Lloyd's Register

Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

This certificate is issued to:

PRODUCER	Siemens AG Low Voltage Siemensstasse 10 93055 Regensburg Germany
PLACE OF PRODUCTION	Wendelsteiner Str. 5 91126 Nürnberg Germany
DESCRIPTION	Load-break switch with auxiliary contact blocks
TYPES	3LD20, 3LD21, 3LD22, 3LD25, 3LD27, 3LD28
APPLICATION	Marine, offshore and industrial applications for use in environmental categories ENV1, ENV2 and ENV3 as defined in Lloyd's Register's Type Approval System, Test Specification Number 1 - 2002.
STANDARDS	EN 60947-1 : 04.2008 EN 60947-3 : 03.2006 EN 60947-5-1 : 02.2007 IEC 60529 : 02.2001

Certificate No.	00/20057 (E3)
Issue Date	06 June 2014
Expiry Date	01 July 2018
Sheet	1 of 2

Thorsten Wolff
Hamburg Technical Support Office
Lloyd's Register EMEA

Lloyd's Register EMEA
71 Fenchurch Street, London EC3M 4BS

Lloyd's Register EMEA
is a subsidiary of Lloyd's Register Group

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as the 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.

Lloyd's Register

"This Certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid certificate."

The attached Design Appraisal Document No. HTS/ETS 29799-14 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

All other details remain as the previous Certificate No. 00/20057 (E2) to which this extension should be attached.

Certificate No.	00/20057 (E3)
Issue Date	06 June 2014
Expiry Date	01 July 2018
Sheet	2 of 2

Thorsten Wolff
Hamburg Technical Support Office
Lloyd's Register EMEA

Lloyd's Register EMEA
71 Fenchurch Street, London EC3M 4BS

Lloyd's Register EMEA
Is a subsidiary of Lloyd's Register Group

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as the 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.

SIEMENS

EU-Konformitätserklärung / *EU Declaration of Conformity*

Nr./*No.* 2444.03

Produktbezeichnung: *Product identification*	Lasttrennschalter 3LD Switch Disconnector 3LD

3LD20
3LD21
3LD22
3LD23
3LD24
3LD25
3LD27
3LD28
3LD92

Hersteller: *Manufacturer*	Siemens AG Energy Management, Low Voltage & Products
Anschrift: *Address*	Siemensstraße 10 93055 Regensburg

Die alleinige Verantwortung für die Ausstellung dieser Konformitätserklärung trägt der Hersteller.

Der oben beschriebene Gegenstand der Erklärung erfüllt die einschlägigen Harmonisierungsrechtsvorschriften der Union:

Niederspannungsrichtlinie:

2006/95/EG Richtlinie des Europäischen Parlaments und des Rates vom 12. Dezember 2006 zur Angleichung der Rechtsvorschriften der Mitgliedstaaten betreffend elektrische Betriebsmittel zur Verwendung innerhalb bestimmter Spannungsgrenzen ***(bis 19.04.2016)***

2014/35/EU Richtlinie des Europäischen Parlaments und des Rates vom 26. Februar 2014 zur Harmonisierung der Rechtsvorschriften der Mitgliedstaaten über die Bereitstellung elektrischer Betriebsmittel zur Verwendung innerhalb bestimmter Spannungsgrenzen auf dem Markt; Amtsblatt der EU L96, 29/03/2014, S. 357–374 ***(ab 20.04.2016)***

EMV-Richtlinie:

2004/108/EG Richtlinie des Europäischen Parlaments und des Rates vom 15. Dezember 2004 zur Angleichung der Rechtsvorschriften der Mitgliedstaaten über die elektromagnetische Verträglichkeit ***(bis 19.04.2016)***

2014/30/EU Richtlinie des Europäischen Parlaments und des Rates vom 26. Februar 2014 zur Harmonisierung der Rechtsvorschriften der Mitgliedstaaten über die elektromagnetische Verträglichkeit; Amtsblatt der EU L96, 29/03/2014, S. 79–106 ***(ab 20.04.2016)***

This declaration of conformity is issued under the sole responsibility of the manufacturer.

The object of the declaration described above is in conformity with the relevant Union harmonisation legislation:

Low Voltage Directive:

2006/95/EC *Directive of the European Parliament and of the Council of 12 December 2006 on the harmonisation of the laws of Member States relating to electrical equipment designed for use within certain voltage limits* ***(until 19.04.2016)***

2014/35/EU *Directive of the European Parliament and of the Council of 26 February 2014 on the harmonisation of the laws of the Member States relating to the making available on the market of electrical equipment designed for use within certain voltage limits; Official Journal of the EU L96, 29/03/2014, p. 357–374* ***(from 20.04.2016)***

EMC Directive:

2004/108/EC *Directive of the European Parliament and of the Council of 15 December 2004 on the approximation of the laws of the Member States relating to electromagnetic compatibility* ***(until 19.04.2016)***

2014/30/EU *Directive of the European Parliament and of the Council of 26 February 2014 on the harmonisation of the laws of the Member States relating to electromagnetic compatibility; Official Journal of the EU L96, 29/03/2014, p. 79–106* ***(from 20.04.2016)***

Diese Erklärung bescheinigt die Übereinstimmung mit den genannten Richtlinien, ist jedoch keine Beschaffenheits- oder Haltbarkeitsgarantie. Die Sicherheitshinweise der mitgelieferten Produktdokumentation sind zu beachten.

