



Product Service

# CERTIFICATE

No. Z10 080353 0003 Rev. 01

**Holder of Certificate:** **Fagor Automation, S. Coop.**

San Andrés 19  
20500 Arrasate - Mondragón  
SPAIN

**Certification Mark:**



**Product:** **Safety components**

**Safe Torque Off (STO)**  
**Safe Brake Control (SBC)**

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. This certificate is valid until the listed date, unless it is cancelled earlier. All applicable requirements of the testing and certification regulations of TÜV SÜD Group have to be complied. For details see: [www.tuvsud.com/ps-cert](http://www.tuvsud.com/ps-cert)

**Test report no.:** FA90573C

**Valid until:** 2027-07-03

**Date,** 2022-07-05

( Peter Weiß )



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**Parameters:**

Supply voltage:	24 (1±10 %) Vdc
Response time STO:	< 50 ms
Response time SBC:	< 10 ms
Operating temperature:	+5 °C ... +45 °C

**Tested according to:**

- IEC 61800-5-1:2007
- IEC 61800-5-1:2007/A1:2016
- IEC 61800-5-1:2007/AMD1:2016
- IEC 61800-5-2:2016 (SIL 2)
- IEC 61508-1:2010 (SIL 2)
- IEC 61508-2:2010 (SIL 2)
- IEC 61508-4:2010 (SIL 2)
- EN ISO 13849-1:2015 (Cat 3, Pl d)

**Model(s):** MULTI-AXIS BOX, MAB

### Nomenclature of MAB, TYPE MODELS

MAB X Y A B C D

**MAB** MULTI-AXIS BOX

**X** N Non regenerative power  
R Regenerative power

**Y** L Low power  
H High power

**A** 0 X11S non mounted  
1 X11S mounted

**B** 0 X11A non mounted  
1 X11A mounted

**C** 0 X11B non mounted  
1 X11B mounted

**D** 0 X11C non mounted  
1 X11C mounted



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Model/ Type Models reference certified:

MABNL1001	MABRH1111
MABNL1100	MABRL1001
MABNL1110	MABRL1100
MABNL1111	MABNL0111
MABNH1100	MABNL1101
MABNH1110	MABNH0111
MABNH1111	MABRL0111
MABRL1110	MABRL1101
MABRL1111	MABRH0111
MABRH1110	

Remarks:  
R describes if the POWER SUPPLY is regenerative or not.  
If it is regenerative it can return the energy back to the grid.

The Type model indicate the type of HW. Each Type model has a relationship with the Commercial model in the manual. Also, both indicated in the nameplate.