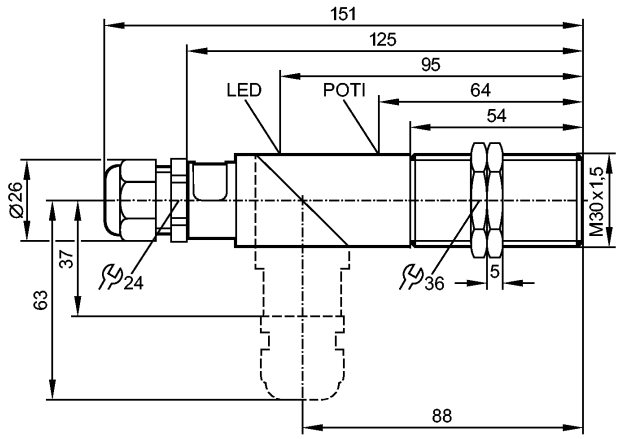
ifm electronic

Capacitive sensors

KI5065

KIE3015-FPKG/NI/3D
Capacitive sensor
Plastic thread M30 x 1.5
Terminals
ATEX approval
Group II, category 3D
Increased immunity to conducted radio frequency interference

Sensing range 15 mm [nf]
adjustable
non-flush mountable



Made in Germany

CE

Electrical design Output		DC PNP normally open / closed programmable
Operating voltage	[V]	10...30 DC *)
Current rating	[mA]	250
Short-circuit protection		pulsed
Reverse polarity protection		yes
Overload protection		yes
Voltage drop	[V]	< 2.5
Current consumption	[mA]	A: < 4 (24 V) / < 7.5 (55 V) / B: < 14 (24 V) / < 17.5 (55 V) ***)
Real sensing range	[mm]	15 ± 10 %
Switch-point drift	[% of Sr]	-15...15
Hysteresis	[% of Sr]	1...15
Switching frequency	[Hz]	10
Correction factors		water = 1 / glass approx. 0.4 / ceramics approx. 0.2 / PVC approx. 0.2
Ambient temperature	[°C]	-20...60 **)
Protection		IP 54 ****), II
EMC		IEC 60947-5-2: 2007
Marking of the unit		Ex II 3D Ex tD A22 IP54 T80°C X
Housing materials		PBT; PA
Function display		
Switching status	LED	yellow
Connection		terminals up to 2.5 mm²; cable diameter 5.5...13 mm, cable gland M20 x 1.5
Tightening torque for cable gland	[Nm]	
Weight	[kg]	0.16
Remarks		*) 10...55 V DC when used outside the hazardous area **) -25...80 °C when used outside the hazardous area ***) A = not switched / B = switched ****) IP 65 outside hazardous areas Special conditions for safe operation apply for use in hazardous areas. Observe the corresponding notes in the operating instructions (Ex protection related part).
Accessories (included)		2 lock nuts, screwdriver

KI5065

Wiring