This declaration is an attestation of conformity with the indicated Directive(s) but does not imply any guarantee of quality or durability. The safety instructions of the accompanying product documentation shall be observed.

Siemens Aktiengesellschaft: Vorsitzender des Aufsichtsrats: Gerhard Cromme; Vorstand: Joe Kaeser, Vorsitzender; Roland Busch, Lisa Davis, Klaus Helmrich, Janina Kugel, Siegfried Russwurm, Ralf P. Thomas;
Sitz der Gesellschaft: Berlin und München, Deutschland; Registergericht: Berlin Charlottenburg, HRB 12300, München, HRB 6684;
WEEE-Reg.-Nr. DE 23691322

SIEMENS

Anbringung der CE-Kennzeichnung / *affixing of the CE-marking*: 2001

Die Übereinstimmung des bezeichneten Produkts mit den Vorschriften der angewandten Richtlinie(n) wird nachgewiesen durch die vollständige Einhaltung folgender Normen / Vorschriften:

The conformity of the product described above with the provisions of the applied Directive(s) is demonstrated by full compliance with the following standards / regulations:

Harmonisierte Normen, sonstige technische Normen, Spezifikationen / *Harmonised standards, other technical standards, specifications*:

Referenznummer *Reference number*	Ausgabedatum *Date of issue*	Referenznummer *Reference number*	Ausgabedatum *Date of issue*
DIN EN 60 947-1	2015	IEC 60 947-1	2007
DIN EN 60 947-3	2012	IEC 60 947-1 AMD 1	2010
DIN EN 60 947-5-1	2010	IEC 60 947-1 AMD 2	2014
		IEC 60 947-3	2008
		IEC 60 947-3 AMD 1	2012
		IEC 60 947-5-1	2003
		IEC 60 947-5-1 AMD 1	2009

Unterzeichnet für und im Namen von:/ *Signed for and on behalf of*:

Siemens Aktiengesellschaft

Regensburg, den / the 2016-05-02
Ort / *place* Datum der Ausstellung / *Date of issue*

Burkhardt, EM LP PMI
Name, Funktion / *name, function* Unterschrift / *signature*

Birkl, EM LP QM
Name, Funktion / *name, function* Unterschrift / *signature*

Diese Erklärung bescheinigt die Übereinstimmung mit den genannten Richtlinien, ist jedoch keine Beschaffenheits- oder Haltbarkeitsgarantie. Die Sicherheitshinweise der mitgelieferten Produktdokumentation sind zu beachten.

This declaration is an attestation of conformity with the indicated Directive(s) but does not imply any guarantee of quality or durability. The safety instructions of the accompanying product documentation shall be observed.

Siemens Aktiengesellschaft: Vorsitzender des Aufsichtsrats: Gerhard Cromme; Vorstand: Joe Kaeser, Vorsitzender;
Roland Busch, Lisa Davis, Klaus Helmrich, Janina Kugel, Siegfried Russwurm, Ralf P. Thomas;
Sitz der Gesellschaft: Berlin und München, Deutschland; Registergericht: Berlin Charlottenburg, HRB 12300, München, HRB 6684;
WEEE-Reg.-Nr. DE 23691322

SIEMENS

Prüf-Nr./Q-Nr.: *Certificate No.:* **2462a**

Dienststelle: *Department:* **I BT LV GC R&D TC Weiss**

Ort: *Place:* **Amberg** Tag: *Date:* **2010-03-11**

Anlagen: *Enclosures:* Test Summary

Prüfbescheinigung / *Test - Certificate*

Erzeugnis / *Product:* **Switch disconnector**

Typ: *Type:* **3LD20**

Tech. Daten: *Specification:* **U_i=690 V / I_{th}=16 A**
Ie AC3=16A/400V
Ie AC23=16A/400V

Hersteller: *Manufacturer:* **Sontheimer**

Art der Prüfung / *Type of test:* **Type Test**

Prüfer / *Tested by:* **Mr. Prechtl-Schöpf**

Labor / *Laboratory:* **ALPHA registered**
Testing Laboratory D 006
Siemens AG, Amberg

Angewandte Prüfbestimmungen / *Test specifications applied:*
IEC 60947-3: (08/2008) / IEC 60947-1 (06/2007)
DIN EN 60947-3: (02/2010) / DIN EN 60947-1: (04/2008)

Durchgeführte Prüfungen / *Tests conducted:*
Test Sequences IEC 60947-3 I, II, III, IV / IEC 60947-1 (8.2.4) / IEC 60947-1 (8.2.1.1.1)

Prüfergebnis / *Test results:*
All requirements of the test specification are met.

