

Ultrasonic sensor

Standard cylinder M18 Single switch output

US1- M1



Features

- Sync mode
- Output: cable and M12 plug cable exit
- Models with PNP,NPN

CE UL **PNP/NPN**

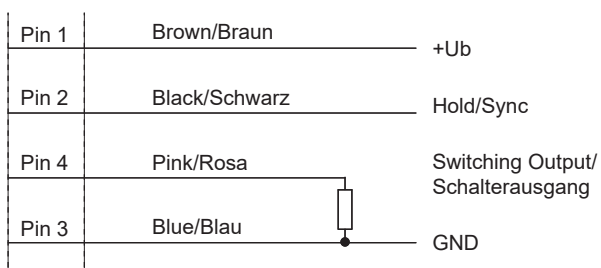
Technical Data

Beam angle	Schallkegelöffnung	8 °
Spannungsbereich EN	Spannungsbereich	19 - 30 VDC
Current consumption without load	Stromverbrauch ohne Last	35 mA
Repeatability	Wiederholgenauigkeit	0,20%
Switching frequency	Schaltfrequenz	<20 Hz*
Max. switching current	Max. Ausgangsstrom	500 mA
Hysteresis	Hysteresese	<2,50%
Temperature range	Temperaturbereich	-15 - +70 °C
Range of temperature compensation	Bereich der Temperaturkompensation	0 - 60 °C
Reverse polarity	Verpolung	Yes
Voltage spikes on supply lines	Spannungsspitzen	Yes
Short circuit switching output	Kurzschluß	Yes
Sealing	Schutzart	IP67
Material of housing	Gehäusematerial	Plastic
Wiring	Anschluß	Cable - connector M12 / Cable

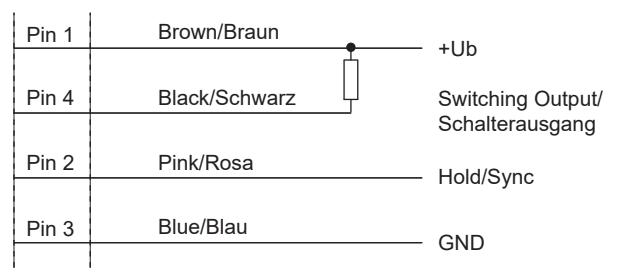
*: 20Hz when Max. sensing distances≤600mm,10Hz when Max. sensing distance=1500mm

Wiring

PNP



NPN



M12, 5pins pin top view(sensor)



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Ordering example	US1- <u>M1</u> <u>k</u> <u>18</u> - <u>XXXX</u> - <u>X</u> <u>XX</u> <u>X</u> - <u>XXX</u> <u>X</u>					
	series					
● Shape / function M1= cylinder / Single switch		● Sensing distance 0300= 60-300mm 0600= 100-600mm 1500= 200-1500mm		● operation voltage A = 19-30VDC		
● Material of housing K= Plastic		● Detection mode 1= Reflection		● Wiring PXX= standard cable outlet (XX meters) PV1= Cable - connector M12,5pins		
● Size 18= M18		● Output P0= PNP NO N0= NPN NO		● Set point adjustment B= Teach in Lacunae= No		

dimensions

