

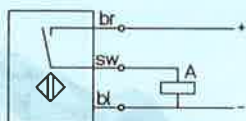
Proximity sensor

inductive, with built-in protective circuit
with cable:

Type SIE-M 5 S-PS-K =

with plug and LED:

Type SIE-M 5 S-PS-S = LED



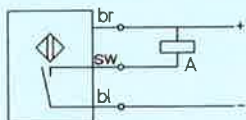
PNP output

with cable:

Type SIE-M 5 S-NS-K =

with plug and LED:

Type SIE-M 5 S-NS-S = LED



NPN output

Accessories:

Cable with socket for sensors with plug connector.

Design:

Angle socket 90° (WD) or straight socket (GD).

Order code:

15 678 SIM-K-WD-2.5, cable length 2.5 m

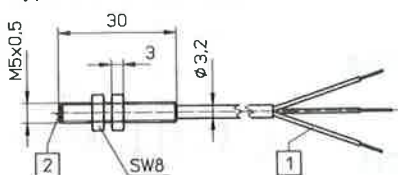
15 679 SIM-K-GD-2.5

15 239 SIM-K-WD-5, cable length 5 m

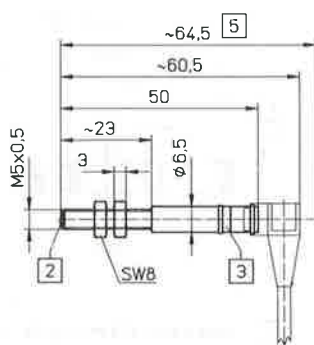
15 240 SIM-K-GD-5

See sheet 2.385

Type SIE-... with cable



Type SIE-... with plug



- 1 3-core cable, 2.5 m long (3 × 0.14 mm²)
- 2 Active surface
- 3 Yellow LED
- 5 Mounting space for 90° angle socket

Colour coding

blk = black

br = brown

bl = blue

When a metallic object approaches to within the switching distance of the active blue surface of the sensor, an electrical signal is output.

A built-in LED shows yellow when the sensor is actuated.

Correction factor for S_a for following materials:

Reduction factor	Working switching distance (S_a)
St 37	$1.0 \times S_a$
Brass	$0.45 \times S_a$
Aluminium	$0.4 \times S_a$
Copper	$0.25 \times S_a$

Order code	PNP output	19 090 SIE-M 5 S-PS-K =	19 092 SIE-M 5 S-PS-S = LED
Part No./Type	NPN output	19 091 SIE-M 5 S-NS-K =	19 093 SIE-M 5 S-NS-S = LED
Medium	Electrical current		
Design	Contactless electrical signal generator		
Mounting	Can be installed flush in metal		
	Thread M 5 × 0.5		
Connection	3-core cable, 2.5 m long	Plug connection	
Switching voltage	10 to 30 V DC		
Residual ripple	Max. 10% to DIN 41755		
Max. switching current	75 mA		
Nominal switching distance (S _n) with St 37	0.8 mm		
Actual switching distance (S _r)	0.72 to 0.88 mm		
Working switching distance (S _a)	0 to 0.65 mm		
Switching hysteresis	1 to 15% S _r		
Reproducible switching accuracy	0.01 mm		
Switching frequency	Max. 5 kHz		
Switching time	0.2 ms		
Degree of protection (DIN 40050)	IP 67	IP 65	
Temperature range	− 25 to + 70 °C		
Material	Nickel-plated brass		
Weight	0.075 kg	0.006 kg	