Bemerkungen / *Remarks:*
Issued: 2001-01-11
This test certificate is valid for all variations of type 3LD20
Index a: Standards updated, plastic material requirements are met

Unterschrift / *Signature*

i.V.
I BT LV GC R&D MA Wilhelm

Gegengezeichnet / *Released by:*

i.V.
I BT LV QM Lösche

SIEMENS

Test summary

Certificate no.: 2462a

Manufacturer: ***Sontheimer Nürnberg***

Test device: ***Switch disconnector***

Type: ***3LD20***

Test specification: ***IEC 60947-3 (08-2008) / IEC 60947-1 (06/2007)***

Test report No.: ***LOVAG 00002TSL / 2462a-01***

Test-sequence and sub-clause	**Test**	**Device**
IEC 60947-3 Test-sequence I 8.3.3.1 8.3.3.2 8.3.3.3 8.3.3.4 8.3.3.5 8.3.3.6 8.3.3.7	 Temperature-rise Dielectric properties Making and breaking capacities Dielectric verification Leakage current Temperature-rise verification Strength of actuator mechanism	 see test report: LOVAG 00002TSL
Test-sequence II 8.3.4.1 8.3.4.2 8.3.4.3 8.3.4.4	 Operational performance Dielectric verification Leakage current Temperature-rise verification	 see test report: LOVAG 00002TSL
Test-sequence III 8.3.5.1 8.3.5.2 8.3.5.3 8.3.5.4 8.3.5.5	 Short-time withstand current test Short-circuit making capacity test Dielectric verification Leakage current Temperature-rise verification	 see test report: LOVAG 00002TSL
Test-sequence IV 8.3.6 8.3.6.2.1a) 8.3.6.2.1b) 8.3.6.3 8.3.6.4 8.3.6.5	Conditional short-circuit current Fuse protected short-circuit withstand Fuse protected short-circuit making Dielectric verification Leakage current Temperature-rise verification	see test report: LOVAG 00002TSL
IEC 60947-1 8.2.4	 Mechanical properties of terminals	 see test report: LOVAG 00002TSL
IEC 60947-1 8.2.1.1.1	 Glow Wire test	 see test report: 2462a-01

The tests were carried out on devices, representative for the whole series.
The tests were carried out in the

Prüflaboratorium der Siemens AG I IA CE Amberg
Werner-von-Siemens-Str. 48, 92220 Amberg
Accredited-No.: ***DAT-P-026/92-03***

Amberg 2010-03-15
Location, Date

M. Soukup
Signature
Authorized representative
Soukup

Schreckinger
Reviewed
Laboratory manager
Schreckinger

CSA INTERNATIONAL

Certificate of Compliance

Certificate: 2267410 **Master Contract:** 249236

Project: 2267410 **Date Issued:** February 11, 2010

Issued to: **Siemens AG**
Installationstechnik-Abt Q M
Siemensstrasse 10
Regensburg, 93055
GERMANY

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only

C US

Issued by: Carole Lemay

PRODUCTS

CLASS 3211 05 - INDUSTRIAL CONTROL EQUIPMENT Motor Controllers – Manual
CLASS 3211 85 - INDUSTRIAL CONTROL EQUIPMENT Motor Controllers - Manual - Certified to US Standards

- Manual Motor Controller, suitable for motor disconnect, open type, for flush mounting, single pole or multipole, for change-over, reversing,
  speed-control and similar applications
  3LD2003, 3LD2013, 3LD2015, 3LD2017, 3LD2022, 3LD2030, 3LD2044, 3LD2050, 3LD2054, 3LD2064, 16 A 600 Vac, 3-phase, 0.5 hp 120Vac, 1-ph, 1.5 hp 240 Vac 1-phase; 1 hp 120Vac, 3 hp 200Vac, 3hp 208Vac, 3hp 240 Vac,
  7.5 hp 480Vac, 10 hp 600 Vac 3-phase;
  3LD2103, 3LD2110, 3LD2113, 3LD2115, 3LD2122, 3LD2123, 3LD2130, 3LD2144, 3LD2148, 3LD2150, 3LD2154, 3LD2164, 3LD2165, 25 A 600 Vac, 2 hp 120 Vac 1-ph, 3 hp 240 Vac 1-phase, 3 hp 120 Vac, 5 hp 200Vac, 5 hp 208Vac, 7.5 hp 240Vac,
  10 hp 480 Vac, 15 hp 600 Vac 3-phase;
  3LD2203, 3LD2210, 3LD2213, 3LD2215, 3LD2217, 3LD2222, 3LD2223, 3LD2230, 3LD2244, 3LD2248, 3LD2250, 3LD2254, 3LD2264, 3LD2265, 32 A 600 Vac, 2 hp 120 Vac 1-ph, 3 hp 240 Vac 1-phase, 7.5 hp 200Vac, 7.5 hp 208Vac, 10 hp 240 Vac, 20 hp 480 Vac, 20 hp

600 Vac 3-phase;
3LD2510, 3LD2513, 3LD2514, 3LD2515, 3LD2517, 3LD2524, 3LD2530, 3LD2544, 3LD2545, 3LD2548, 3LD2555, 3LD2565, 3LD2566, 63 A 600 Vac, 10 hp 240 Vac, 1-phase, 15 hp 200Vac, 15 hp 208Vac,15 hp 240Vac, 40 hp 480 Vac,
50 hp 600 Vac 3-phase;
3LD2704, 3LD2714, 3LD2716, 3LD2724, 3LD2730, 3LD2744, 3LD2748, 3LD2765, 3LD2766, 100 A 600 Vac, 25 hp 200Vac, 25 hp 208Vac, 30 hp 240 Vac, 60 hp 480 Vac, 75 hp 600 Vac 3-phase;
3LD2804, 3LD2810, 3LD2814, 3LD2816, 3LD2830, 3LD2848, 3LD2865, 3LD2866, 125 A 600 Vac, 30 hp 200Vac, 30 hp 208Vac, 40 hp 240 Vac, 75 hp 480 Vac, 100 hp 600 Vac 3-phase.

