

**M30 Ultrasonic Sensors 3500 Series**



**M18 350-3500mm (14'- 12') Range**  
Accurately Measures Distances to 12'

**Harsh Ultrasonic Sensor**

**Ideal for measuring bulk solids**

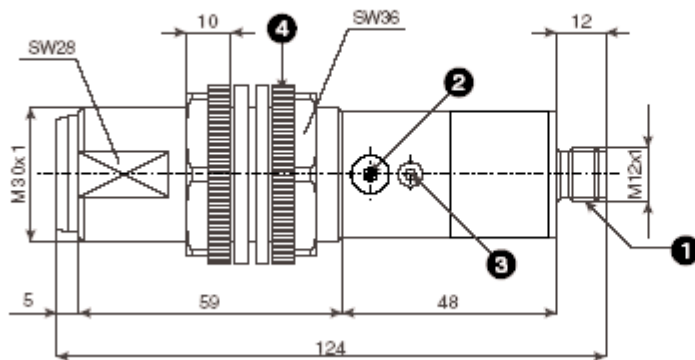
**19-30Vdc 2 PNP and 1 Analog output 4-20mA**

**Easy set up using Teach in function**

**anti fog, anti washdown, light immune, color immune**

**IP67 protection degree**

**protection from electrical damages**



- 1. M12 B1 5 pin
- 2. Sensitivity adjustment
- 3. Yellow LED
- 4. Plastic tightening nut

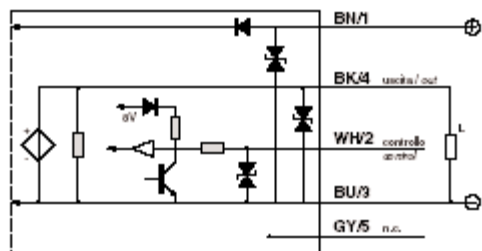
**Parts Matrix**

ultrasonic sensor series	U
M30 30mm diameter body	3
350-3500mm range	35K
diffuse mode	D
PBTB housing	T
5 wire device	5
2 PNP & analog output 4-20mA	H
NO/NC	3
130Hz	F
M12 5 Pin connector	B1
range (mm) max	3500m

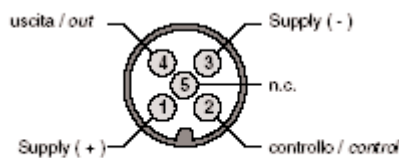
**Part Number Specifications**

**U33KDT5H3FK2 2 PNP & 420mA M12 B1**

**Wiring Diagram**



**B1 Connector**



**TECHNICAL SPECIFICATIONS**

Nominal Sensing Distance	350-3500mm
Emission	ultrasonic
Hysteresis	1%/2mm
Linearity Error	.5%/3mm
Output Slope	-
Ultrasonic Frequency	ultrasonic
Switching Frequency.	.8Hz
No Load Supply Current	>25mA
Output	2 PNP Digital + 1 Analog 420mA
Load Current	100mA (digital)
Operating Voltage U <sub>b</sub>	19-30VDC
Voltage Drop	-
Control Input	teach in
Ultrasonic Beam Angle	8 degrees
Ripple	10%
Max Respnse Time	120ms target speed 1m/s - 500ms Stepped
Protection Degree (DIN 40 050)	IEC IP67
Housing Material	PBTP
Time Delay	>1s
Sensitivity Adjustment	teach-in
Operrating Temp	-15--+70C
Storage Temp	-25--+75C
Supply/Electrical Protections	short circuit/overvoltage
Protections	IP67
Weight	124g