

ULTRASAMPLER® - Sampling System Manual Sample Bottle Lifting Unit Type 6871-3-30 and/or Type 6871-4-30

The manual sample bottle lifting unit type 6871-3-30 and/or type 6871-4-30 is an inexpensive device for positioning bottles when filling milk samples at the collecting truck. It is applied in connection with the sampling system ULTRASAMPLER®, and is suitable especially in places, where only a few samples accrue during the collection tour. The feeding of the empty sample bottles and their transport into the filling position as well as the intake of the filled bottles into magazines, both are carried out manually.

The function of the manual sample bottle lifting unit consists of lifting the sample bottle into the upper position, being the filling position, as well as in putting down the filled sample bottle by help of an operating lever. The manual sample bottle lifting unit is screwed to the sampler and in the mounted state is located underneath the peristaltic pump. In the filling position, the injection needle of the sampler sticks through the sealing cap of the sample bottle. A proximity switch, integrated into the lifting unit, recognizes the filling position and makes possible a control of the milk collecting procedure.

Models

Corresponding to the sampler types for flow from the right side and from the left side, manual lifting units are available: 6871-3-30 for flow from the right side, 6871-4-30 for flow from the left side.

Technical Data

Usable sample bottles:

50 ml sample bottles with three-fold slot sealing cap.

Dimensions: 183 x 190 x 78 mm.

Weight: apprx. 7 N (\approx 0.7 kg).

Structure:

Fixed and movable parts from stainless steel, sliding washers from Teflon; inductive proximity switch screwed and fixed by a locknut.

Ambient conditions:

Admiss. operating temperature:
-10 ... +50 °C.

Climatic class:

IWA according to DIN 40040.

Inductive proximity switch:

Make contact, minus-switching.

Voltage via proximity switch:

open = U -3 V, closed \leq 0.3 V.

Max. current \leq 200 mA, short-circuit proof.

No-load current \leq 20 mA.

Electr. connection: 2 m connection

cable, 3-core, open cable ends.

Protective system IP67 according to DIN 40050.

Admiss. temperature -25 ... +70 °C.

Order designations

Lifting unit type 6871-3-30, for flow from the right:

Order no. 944 1 6871330

Lifting unit type 6871-4-30, for flow from the left:

Order no. 944 1 6871430

Proximity switch (type NJ2-12GK-E):

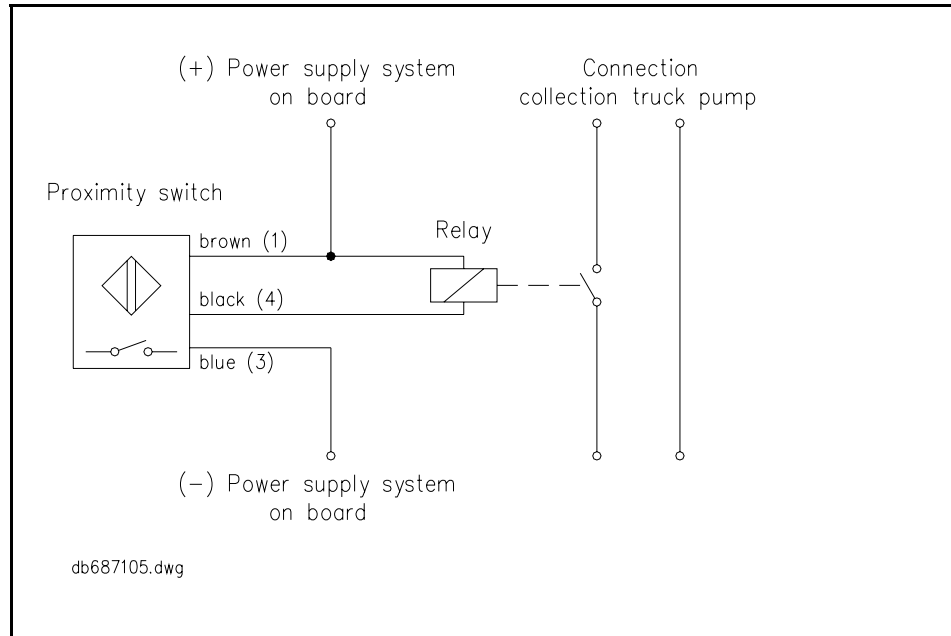
Order no. 495593

Manual Lifting Unit for Sample Bottles

- **Inexpensive equipment for positioning the bottles when filling Milk Samples**
- **Easy mounting and little space required for installation**
- **Signal feedback via proximity switch allows the integration into automatic sequence routines**
- **Types for flow direction from right and from left**

Electrical Connection of the proximity switch:

The inductive proximity switch may act as hardware sealing of the collecting truck pump. In the activated state (filling position) it switches on a relay, releasing the electrical remote control of the collecting truck's pump.



Dimensions:

Dimensions in mm.