3LD2305, 3LD2318, 3LD2330, 160A, 600 Vac, 40 hp 240Vac, 75 hp 480 Vac, 50 hp 600 Vac 3-phase.
LD2405, 3LD2418, 3LD2430, 3LD2504, 250 A 600 Vac, 50 hp 240Vac, 100 hp 480 Vac, 75 hp 600 Vac 3-phase.

The devices may be provided with the following options.
Grounding terminal Cat. No. 3LD9200.
Additional Terminal Cover Cat. No. 3LD9201, 3LD9221, 3LD9241, 3LD9251, 3LD9281.
Fourth Pole Cat. No. 3LD9220, 3LD9240, 3LD9250, 3LD9280.
Additional Snamp on Front Plate Cat. No. 3LD9286
Auxiliary Switch Block Cat. No. 3LD92x0-5, rated A600, P300
Locable handles Cat. No. 3LD9224x

Notes:
1. The basic types designation is completed with letters and figures indicating the switching combination, type of front plate and type of handle etc..
2. The devices are certified for use in other equipment where the acceptability of the combination is to be determined by CSA INTERNATIONAL.
3. These are 3-pole or 4-pole open type manual motor controllers intended as a disconnecting means for a motor, motor starter or motor controller of a single motor or group of motors.

MARKINGS

Listee's name and/or CSA file number 249236 model designation, complete electrical rating in volts, hertz, hp, amps, serial number or date coding, and the CSA Mark appear in a permanent manner on each unit.

The cCSAus monogram may appear next to the CSA Mark

VDE Prüf- und Zertifizierungsinstitut

ZEICHENGENEHMIGUNG
MARKS APPROVAL

Siemens AG
Low Voltage
Siemensstraße 10
93055 Regensburg

ist berechtigt, für ihr Produkt /
is authorized to use for their product

Lasttrennschalter
Switch-disconnector
3LD2...

die hier abgebildeten markenrechtlich geschützten Zeichen
für die ab Blatt 2 aufgeführten Typen zu benutzen /
the legally protected Marks as shown below for the types referred to on page 2 ff.

Geprüft und zertifiziert nach /
Tested and certified according to

DIN EN 60947-1 (VDE 0660-100):2015-09; EN 60947-1:2007/A1:2011/A2:2014
DIN EN 60947-3 (VDE 0660 Teil 107):2017-02; EN 60947-3:2009/A1:2012/A2:2015

Aktenzeichen: 40017-4402-0187 / 236546
File ref.:

VDE Prüf- und Zertifizierungsinstitut GmbH
VDE Testing and Certification Institute
Zertifizierungsstelle / *Certification*

Ausweis-Nr. 40041208 Blatt 1
Certificate No. *Page*

Weitere Bedingungen siehe Rückseite und Folgeblätter /
further conditions see overleaf and following pages

Offenbach, 2014-11-27
(letzte Änderung / updated 2017-05-08)

J. Richter

VDE Zertifikate sind nur gültig bei Veröffentlichung unter:
VDE certificates are valid only when published on:
http://www.vde.com/zertifikat
http://www.vde.com/certificate

VDE

Name und Sitz des Genehmigungs-Inhabers / *Name and registered seat of the Certificate holder*
Siemens AG Low Voltage, Siemensstraße 10, 93055 Regensburg

Aktenzeichen / *File ref.*
40017-4402-0187 / 236546 / CC2 / KOH

letzte Änderung / *updated*
2017-05-08

Datum / *Date*
2014-11-27

Dieses Blatt gilt nur in Verbindung mit Blatt 1 des Zeichengenehmigungsausweises Nr. 40041208.
This supplement is only valid in conjunction with page 1 of the Certificate No. 40041208.

Lasttrennschalter
Switch-disconnector
3LD2...

Typ(en) / *Type(s)*

3LD20..-.....
3LD21..-.....
3LD22..-.....
3LD25..-.....
3LD27..-.....
3LD28..-.....

Bemessungsbetriebsspannung (Ue) *Rated operating voltage (Ue)*	400 / 690V a.c
Konventioneller thermischer Strom (Ith) *Conventional thermal current (Ith)*	3LD20: 16A 3LD21: 25A 3LD22: 32A 3LD25: 63A 3LD27: 100A 3LD28: 125A
Gebrauchskategorie *Utilization category*	AC-21 / AC-23 / AC-3
Bemessungsbetriebsstrom (Ie) *Rated operating current (Ie)*	3LD20: 400V: 16A (AC-21A; AC23A; AC-3) 690V: 16A (AC-21A); 12A (AC-23A); 9A (AC-3) 3LD21: 400V: 25A (AC-21A); 18A (AC-23A); 16A (AC-3) 690V: 25A (AC-21A); 11A (AC-23A); 9A (AC-3) 3LD22: 400V: 32A (AC-21A); 23A (AC-23A); 20A (AC-3) 690V: 32A (AC-21A); 13,5A (AC-23A); 11,5A (AC-3) 3LD25: 400V: 63A (AC-21A); 43A (AC-23A); 43A (AC-3) 690V: 58A (AC-21A); 22A (AC-23A); 22A (AC-3) 3LD27: 400V: 100A (AC-21A); 66A (AC-23A); 55A (AC-3) 690V: 100A (AC-21A); 32A (AC-23A); 24A (AC-3) 3LD28: 400V: 125A (AC-21A); 80A (AC-23A); 66A (AC-3) 690V: 125A (AC-21A); 39A (AC-23A); 32A (AC-3)
Polzahl *Number of poles*	3/4

