

RoHS Konformitätserklärung

Die Richtlinie 2002/95/EG der Europäischen Union zur Beschränkung und Verwendung bestimmter gefährlicher Stoffe in elektrischen und elektronischen Geräten (RoHS), tritt am 1. Juli 2006 in Kraft. Dabei handelt es sich im namentlichen um folgende Substanzen:

- Blei (Pb)
- Cadmium (Cd)
- Hexavalentes Chrom (CrVI)
- Polybromierte Biphenyle (PBB)
- Polybromierte Diphenylether (PBDE)
- Quecksilber (Hg)

MERZ Schaltgeräte GMBH + CO KG erklärt hiermit, dass sämtliche Produkte der MERZ Schaltgeräte GMBH + CO KG RoHS-konform produziert werden.

Declaration of RoHS-conformity

Directive 2002/95/EC of the European Union on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS) becomes operative as from 1st of July, 2006. Following substances namely are involved.

- Lead (Pb)
- Cadmium (Cd)
- Hexavalent chromium (CrVI)
- Polybrominated biphenyls (PBB)
- Polybrominated diphenyl ethers (PBDE)
- Mercury (Hg)

MERZ Schaltgeräte GMBH + CO KG herewith declares that all of our products are manufactured RoHS conformal.

Gaildorf
Place

09.12.2013
Date

Christoph Widmann, Produktmanager
Name and Designation



Authorized Signature

Ingeteam Power Technology
Parque Tecnológico, 106
48170 Zamudio, Biscay
Spain

Ihre Zeichen
Your reference

REACH

Ihr Schreiben vom
Your letter of

Unsere Zeichen
Our reference

REACH CONFORMITY

Durchwahl
Direct dialling

-300

Telefax
Fax

-351

Datum
Date

09.12.2013

REACH CONFORMITY

We hereby confirm that according to the Regulation (EC) No. 1907/2006 of the European parliament and of the council of 18 December 2006 Merz Schaltgeräte GMBH + CO KG acts as a downstream user (producer of articles).

Merz Schaltgeräte GMBH + CO KG purchase all substances and preparations used for our complete range of products from suppliers who have declared that all substances, including those used in preparations, are registered in accordance with the REACH Regulation. Furthermore, we hereby confirm that the list of very high concern substances (SVHC) for authorization published by the European Chemicals Agency (ECHA), dated December 15th, 2010 has been also taken under consideration. The same applies to the substances, groups of substances or preparations listed in Annex XVII.

The articles supplied by Merz Schaltgeräte GMBH+ CO KG do not require registration.

Merz Schaltgeräte GMBH + CO KG confirms that where appropriate a safety data sheet for each substance and preparation has been, or will be obtained from our suppliers before the time limit set by the REACH Regulations. As necessary, relevant safety information will be communicated up and down the supply chain.



i. A. Christoph Widmann
Product Manager

Konformitätserklärung

Declaration of Conformity

Wir / We

MERZ Schaltgeräte GMBH +CO KG
(Name des Anbieters / Supplier's name)Kernerstrasse 15
74405 Gaildorf
Deutschland
(Anschrift / Address)erklären in alleiniger Verantwortung, dass das/die folgende(n) Produkt(e) /
declare under our sole responsibility that the following product(s)Typ: MDC1A
Artikel: DC-Lasttrennschalter/ DC-Disconnect Switch(Bezeichnung, Typ oder Modell, Los-, Chargen- oder Serien-Nr., möglichst Herkunft und Stückzahl /
Name, type or model, batch or serial number, possibly sources and number of items)auf das/die sich diese Erklärung bezieht, mit der/den folgenden Norm(en) oder normativen Dokument(en)
übereinstimmt. /
to which this declaration relates is in conformity with the following standard(s) or other normative document(s).

- EN 60947-1:2007
- IEC 60947-3:2009
- CSA C22.2 No.14-10

(Titel und/oder Nr. Sowie Ausgabedatum der Norm(en) oder der anderen normativen Dokumente /
Title and/or number and date of issue of the standard(s) or other normative document(s))Gemäß den Bestimmungen der Richtlinie(n) / Following the provisions of directive(s)
(falls zutreffend / if applicable)

- NSp RL 2006/95/EG
- EMV RL 2004/108/EG

Gaildorf, den 27.10.2011
(Ort und Datum der Ausstellung /
Place and date of issue)
i.A. E. Leidig, i.A. C. Widmann
(Name und Unterschrift oder gleichwertige
Kennzeichnung des Befugten /
Name and signature or equivalent marking
of authorized person)

Diese Konformitätserklärung entspricht der Europäischen Norm EN 45014 "Allgemeine Kriterien für Konformitätserklärungen von Anbietern". Die Grundlage der Kriterien sind internationale Dokumente, insbesondere ISO/IEC-Leitfaden 22, 1982, „Informations of manufacturer's declaration of conformity with standards or other technical specifications“.

