Technical Data

Inductive Proximity Switch

BERNSTEIN

Series M18

Description	**KIN-M18AÖ/008-L2**	Article number **6503406001**

Wiring Diagram
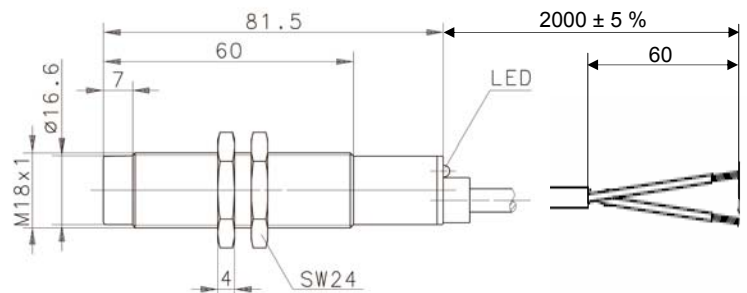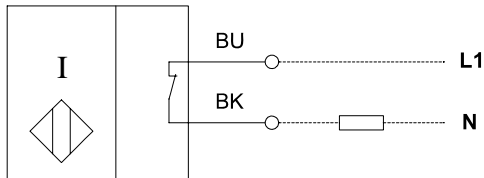
Identifying characteristics in accordance with EN 60947-5-2

Electrical data

Rated operating distance	S_n	8 mm
Standard target		12 mm x 12 mm, t = 1mm; material: FE360
Mounting		non flush
Assured operating distance	S_a	0 … 6,5 mm
Switching element function		AC, N.C.
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		I I
Time delay before availability	t_v	≤ 50 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 mm²x2m; PVC-Outer jacket, black
For attachment	2 x hexagon nut

EU Conformity

acc. to directive 2004/108/EC