Fortsetzung siehe Blatt 3 /
continued on page 3

VDE Prüf- und Zertifizierungsinstitut
Zeichengenehmigung

Name und Sitz des Genehmigungs-Inhabers / *Name and registered seat of the Certificate holder*
Siemens AG Low Voltage, Siemensstraße 10, 93055 Regensburg

Aktenzeichen / *File ref.*	letzte Änderung / *updated*	Datum / *Date*
40017-4402-0187 / 236546 / CC2 / KOH	2017-05-08	2014-11-27

Dieses Blatt gilt nur in Verbindung mit Blatt 1 des Zeichengenehmigungsausweises Nr. 40041208.
This supplement is only valid in conjunction with page 1 of the Certificate No. 40041208.

Bedingter Bemessungskurzschlussstrom *Rated conditional short circuit current*	3LD20: 50 kA 3LD21: 50 kA 3LD22: 50 kA 3LD25: 15 kA 3LD27: 20 kA 3LD28: 20 kA
Bemessungsstoßspann. Festigkeit (Uimp) *Rated impuls withstand voltage (Uimp)*	6 kV
Bemessungsisolationsspannung (Ui) *Rated insulation voltage (Ui)*	690 V
Bemessungsbetriebsart *Rated duty*	Dauerbetrieb *uninterrupted duty*
Umgebungstemperatur *Ambient temperature*	-5 ... +40 °C
Zubehör *Accessories*	Hilfsstromschalter Typ 3LD9200-5.. gemäß DIN EN 60947-5-1 (VDE 0660 Teil 200):2010-04; EN 60947-5-1:2004+A1:2009 mit einer separaten VDE-Zeichengenehmigung *Auxiliary switches Type 3LD9200-5.. according DIN EN 60947-5-1 (VDE 0660 Teil 200):2010-04; EN 60947-5-1:2004+A1:2009 with a separate VDE Marks Approval*
Anmerkung *Remark*	Die mit "..." gekennzeichneten Stellen sind freigehalten zum Einfügen der Angabe der Ausführungsform gemäß Hersteller-Typenschlüssel, welcher in der Anlage zu dieser Zeichengenehmigung erläutert ist. *Positions marked as "..." are kept free for insertion according to the manufactorer's type designation code which is explained in the enclosure to this Marks Approval.*
Anlage *Appendix*	101A, 102A, 103A, 104A vom/from 2017-05-08 101B, 102B, 103B, 104B vom/from 2017-05-08

VDE Prüf- und Zertifizierungsinstitut GmbH
VDE Testing and Certification Institute
Fachgebiet CC2
Section CC2

Merianstrasse 28, D-63069 Offenbach
Telefon +49 (0) 69 83 06-0
Telefax +49 (0) 69 83 06-555

CERTIFICATE OF COMPLIANCE

Certificate Number	20141120-E302554
Report Reference	E302554-20020828
Issue Date	2014-NOVEMBER-20
Issued to:	SIEMENS AG LOW VOLTAGE SIEMENSSTRASSE 10 93055 REGENSBURG, GERMANY
This is to certify that representative samples of	Motor Controllers, Manual See following pages for list of models
	Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.
Standard(s) for Safety:	UL508 and CSA-C22.2 No. 14, Standard for Industrial Control Equipment
Additional Information:	See the UL Online Certifications Directory at www.ul.com/database for additional information

Only those products bearing the UL Listing Mark for the US and Canada should be considered as being covered by UL's Listing and Follow-Up Service meeting the appropriate requirements for US and Canada.
The UL Listing Mark for the US and Canada generally includes: the UL in a circle symbol with “C” and “US” identifiers: c UL us the word “LISTED”; a control number (may be alphanumeric) assigned by UL; and the product category name (product identifier) as indicated in the appropriate UL Directory.

Look for the UL Listing Mark on the product.

William R. Carney

William R. Carney, Director, North American Certification Programs

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at www.ul.com/contactus

CERTIFICATE OF COMPLIANCE

Certificate Number	20141120-E302554
Report Reference	E302554-20020828
Issue Date	2014-NOVEMBER-20

