
Off-state current	$I_r$	< 2 mA
Short-time current		3 A
Short-circuit protection		without
Frequency of operating cycles	f	≈ 10 Hz
Rated supply frequency		45 – 65 Hz
Protection class		II
Time delay before availability	$t_v$	≤ 100 ms

##### Electromagnetic compatibility (EMC)

Electromagnetic field test	IEC 61000-4-3
Electrostatic discharge test	IEC 61000-4-2
Electrical fast transient immunity test	IEC 61000-4-4
Radiated disturbance field strength	CISPR11

##### Mechanical Data

Front cap	PA 6.6, black
Enclosure	Brass, nickel plated
Ambient air temperature	-25°C ... +70°C
Type of protection	IP67
Pollution degree	3 (Pollution of the active zone can cause impairments of the operating distances.)
Indication	LED, yellow
Termination type	Cable 2 x 0,5 mm <sup>2</sup> x6m; PVC-Outer jacket, black
For attachment	2 x hexagon nut

##### EU Conformity

acc. to directive 2004/108/EC

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