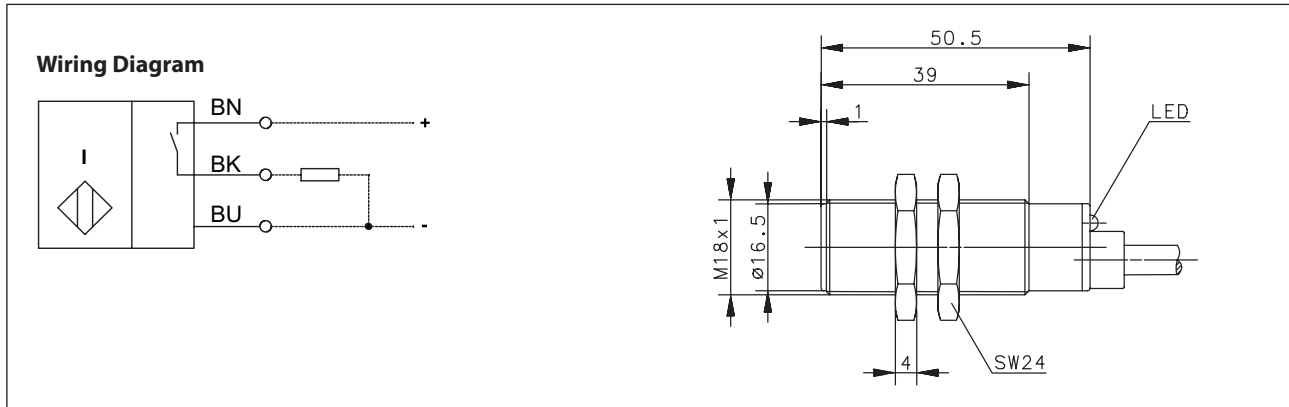


Inductive Proximity Switch Series M18

Description **KIB-M18PS/005-KL2D**

Article number **6522905013**



Identifying characteristics in accordance with EN 60947-5-2

| Electrical data | | |
|----------------------------------|-----------|-------------------------------|
| Rated operating distance | S_n | 5 mm |
| Assured operating distance | S_a | 0 ... 4,1 mm |
| Switching element function | | N.O. |
| Repeat accuracy | R | ≤ 5 % |
| Differential travel (hysteresis) | H | ≈ 10 % |
| Operational voltage range | U_B | 10 - 36 V DC |
| Rated insulation voltage | U_i | 75 V DC |
| Rated impulse withstand voltage | U_{imp} | 500 V |
| Voltage drop | U_d | ≤ 2 V |
| Utilization category | | DC-13 |
| Rated operational current | I_e | 200 mA |
| Off-state current | I_r | < 0,3 mA |
| No-load supply current | I_o | < 11 mA |
| Switching element | | Permanent overload and s.c.p. |
| Short-circuit protection | | pulsed |
| Frequency of operating cycles | f | 500 Hz |
| Mounting | | flush |
| False polarity protection | | yes |
| 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 | EN 55011 |

| Mechanical Data | |
|-------------------------|---|
| Front cap | PA 6.6, black |
| Enclosure | Brass, nickel plated |
| Endcap | PA 12, black |
| Ambient air temperature | -25 °C ... +60 °C |
| Type of protection | IP67 |
| Indication | Output LED yellow |
| Termination type | Cable 3 x 0,5 mm ² x 2 m, PVC - Outer jacket, black; |
| For attachment | 2 x hexagon nut, brass, nickel plated |

| EU Conformity | |
|----------------------|---|
| | acc. to directive 2014/34/EU (ATEX Directive) |
| | acc. to directive 2014/30/EU (EMC-Directive) |

| Label | |
|--------------|-----------------------------|
| ATEX | II 3G Ex nA IIC T6 Gc X |
| | II 3D Ex tc IIIC T80°C Dc X |