

## Barcode Reader, type 6727-40

The barcode reader type 6727-40 is a distance reader for barcodes.

It serves for reading barcode-labels on 50 ml-milk sample bottles type 6845-x in stationary and mobile systems.

It may be employed in connection with the Barcode Reading Unit type 6723-10.



### Function

The barcode reader acquires wide and narrow bars/gaps by optical reading. For this purpose, an red LED illuminates diffusely the surface of the barcode field.

The reflecting light (deflecting mirror, a lens, a screen) reaches the receiving transistor via an optical system.

The subsequent electronic circuit supplies a TTL-compatible pulse string output, corresponding to the sequence of bars and gaps.

Two internal metal resistors heat up the reading window and thus avoid contamination.

### Features

- For reading barcode labels on 50 ml sample bottles type 6845-x
- For stationary and mobile systems
- TTL-compatible output
- Robust, splash water-tight housing
- Heated reading window for condensation-free sight.

Technical Data	
<b>Device-specific data</b>	
Wave length LED	700 nm
Bar resolution	0,35 mm
Distance deviation	± 1 mm
Min. barcode height	3 mm
Reading speed with min. bar thickness of 0,3 mm	5 ... 100 cm/sec
Min. pulse width	100 µs
Contrast	Min. 50 %
<b>Electrical data</b>	
Power supply	5 V DC +20%, -10%, 17 ... 19 mA, heating: 24 V DC / 1,5 W
Electrical connection	7m-connection cable with open ends, cable inlet via PG7
Output	TTL-compatible output, „bright“ ≙ low, „dark“ ≙ high
<b>Ambient conditions</b>	
Operating temperature	-10 ... +50 °C
Storage temperature	-40 ... +85 °C
Climatic class / Protection type	KUF / IP 65
<b>Mechanical data</b>	
Dimensions	99,5 x 26,0 x 88,3 mm
Height up to sender light exit	57 mm
Weight	approx. 3,3 N ≙ 0,33 kg
Housing	Plastics housing
Mounting	Screwing with 2 screws M4, hole distance 61 mm, Mounting position: vertical (corresponding to the barcode label)
<b>Dimensions</b>	
<b>Ordering details</b>	
<b>Designation</b>	<b>Order number</b>
Barcode Reader, type 6727-40	U96410672740

### Electrical Connection

Wire Colour	Signal	Assignment
ye	HZG	Heating-Reading Window
gn	HZG	Heating-Reading Window
gy	SDI	Digital output signal
pk	+5 V	Supply voltage
bu	0 V	Supply voltage
ye/gn		Shield