



L = Length, 1) LED function indicator



### Basic features

Approval/Conformity	CE cULus UKCA WEEE
Principle of operation	Inductive sensor
Scope of delivery	O-ring Ø17.13x2.62 Hexagon socket screw UNC 1/4"-20x3/4"- 12.9 (2x)

### Display/Operation

Function indicator	LED yellow
Power indicator	Green LED

### Electrical connection

Connection	M12x1-Male, 4-pin, A-coded
Protection against device mix-ups	yes
Short-circuit protection	yes

### Electrical data

No-load current $I_0$ max., damped	35 mA
No-load current $I_0$ max., undamped	20 mA
Operating voltage $U_b$	10...30 VDC
Rated operating current $I_e$	200 mA
Rated operating voltage $U_e$ DC	24 V
Ready delay $t_v$ max.	100 ms
Residual current $I_r$ max.	100 $\mu$ A
Switching frequency	30 Hz
Utilization category	DC -13
Voltage drop static max.	2 V

### Environmental conditions

Ambient temperature	-25...70 °C
IP rating	IP67

### Functional safety

MTTF (40 °C)	640 a
--------------	-------

### Interface

Switching output	PNP/NPN normally open (NO)
------------------	----------------------------

### Material

Housing material	Zinc Aluminium
Material sensing surface	Duroplast

### Mechanical data

Dimension	Ø 12.7 mm x 1.25 "
Installation	for flush mounting
Pressure rating max.	206 bar
Pressure rating, note	oil pressure rated

### Range/Distance

Assured operating distance Sa	1.6 mm
Hysteresis H max. (% of Sr)	15.0 %
Rated operating distance Sn	2 mm
Real switching distance sr	2 mm
Tolerance Sr	10 %

### Connector Drawings



### Wiring Diagrams (Schematic)