This Declaration of Conformity is suitable to the European Standard EN 45014. "General criteria of supplier's declaration of conformity". The basis for the criteria has been found in international documentation, particularly in: ISO/IEC Guide 22, 1982, „Informations of manufacturer's declaration of conformity with standards or other technical specifications“.

CERTIFICATE



for the management system according to ISO 9001:2008

The proof of the conforming application with the regulation was furnished and in accordance with certification procedure it is certified for the company

Merz GmbH
Kernerstraße 15
74405 Gaildorf
Germany

Scope

**Development, manufacture and sale of electrical
switching devices, energy distribution, controllers,
test systems and metal working**

Certificate Registration No.: TIC 15 100 128220

Valid until: 2015-12-04

Valid from: 2012-12-05

Audit Report No.: 3330 2KDW A0

Initial certification: 2009

This certification was conducted in accordance with the TIC auditing and certification procedures and is subject to regular surveillance audits.

TÜV Thüringen e.V.
Certification body for
systems and personnel



Jena, 2012-12-11

Deutsche
Gesellschaft für
Akkreditierung mbH



DGA-ZM-03-06-00



Original certificates
are branded with a hologram.

The current validity can be demanded at our homepage www.tuev-thueringen.de

Zertifizierungsstelle des TÜV Thüringen e.V. • Ernst-Ruska-Ring 6 • D-07745 Jena • ☎ +49 3641 399740 • ✉ zertifizierung@tuev-thueringen.de

CERTIFICATE

Issued to:

Applicant:

Merz Schaltgeräte GmbH + Co KG.

Kernerstrasse 15

74405, Gaildorf/Wuerttemberg, Germany

Manufacturer/Licensee:

Merz Schaltgeräte GmbH + Co KG.

Kernerstrasse 15

74405, Gaildorf/Wuerttemberg, Germany

Product(s) : switch-disconnector

Trade name(s) : MERZ

Type(s)/model(s) : MDC-1A series

The product and any acceptable variation thereto is specified in the Annex to this certificate and the documents therein referred to.

DEKRA hereby declares that the above-mentioned product has been certified on the basis of:

- a type test according to the standard EN 60947-1:2007; EN 60947-3:2009;
- an inspection of the production location according to CENELEC Operational Document CIG 021
- a certification agreement with the number 936762

DEKRA hereby grants the right to use the KEMA-KEUR certification mark.

The KEMA-KEUR certification mark may be applied to the product as specified in this certificate for the duration of the KEMA-KEUR certification agreement and under the conditions of the KEMA-KEUR certification agreement.

This certificate is issued on: 30 September, 2011 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 2143462.01

DEKRA Certification B.V.

drs. G.J. Zoetbrood
Managing Director

F.S. Strikwerda
Certification Manager

© Integral publication of this certificate is allowed

All testing, inspection, auditing and certification activities of the former KEMA Quality are an integral part of the DEKRA Certification Group.

ACCREDITED BY
THE DUTCH COUNCIL
FOR ACCREDITATION



SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

Product	:	Switch-disconnector	
Trade name	:	MERZ	
Types	:	MDC-1A-040-600 MDC-1A-045-600	
Rated insulation voltage	:	1000 V dc	
Conventional thermal current (Ith)	:	40 / 45 A	
Ratings/utilization category (Ue-Ie)	:	<u>DC-21B</u>	
		<u>MDC-1A-040-600</u>	<u>MDC-1A-045-600</u>
		600 V – 40 A	600 V – 45 A
		1000 V – 25 A	1000V – 25 A
Rated short time withstand current (Icw)	:	540 A - 1 sec.	
Rated short time making capacity (Icm)	:	540 A	
Rated impulse withstand voltage	:	8 kV	
Operational performance	:	category B	
Without current	:	1700 operating cycles	
With current	:	300 operating cycles, DC-21B	
Connection capacity	:	Solid or stranded: 1,5 mm ² -10 mm ² Flexible: 1,5 mm ² - 10 mm ²	
Description	:	2-poles, for front mounting or base mounting	

TESTS**Test requirements**

EN 60947-1:2007

EN 60947-3:2009

Test result

The test results are laid down in DEKRA test file 2143462.01.

Remarks

This certificate replaces certificate 2136668.01.

The switch-disconnectors can be made with the following housing materials:

- Ultramid
- Nilamid
- Vampamid
- Frianyl

Conclusion

The examination proved that all test requirements were met.

Tested by : R. Verhagen

Checked by : H.L. Schendstok

Factory locations

PCE Polska Sp. z o.o.

Podlesna 9, 58-200, Dzierzoniow

Poland