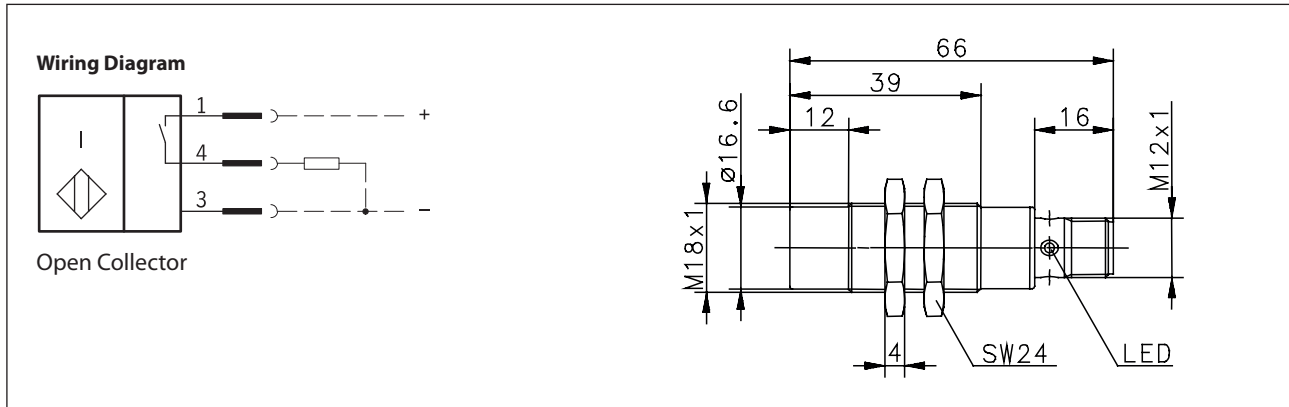


## Inductive Proximity Switch Series M18

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

Product reliability (in acc. with DIN EN 61709 (SN 29500))	
MTTF	> 800 years (Confidence level (CL) 60 % and average ambient temperature 40°C)

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