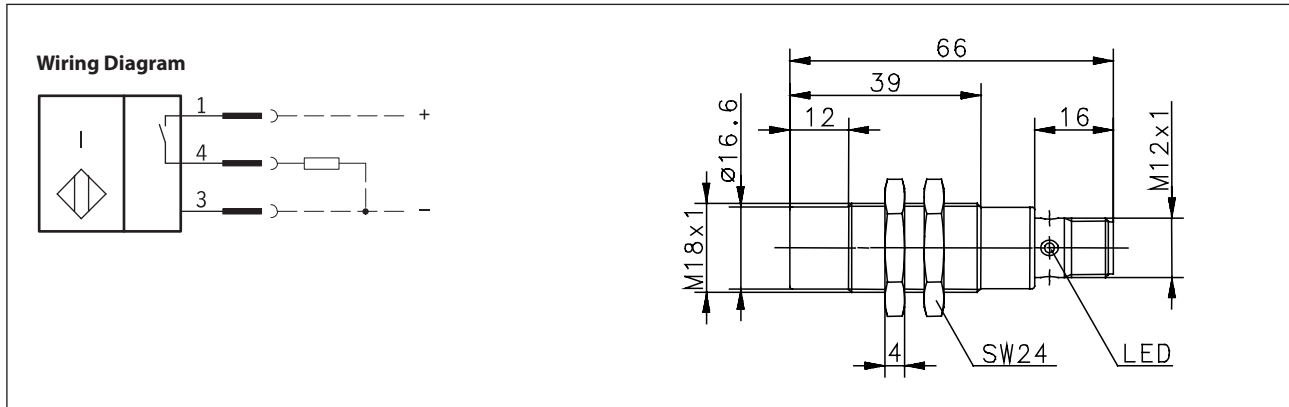


Inductive Proximity Switch Series M18

Description **KIN-M18PS/016-KLS12E**

Article number **6502941004**



Identifying characteristics in accordance with EN 60947-5-2

| Electrical data | | |
|----------------------------------|-----------|--|
| Rated operating distance | S_n | 16 mm |
| Standard target | | 48 mm x 48 mm, t = 1 mm; material: FE360 |
| Real sensing distance | S_r | 14,4 ... 17,6 mm |
| Assured operating distance | S_a | 0 ... 12,2 mm |
| Switching element function | | DC, 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 | ≤ 1,5 V |
| Utilization category | | DC-13 |
| Rated operational current | I_e | 200 mA |
| Minimum operating current | I_m | 1 mA |
| Off-state current | I_r | < 0,1 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 | 200 Hz |
| Mounting | | non flush |
| False polarity protection | | Yes |
| Time delay before availability | t_v | ≤ 50 ms |

| Mechanical Data | |
|--|--|
| Front cap | PA 6.6, black |
| Enclosure | Brass, nickel plated |
| End cap | PA 12, black |
| Ambient air temperature | -25 °C ... +70 °C |
| Max. Temperature drift of the switching distance | ±15 % |
| Type of protection | IP67 (only in fully locked position with it's plugs) |
| Degree of pollution | 3 (Pollution of the active zone can cause impairments of the operating distances.) |
| Indication | LED yellow |
| Termination type | Plug connector |
| For attachment | 2 x hexagon nut |

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