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

Manual motor controllers:
3LD2003-0TK51, 3LD2003-1TL51, 3LD2003-0TK53, 3LD2003-1TL53, 3LD2003-1TP51, 3LD2003-1TP53, 3LD2003-2EP51, 3LD2003-2EP53, 3LD2013-0TK51, 3LD2013-0TK53, 3LD2013-1TL51, 3LD2013-1TL53, 3LD2015-0TK51, 3LD2015-0TK51-0AA6, 3LD2015-0TK53, 3LD2015-0TK53-0AA6, 3LD2015-0TK53-0AA7, 3LD2015-1TL53-0AA6, 3LD2015-1TL53-0AC6, 3LD2017-0TK11, 3LD2017-0TK13, 3LD2017-1TL11, 3LD2017-1TL13, 3LD2022-0TK11, 3LD2022-0TK13, 3LD2022-1TL11, 3LD2022-1TL13, 3LD2030-0TK11, 3LD2030-0TK13, 3LD2030-1TL11, 3LD2030-1TL13, 3LD2044-0TK51, 3LD2044-0TK51-0AB7, 3LD2044-0TK53, 3LD2044-1TL51, 3LD2044-1TL53, 3LD2050-0TK11, 3LD2050-0TK13, 3LD2050-1TL11, 3LD2050-1TL13, 3LD2054-0TK51, 3LD2054-0TK53, 3LD2054-1TL51, 3LD2054-1TL53, 3LD2054-1TP51, 3LD2054-1TP53, 3LD2054-2EP51, 3LD2054-2EP53, 3LD2064-0TB51, 3LD2064-0TB51-0US2, 3LD2064-0TB53, 3LD2064-0TB53-0US2, 3LD2064-1GP51, 3LD2064-1GP51-0US2, 3LD2064-1GP53, 3LD2064-1GP53-0US2, 3LD2064-1TC51, 3LD2064-1TC53, 3LD2103-0TK51, 3LD2103-0TK53, 3LD2103-1TL51, 3LD2103-1TL53, 3LD2103-1TP51, 3LD2103-1TP53, 3LD2103-2EP51, 3LD2103-2EP53, 3LD2103-2TB53, 3LD2103-3VK51, 3LD2103-3VK53, 3LD2103-4VP51, 3LD2103-4VP53, 3LD2110-0TK00-0AC5, 3LD2110-0TK05, 3LD2110-2TB53-0AE3, 3LD2113-0TK51, 3LD2113-0TK53, 3LD2113-1TL51, 3LD2113-1TL53, 3LD2113-3VK51, 3LD2113-3VK53, 3LD2113-4VP51, 3LD2113-4VP53, 3LD2115-0TK51, 3LD2115-0TK53, 3LD2115-0TK53-0AA6, 3LD2115-0TK53-0AA7, 3LD2115-0TK53-0AB0, 3LD2122-0TK11, 3LD2122-0TK11-0AE1, 3LD2122-0TK13, 3LD2122-1TL11, 3LD2122-1TL13, 3LD2122-3VK11, 3LD2122-3VK13, 3LD2123-7UK01, 3LD2130-0TK11, 3LD2130-0TK11-0AF5, 3LD2130-0TK13, 3LD2130-0TK13-0AC1, 3LD2130-2EQ13-0AC1, 3LD2130-2TY13-0AC1, 3LD2144-0TK51, 3LD2144-0TK53, 3LD2144-1TL51, 3LD2144-1TL53, 3LD2148-0TK51, 3LD2148-0TK53, 3LD2150-0TK11, 3LD2150-0TK13, 3LD2154-0TK51, 3LD2154-0TK53, 3LD2154-1TL51, 3LD2154-1TL53, 3LD2154-1TP51, 3LD2154-1TP53, 3LD2154-2EP51, 3LD2154-2EP53, 3LD2164-0TB51, 3LD2164-0TB51-0US2, 3LD2164-0TB53, 3LD2164-0TB53-0US2, 3LD2164-1GP51, 3LD2164-1GP51-0US2, 3LD2164-1GP53, 3LD2164-1GP53-0US2, 3LD2164-1GS51, 3LD2164-1GS51-0AC3, 3LD2164-1TC51, 3LD2164-1TC53,

William R. Carney

William R. Carney, Director, North American Certification Programs

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at www.ul.com/contactus

CERTIFICATE OF COMPLIANCE

Certificate Number	20141120-E302554
Report Reference	E302554-20020828
Issue Date	2014-NOVEMBER-20

