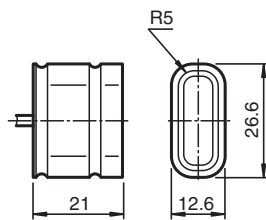# Ultrasonic transducer
USI2500-27X13E-3M-V3

- Extremely compact dimensions
- Elliptic sound cone
- 3 m cable length
- Temperature range up to 80 °C (176 °F)

Ultrasonic transducer with cable 3 m, exclusively for the USi-safety evaluation unit

CE

Dimensions

Technical Data

General specifications	
Type	Ultrasonic transducer
Ambient conditions	
Ambient temperature	-40 ... 80 °C (-40 ... 176 °F)
Storage temperature	-40 ... 85 °C (-40 ... 185 °F)
Mechanical specifications	
Connection type	fixed cable with plug
Degree of protection	IP69 for the front surface , otherwise IP67
Material	
Housing	PA 6.6
Transducer	PBT , silicone
Connector	
Threading	M8 x 1
Number of pins	3
Material	PUR
Cable	
Cable diameter	2 mm

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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Technical Data

Bending radius		fixed cable: > 5 x cable diameter
Tension force		max. 20 N
Material		PUR
Color		black
Length	L	3 m
Mass		35 g

Installation Conditions

Hinweis für die Montage
The ultrasonic transducer can be installed in the mounting brackets available from Pepperl+Fuchs as well as in mounting brackets designed in-house. The sensor must only be fixed in place using the factory-fitted O-rings. These are mainly used for acoustic decoupling.

Commissioning

This component is only intended for use in conjunction with the ultrasonic sensor system USi-safety. Further details, mounting and commissioning instructions for the safe ultrasonic sensor system USi-safety can be found in the original instructions on the respective product page at www.pepperl-fuchs.com.

Matching System Components

	USI-MH-27X13-H-01	Horizontal mounting bracket exclusively for the USi-safety ultrasonic transducer
	USI-MH-27X13-V-01	Vertical mounting bracket exclusively for the USi-safety ultrasonic transducer

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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