

# 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**

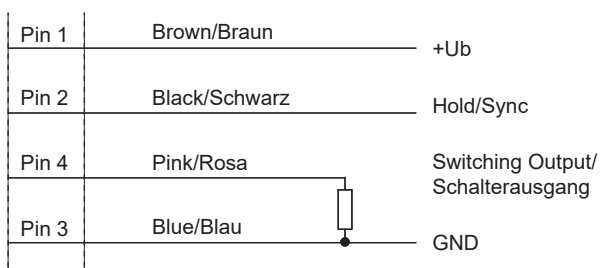
## Technical Data

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

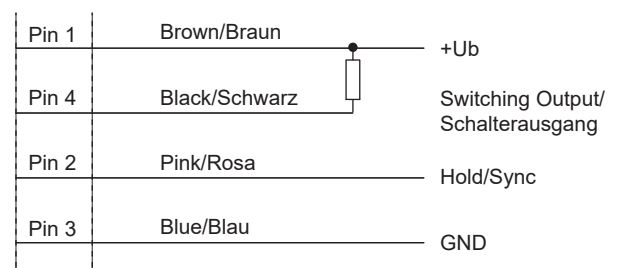
\*: 20Hz when Max. sensing distances≤600mm,10Hz when Max. sensing distance=1500mm

## Wiring

### PNP



### NPN



M12, 5pins pin top view(sensor)



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Ordering example

US1- M1 k 18 - XXXX-X XX X- XXX X

series    **a**   **b**   **c**                    **d**   **e**   **f**   **g**                    **h**   **l**

**a** Shape / function  
M1= cylinder / Single switch

**b** Material of housing  
K= Plastic

**c** Size  
18= M18

**d** Sensing distance  
0300= 60-300mm  
0600= 100-600mm  
1500= 200-1500mm

**e** Detection mode  
1= Reflection

**f** Output  
P0= PNP NO  
N0= NPN NO

**g** operation voltage  
A = 19-30VDC

**h** Wiring  
PXX= standard cable outlet (XX meters)  
PV1= Cable - connector M12,5pins

**l** Set point adjustment  
B= Teach in  
Lacunae= No

## dimensions

