

1) Sensing surface, 2) Housing, 03) Fixation, 4) Measuring length min., 05) name plate



**Basic features**

<b>Approval/Conformity</b>	CE UKCA cULus WEEE
<b>Basic standard</b>	IEC 60947-5-7
<b>Scope of delivery</b>	Short guide Sealing tape
<b>Sensitivity</b>	adjustable on base unit
<b>Series</b>	F03

**Display/Operation**

<b>Function indicator</b>	no
<b>Power indicator</b>	no

**Electrical connection**

<b>Cable diameter D</b>	2.9 mm
<b>Cable length L</b>	0.3 m
<b>Connection</b>	Binder 719, 3-pin
<b>Number of conductors</b>	3
<b>Short-circuit protection</b>	yes

**Electrical data**

<b>No-load current <math>I_0</math> max. at <math>U_e</math></b>	8 mA
<b>Operating voltage <math>U_b</math></b>	4...8 VDC
<b>Rated insulation voltage <math>U_i</math></b>	75 V DC
<b>Rated operating voltage <math>U_e</math> DC</b>	8 V
<b>Ripple max. (% of <math>U_e</math>)</b>	5 %
<b>Switching frequency</b>	50 Hz
<b>Utilization category</b>	DC -13

**Environmental conditions**

<b>Ambient temperature</b>	0...60 °C
<b>Contamination scale</b>	2
<b>IP rating</b>	IP64
<b>IP rating (connector)</b>	IP40
<b>IP rating IEC 60529 (connector)</b>	IP40

**Functional safety**

<b>MTTF (40 °C)</b>	472 a
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**Interface**

<b>Interface</b>	Special interface
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**Material**

<b>Housing material</b>	PET PA
<b>Material jacket</b>	TPU
<b>Material sensing surface</b>	3M VHB 5925

Capacitive Sensors  
**BCW F03EA85-XXSFNC-EP00,3-GZ01**  
Order Code: BCW0004



**Mechanical data**

Dimension	33 x 2 x 850 mm
Installation	flush with container outer wall
Mounting part	Self-adhesive 2-hole screw mount
Weight	43 g

**Range/Distance**

Measuring range	850 mm
Non-linearity max.	±8 % FS
Repeat accuracy	2 %FS
Temperature drift max. from end value	±10.0 %

**Remarks**

The product may only be used such that when there is a malfunction or total failure there is no risk to life and limb, machines or other high value equipment.

Malfunctions possible in the range of the working frequency 0.6...30 MHz

Non-linearity / accuracy within 10...90% of measuring range: 4%

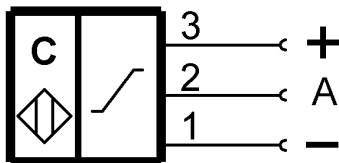
For more information about MTTF and B10d see MTTF / B10d Certificate

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

