

1) Ultrasonic transducer, 2) Display and control panel



### Basic features

<b>Application</b>	Object detection
<b>Approval/Conformity</b>	cULus LISTED CE EAC WEEE UKCA
<b>Operating mode</b>	Reflectionlight scanner (switching point) Refl.light scanner (window) Retro-reflector
<b>Series</b>	Q62K1

### Display/Operation

<b>Adjuster</b>	Key (2x)
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### Electrical connection

<b>Connection</b>	M12x1-Male, 5-pin
<b>Polarity reversal protected</b>	yes
<b>Short-circuit protection</b>	yes

### Electrical data

<b>Current draw max.</b>	60 mA
<b>Hysteresis H max.</b>	50 mm
<b>Operating voltage <math>U_b</math></b>	9...30 VDC
<b>Output current max.</b>	200 mA
<b>Rated operating voltage <math>U_e</math> DC</b>	24 V
<b>Switching frequency</b>	4 Hz
<b>Synchronization</b>	internal, max. 10 sensors
<b>Ultrasonic Frequency</b>	120 kHz

### Environmental conditions

<b>Ambient temperature</b>	-25...70 °C
<b>IP rating</b>	IP67
<b>Storage temperature</b>	-40...85 °C

### Functional safety

<b>MTTF (40 °C)</b>	389 a
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Ultrasonic Sensors  
**BUS Q62K1-PWX-35/340-S92K**  
**Order Code: BUS006F**



**Interface**

**Switching output** 2x PNP normally open/normally closed (NO/NC)

**Material**

**Housing material** PBT  
**Material sensing surface** PU foam/Epoxy resin/Glass

**Mechanical data**

**Dimension** 62.2 x 62.2 x 32.7 mm  
**Mounting part** 4-hole screw mount  
 Screws M8

**Range/Distance**

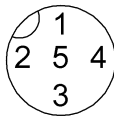
**Range** 350...5000 mm  
**Rated operating distance Sn** 3400 mm  
**Repeat accuracy** ± 0.15 %FS  
**Resolution** ≤ 0.180 mm

**Remarks**

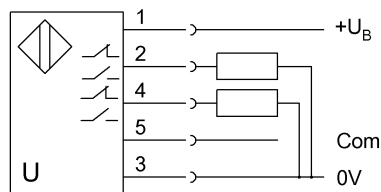
For additional information, refer to user's guide.  
 Order accessories separately.  
 Do not press key using a pointed tool.  
 Reference object for Sn: tube ø27mm. Max. range refers to the aligned plate.  
 The sensor is functional again after the overload has been eliminated.  
 For more information about MTTF and B10d see MTTF / B10d Certificate

Indication of the MTTF- / B10d value does not represent a binding composition and/or life expectancy assurance; these are simply experiential values with no warranty implications. These declared values also do not extend the expiration period for defect claims or affect it in any way.

**Connector Drawings**



**Wiring Diagrams**



Technical Drawings