3LD2164-2TC53-0AC4, 3LD2164-2TD51-0AE2, 3LD2164-2TD53-0AE2, 3LD2165-3VB51, 3LD2165-3VB53, 3LD2165-4VD51, 3LD2165-4VD53, 3LD2165-5VD51-0AE2, 3LD2165-7UB01, 3LD2203-0TK51, 3LD2203-0TK51-0AB8, 3LD2203-0TK51-0AC2, 3LD2203-0TK53, 3LD2203-1TL51, 3LD2203-1TL53, 3LD2203-1TP51, 3LD2203-1TP53, 3LD2203-3VK51, 3LD2203-3VK53, 3LD2210-0TK00-0AB6, 3LD2210-0TK00-0AF1, 3LD2210-0TK05, 3LD2210-2TB53-0AE3, 3LD2213-0TK51, 3LD2213-0TK53, 3LD2213-1TL51, 3LD2213-1TL53, 3LD2215-0TK51, 3LD2215-0TK53, 3LD2217-0TK11, 3LD2217-0TK13, 3LD2217-1TL11, 3LD2217-1TL13, 3LD2222-0TK11, 3LD2222-0TK13, 3LD2223-7UK01, 3LD2223-7UL01-0AD8, 3LD2230-0TK11, 3LD2230-0TK11-0AD7, 3LD2230-0TK13, 3LD2230-2EQ13-0AC1, 3LD2244-0TK51, 3LD2244-0TK53, 3LD2244-1TL51, 3LD2244-1TL53, 3LD2248-0TK51, 3LD2248-0TK51-0AD7, 3LD2248-0TK53, 3LD2248-0TK53-0AD7, 3LD2250-0TK11, 3LD2250-0TK13, 3LD2254-0TK51, 3LD2254-0TK53, 3LD2254-0TK53-0AD7, 3LD2254-1TL51, 3LD2254-1TL53, 3LD2254-1TP00-0AE8, 3LD2264-0TB51, 3LD2264-0TB51-0US2, 3LD2264-0TB53, 3LD2264-0TB53-0US2, 3LD2264-1GP51, 3LD2264-1GP51-0US2, 3LD2264-1GP53, 3LD2264-1GP53-0US2, 3LD2264-1TC51, 3LD2264-1TC53, 3LD2264-1TS51-0US2, 3LD2264-1TS53-0US2, 3LD2264-2ES51-0AD6, 3LD2264-2TD51-0AE2, 3LD2264-2TV51, 3LD2264-2TW51-0US2, 3LD2264-2TW53-0US2, 3LD2264-2TX51-0US2, 3LD2264-2TX53-0US2, 3LD2265-3VB51, 3LD2265-3VB53, 3LD2265-4VD51, 3LD2265-4VD53, 3LD2265-5VD51-0AE2, 3LD2265-7UB01, 3LD2265-7UL01-0AD8, 3LD2265-7UL01-0AE5, 3LD2305-0TK11, 3LD2305-0TK13, 3LD2305-1TL11, 3LD2305-1TL13, 3LD2305-3VK11, 3LD2305-3VK13, 3LD2305-7UK01, 3LD2305-7UL01, 3LD2318-0TK11, 3LD2318-0TK13, 3LD2318-1TL11, 3LD2318-1TL13, 3LD2318-3VK11, 3LD2318-3VK13, 3LD2318-7UK01, 3LD2318-7UL01, 3LD2330-0TK11, 3LD2330-0TK13, 3LD2405-0TK11, 3LD2405-0TK13, 3LD2405-1TL11, 3LD2405-1TL13, 3LD2405-3VK11, 3LD2405-3VK13, 3LD2405-7UK01, 3LD2405-7UL01, 3LD2418-0TK11, 3LD2418-0TK13, 3LD2418-1TL11, 3LD2418-1TL13, 3LD2418-3VK11, 3LD2418-3VK13, 3LD2418-7UK01, 3LD2418-7UL01, 3LD2430-0TK11, 3LD2430-0TK13, 3LD2504-0TK51, 3LD2504-0TK53, 3LD2504-0TK53-0AD7, 3LD2504-1TL51, 3LD2504-1TL53, 3LD2504-1TP51, 3LD2504-1TP53, 3LD2504-2TB53, 3LD2504-2TC53, 3LD2504-3VK51, 3LD2504-3VK53, 3LD2510-0TK05, 3LD2513-0TK53, 3LD2514-0TK51, 3LD2514-0TK53, 3LD2514-1TL51, 3LD2514-1TL53, 3LD2515-0TK51, 3LD2515-0TK53, 3LD2517-0TK11, 3LD2517-0TK13, 3LD2517-1TL11, 3LD2517-1TL13,

William R. Carney

William R. Carney, Director, North American Certification Programs

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at www.ul.com/contactus

CERTIFICATE OF COMPLIANCE

Certificate Number	20141120-E302554
Report Reference	E302554-20020828
Issue Date	2014-NOVEMBER-20

