M18 Cylindrical Ultrasonic Sensor — Switching Output

BUDM-M18-100-S125 series · Sensing Distance: 70...1000mm · Switching Freq.: Max: 10Hz

IP65
Ingress Protection



KEY SPECIFICATIONS

SENSING DISTANCE 70...1000mm	SWITCHING FREQ. Max: 10Hz
AMBIENT TEMP. -25...70°C	HOUSING M18*1mm
BLIND ZONE 0...70mm	INGRESS PROTECTION IP65

MODEL CODES

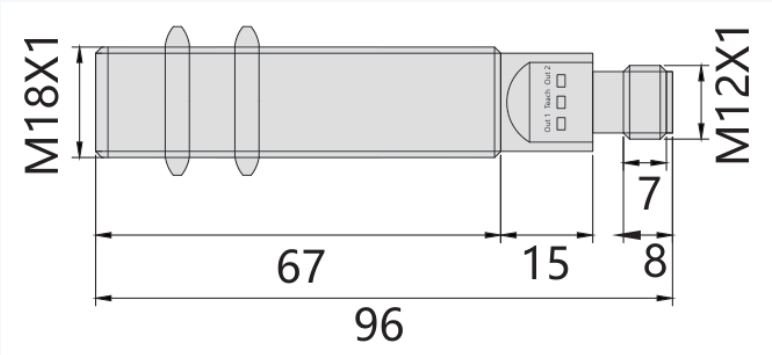
Output Type	Model Code
NPN N.O+N.C	BUDM-M18-N31100-S125 SKU 10105179
PNP N.O+N.C	BUDM-M18-P31100-S125 SKU 10105180

TECHNICAL DATA

Exterior structure	M18*1mm
Sensing distance	70...1000mm
Adjustment range	90...1000mm
Blind zone	0...70mm
Standard detection object	100*100mm
Transducer frequency	200 kHz
Power-on delay	≤400ms
Yellow LED	Constantly bright: indicates the switching status. flicker: object is detected
Red LED	Constantly bright: distance setting failed. flicker: no target detected in Teach-in state
Operating voltage	DC 10...30V, Ripple 10%Vss

No-load current	≤50mA
Output type	Switching output NPN/PNP, NO+NC
Short-circuit / overload protection	Yes
Voltage drop	≤3V
Repeatability	≤1%
Switching frequency	Max: 10Hz
Range hysteresis	1mm
Ambient temperature	-25...70°C
Storage temperature	-40...85°C
Connection	M12 Connector
Ingress protection	IP65
Material	Housing: Brass, nickel-plated

DIMENSIONAL DRAWINGS



All dimensions in mm.