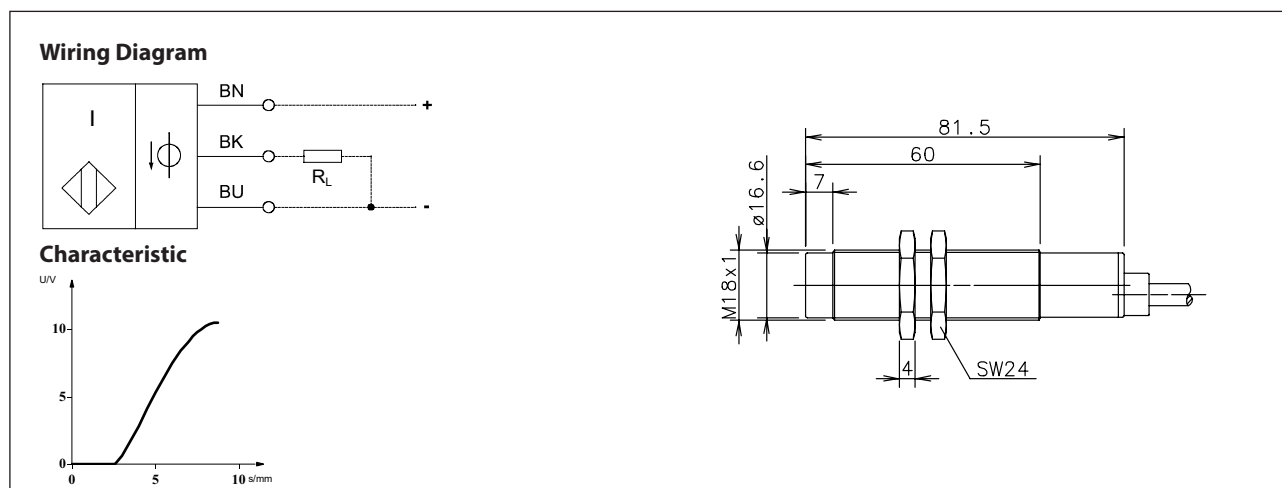


Inductive Proximity Switch Series M18

Description **KIN-M18PA/008-2**

Article number **6502006001**



Identifying characteristics

Electrical data		
Range of measurement	S	3-8 mm
Mounting		non flush
Standard target		S235; 24 mm x 24 mm x 1 mm
Voltage output	U	0-10 V DC at $R_L=6,6 \text{ k}\Omega$; $R_i=1,2 \text{ k}\Omega$
Repeat accuracy		$\leq 2 \%$ referring to the accumulated value (10 V DC)
Linearity error		$\pm 5 \%$ referring to the accumulated value (10 V DC)
Temperature error		$\pm 15 \%$ referring to the accumulated value (10 V DC)
Rated operational voltage	U_e	12-24 V DC
Operational voltage range	U_B	10-36 V DC; incl. ripple frequency
No-load supply current	I_0	$\leq 20 \text{ mA}$
False polarity protection		protection against reverse supply polarity
Switching element		permanent overload and s.c.p.
Transient voltage rate		200 V for 1 ms at $R_i=1 \text{ k}\Omega$

Mechanical Data	
Enclosure	M18 x 1, brass nickel plated
Front cap	PA 6.6 black
Ambient air temperature	-25 °C ... +70 °C
Type of protection	IP67 (NEMA 4)
Termination type	Cable 3 x 0,5 mm ² x 2 m, PVC black
Vibration	10-55 Hz; a=1 mm
Shock	30 g; $t_{\text{shock}}=11 \text{ ms}$

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