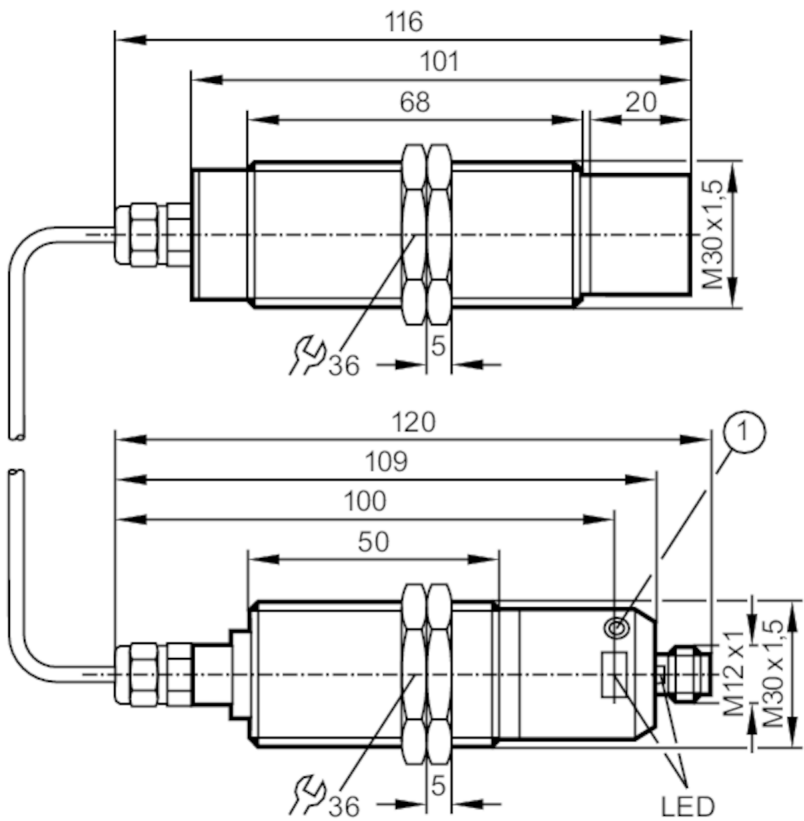


KN5121



Capacitive high-temperature sensor

KNM30-HAFPKG



1 programming button



Application		
Media		dry bulk material
Recommended media		plastic granulates
Electrical data		
Operating voltage	[V]	10...30 DC
Current consumption	[mA]	34; (typical: 34 (24 V); maximum: 39 (30 V))
Protection class		III
Reverse polarity protection		yes



Capacitive high-temperature sensor

KNM30-HAFPKG

Outputs		
Electrical design	PNP	
Output function	normally open / normally closed; (selectable)	
Max. voltage drop switching output DC [V]	2.5	
Max. voltage drop of function check output [V]	3.5	
Max. current load for function check output [mA]	10	
Permanent current rating of switching output DC [mA]	200	
Switching frequency DC [Hz]	10	
Short-circuit protection	yes	
Type of short-circuit protection	pulsed	
Overload protection	yes	
Detection zone		
Sensing range [mm]	sensing range programmable	
Sensing range adjustable	yes	
Operating conditions		
Ambient temperature [°C]	-15...230	
Note on ambient temperature	sensor: -15...230 °C	
	briefly: ...250 °C (4 h)	
	HF connection cable: -25...200 °C	
	electronics: -25...70 °C	
Protection	IP 67	
Tests / approvals		
EMC	EN 60947-5-2	
MTTF [years]	347	
Mechanical data		
Weight [g]	458.6	
Housing	threaded type	
Mounting	non-flush mountable	
Dimensions [mm]	M30 x 1.5 / L = 116	
Thread designation	M30 x 1.5	
Materials	housing sensor: PPS; brass white bronze coated; housing electronic: PBT; PP; brass white bronze coated	
Displays / operating elements		
Display	switching status	2 x LED, yellow
	operation	1 x LED, green
	error	1 x LED, red
Electrical connection		
Connection	HF connection cable	
Accessories		
Accessories (supplied)	lock nuts: 2	

KN5121



Capacitive high-temperature sensor

KNM30-HAFPKG

Remarks

Pack quantity

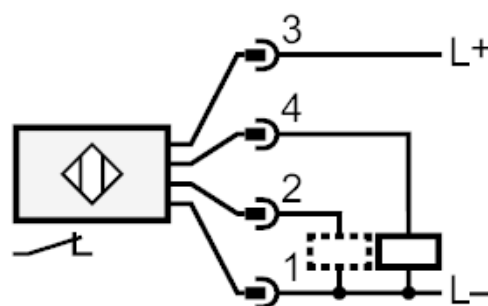
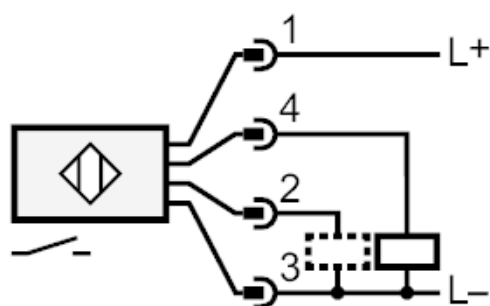
1 pcs.

Electrical connection - plug

Connector: 1 x M12



normally open



2: Function check output programming wire

Electrical connection - HF connection cable

Cable: 2 m