

certificate  
no. **IFA 1401170**  
dated 2014-11-06

European notified body  
Identification number: 0121

Translation In any case, the German original shall prevail.

## EC-Type Test Certificate

Name and address of the holder of the certificate (customer): Danfoss Power Electronics A/S  
Ulsnaes 1  
6300 Gråsten  
DENMARK

Product designation: **VLT® Safe Option**

Type: MCB 150, MCB 151, MCB 152  
(for status see attachment)

Testing based on: DIN EN 61800-5-1: 2008-04 (IEC 61800-5-1),  
DIN EN 61800-5-2: 2008-04 (IEC 61800-5-2),  
DIN EN ISO 13849-1: 2008-12 (ISO 13849-1),  
DIN EN ISO 13849-2: 2013-02 (ISO 13849-2),  
DIN EN 61508-1 to 7: 2011-02 (IEC 61508-1 to 7),  
DIN EN 62061: 2013-09 (IEC 62061) for application

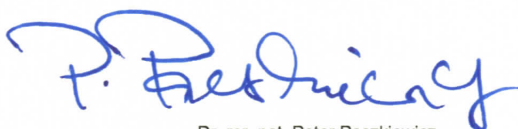
Test Report: No. 2013 22197.1 of 2014-11-03

Further details: The VLT® Safe Option MCB 150 / MCB 151, with the integrated safety functions STO, SS1 und SLS, meets the requirements of category 3 and Performance Level PL d according to ISO 13849-1, as well as SIL 2 according to IEC 61800-5-2 und IEC 61508. The same is valid for the VLT® Safe Option MCB 152 with integrated safety function STO and PROFIsafe Connection. The VLT® Safe Option is suitable for use in safety applications up to SIL CL 2 according to IEC 62061.

The type tested complies with the provisions laid down in the directive 2006/42/EC (**Machinery**).

The present certificate is valid until: **2019-11-05**

Further provisions concerning the validity, the extension of the validity and other conditions are laid down in the Rules of Procedure for Testing and Certification.

*mpe*  


Dr. rer. nat. Peter Paszkiewicz  
Head of testing and certification body



Dipl.-Ing. Ralf Apfeld  
Certification officer

**IFA**Institut für Arbeitsschutz der  
Deutschen Gesetzlichen Unfallversicherung  
Prüf- und Zertifizierungsstelle im DGUV Test

Sankt Augustin, 2019-02-06

Page 1/1

**Attachment to  
EC-Type Test Certificate  
Marking Permission****IFA 1401170  
IFA 1403009**

This attachment replaces the attachment of 2016-03-15

**1. 1. Hardware status of VLT® Safe option**

Type	Order No.	Hardware	Status
MCB 150	130B3280	130C7130	Issue 5
MCB 151	130B3290	130C7130	Issue 5
MCB 152	130B9860	130C7130	Issue 5

**2. 2. Software versions of VLT® Safe option**

Type	Order No.	Software Versions
MCB 150	130B3280	Version 2.01, 2.02, 2.03, 2.04
MCB 151	130B3290	Version 2.01, 2.02, 2.03, 2.04
MCB 152	130B9860	Version 2.01, 2.03

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Prüf- und Zertifizierungsstelle im DGUV Test

Sankt Augustin, 06.02.2019

Seite 1 von 1

**Anlage zur/zum  
EG-Baumusterprüfbescheinigung IFA 1401170  
Zeichengenehmigung IFA 1403009**

Diese Anlage ersetzt die Anlage vom 15.03.2016

**1. Hardware Ausgabestand der VLT® Safe option**

Typ	Bestellnummer	Hardware	Ausgabestand
MCB 150	130B3280	130C7130	Issue 5
MCB 151	130B3290	130C7130	Issue 5
MCB 152	130B9860	130C7130	Issue 5

**2. Software Ausgabestand der VLT® Safe option**

Typ	Bestellnummer	Software Versionen
MCB 150	130B3280	Version 2.01, 2.02, 2.03, 2.04
MCB 151	130B3290	Version 2.01, 2.02, 2.03, 2.04
MCB 152	130B9860	Version 2.01, 2.03

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