



Product Service

# CERTIFICATE

No. Z10 14 09 20166 030

**Holder of Certificate:** elobau GmbH & Co. KG  
 Zeppelinstr. 44  
 88299 Leutkirch  
 GERMANY

**Factory(ies):** 20166

**Certification Mark:**



**Product:** Safety components  
**Model(s):** Safetysensor Reed 1xxMSKx0x1x  
 with Actuator 1xxMBKx01  
**For nomenclature see attachment**

**Parameters:**  
 Power Supply: 24Vdc ± 20%  
 Degree of Protection: IP67 and IP6k9k  
 Working Temperature: -25°C ... +80°C

The report below and the user documentation in the currently valid revision are mandatory part of this certificate. The product complies with the following listed safety requirements only if the specifications documented in the currently valid revision of this report are met.

**Tested according to:**  
 2006/42/EC  
 EN 60947-5-3/A1:2005  
 EN ISO 14119:2013  
 IEC 61508-1:2010 (SIL 2 / 3)  
 IEC 61508-2:2010 (SIL 2 / 3)  
 IEC 61508-4:2010 (SIL 2 / 3)  
 IEC 62061/A1:2012 (SIL CL 2 / 3)  
 EN ISO 13849-1:2008 (PL d / e, Cat. 3 / 4)

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition the certification holder must not transfer the certificate to third parties. See also notes overleaf.

**Test report no.:** EL86148C  
**Valid until:** 2019-10-12

*Peter Weiss*  
 ( Peter Weiss )

**Date,** 2014-10-13





# ATTACHMENT

to certificate

No. Z10 14 09 20166 030

## Nomenclature of Safetysensor Reed 1xxMSKx0x1x with Actuator 1xxMBKx01

Nomenclature of Safety Sensor

1xxMSKx0x1x

(a) (b)(c)(d)

**a: Dimensions**

53 36\*26\*13 mm

65 88\*25\*13 mm

**b: Version**

0 Standard (Un-reinforced)

1 Reinforced

**c: Type of connection**

H Connector M12x1, 4 pins Pigtail

J Connector M12x1, 8 pins Pigtail

K Cable

**d: Contact Version**

A NO / NO

B NO / NO / LED

C NO / NO / Control Contact NO

D NO / NO / Control Contact NO /LED

E NO / NO / lateral activation

F NO / NO / lateral activation / LED

G NO / NC

H NO / NC / LED

I NO / NC / Control Contact NO

J NO / NC / Control Contact NO /LED

K NO / NC / lateral activation

L NO / NC / lateral activation / LED



Product Service

## Nomenclature of Actuator

**1xxMBKx01**

(a) (b)

**a: Dimensions****53** 36\*26\*13 mm**65** 88\*25\*13 mm**b: Contact Version****0** Standard (Un-reinforced); frontal activation**1** Reinforced; frontal activation**2** Standard (Un-reinforced); 90°**3** Reinforced; 90°**4** Special Version**Date:** 2014-10-13

Page 3 of 3