3LD2524-7UK01, 3LD2524-7UL01-0AD8, 3LD2530-0TK01-0AB5, 3LD2530-0TK11, 3LD2530-0TK13, 3LD2544-0TK53, 3LD2545-0TK51, 3LD2545-0TK53, 3LD2545-1TL53, 3LD2548-0TK51, 3LD2548-0TK53, 3LD2548-0TK53-0AB3, 3LD2555-0TK51, 3LD2555-0TK53, 3LD2555-1TP00-0AE8, 3LD2565-0TB51, 3LD2565-0TB51-0US2, 3LD2565-0TB53, 3LD2565-0TB53-0US2, 3LD2565-1GP51, 3LD2565-1GP51-0US2, 3LD2565-1GP53, 3LD2565-1GP53-0US2, 3LD2565-1TC51, 3LD2565-1TC53, 3LD2565-2TB53-0AB1, 3LD2565-2TC53-0AB1, 3LD2565-2TC53-0AC4, 3LD2565-2TD51-0AE2, 3LD2565-2TD53-0AE2, 3LD2566-3VB51, 3LD2566-3VB53, 3LD2566-4VD51, 3LD2566-4VD53, 3LD2566-5VD51-0AE2, 3LD2566-7UB01, 3LD2704-0TK51, 3LD2704-0TK53, 3LD2704-1TL53, 3LD2704-1TP51, 3LD2704-1TP53, 3LD2704-2TC53, 3LD2714-0TK51, 3LD2714-0TK53, 3LD2716-0TK51, 3LD2716-0TK53, 3LD2724-7UK01, 3LD2730-0TK11, 3LD2730-0TK13, 3LD2744-0TK53, 3LD2748-0TK51, 3LD2748-0TK53, 3LD2765-2TB53-0AB1, 3LD2765-2TC53-0AB1, 3LD2766-0TB51, 3LD2766-0TB51-0US2, 3LD2766-0TB53, 3LD2766-0TB53-0US2, 3LD2766-1GP51, 3LD2766-1GP51-0US2, 3LD2766-1GP53, 3LD2766-1GP53-0US2, 3LD2766-2TD51-0AE2, 3LD2766-5VD51-0AE2, 3LD2766-7UB01, 3LD2804-0TK51, 3LD2804-0TK53, 3LD2804-1TL53, 3LD2804-1TP51, 3LD2804-1TP53, 3LD2810-0TK05, 3LD2814-0TK51, 3LD2814-0TK53, 3LD2816-0TK53, 3LD2830-0TK11, 3LD2830-0TK13, 3LD2848-0TK51, 3LD2848-0TK53, 3LD2865-2TB53-0AB1, 3LD2865-2TC53-0AB1, 3LD2866-0TB51, 3LD2866-0TB51-0US2, 3LD2866-0TB53, 3LD2866-0TB53-0US2, 3LD2866-1GP51, 3LD2866-1GP51-0US2, 3LD2866-1GP53, 3LD2866-1GP53-0US2, 3LD7200-0TK11 3LD7210-0TK11, 3LD7220-0TK11, 3LD7230-0TK11, 3LD7240-0TK11, 3LD7250-0TK11, 3LD7260-0TK11, 3LD7270-0TK11, 3LD7200-0TK13, 3LD7210-0TK13, 3LD7220-0TK13, 3LD7230-0TK13, 3LD7240-0TK13, 3LD7250-0TK13, 3LD7260-0TK13, 3LD7270-0TK13, 3LD7201-0TK11, 3LD7211-0TK11, 3LD7221-0TK11, 3LD7231-0TK11, 3LD7241-0TK11, 3LD7201-0TK13, 3LD7211-0TK13, 3LD7221-0TK13, 3LD7231-0TK13, 3LD7241-0TK13, 3LD7931-0A, 3LD7951-0A, 3LD7931-2A, 3LD7951-2A, 3LD7971-2A, 3LD9242-4F, 3LD9200-6C, 3LD9200-6CB, 3LD9200-6CC, 3LD2816-0TK53-0AG1, 3LD2504-1TD51, 3LD2804-1TD51



William R. Carney, Director, North American Certification Programs

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at www.ul.com/contactus

CERTIFICATE OF COMPLIANCE

Certificate Number	20141120-E302554
Report Reference	E302554-20020828
Issue Date	2014-NOVEMBER-20

Accessory device for LT Series, Terminals:
3LD9200-2B, 3LD9200-2C, 3LD9220-2B, 3LD9220-2C, 3LD9240-2B, 3LD9240-2C, 3LD9250-2BA, 3LD9250-2CA, 3LD9280-2B, 3LD9280-2C

Accessory device for LT Series, Auxiliary Contacts:
3LD9200-5B, 3LD9200-5BB, 3LD9200-5BF, 3LD9200-5C, 3LD9200-5CB, 3LD9200-5CF, 3LD7900-5B, 3LD7900-5C, 3LD7930-0B, 3LD7950-0B, 3LD7930-2B, 3LD7950-2B, 3LD7930-0C, 3LD7950-0C, 3LD7970-0C, 3LD7930-2C, 3LD7950-2C, 3LD7970-2C

Terminal Covers:
3LD9201-1A, 3LD9201-2A, 3LD9221-0A, 3LD9221-2A, 3LD9241-2A, 3LD9251-0A 3LD9251-2A, 3LD9281-2A

Accessory device for LT Series, Switched Fourth poles:
3LD9220-0B, 3LD9220-0C, 3LD9240-0B, 3LD9240-0C, 3LD9250-0BA, 3LD9250-0CA, 3LD9280-0B, 3LD9280-0C

Auxiliary Switch Block:
3LD9220-3B, 3LD9220-3C, 3LD9220-4B, 3LD9220-4C, 3LD9220-5B, 3LD9220-5BE, 3LD9220-5C, 3LD9280-3B, 3LD9280-3C, 3LD9280-4B, 3LD9280-4C, 3LD9280-5B, 3LD9280-5C, 3LD9220-3BF

Auxiliary Switch Block Cat:
3LD9250-3B, 3LD9250-3C, 3LD9250-4B, 3LD9250-4C, 3LD9250-5B, 3LD9250-5C

Lettering plates:
3LD9286-1A, 3LD9286-4A

William R. Carney

William R. Carney, Director, North American Certification Programs

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at www.ul.com/contactus

TYPE APPROVAL CERTIFICATE

Certificate No:
TAE00000F2
Revision No:
1

This is to certify:

That the Disconnection Switch

with type designation(s)
Main- and Emergency Stop Switches of type 3LD2 as listed in the certificate

Issued to
Siemens AG Low Voltage
REGENSBURG, Germany

is found to comply with
DNV GL rules for classification – Ships and offshore units

Application :

Main- and Emergency (On-load) Stop Switches for installation onboard ships and offshore units

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.

This Certificate is valid until **2021-05-12**.
Issued at **Hamburg** on **2016-05-13**

for **DNV GL**

DNV GL local station: **Augsburg**

Approval Engineer: **Harald Amberger**

Duy Nam Le
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

© DNV GL 2014. DNV GL and the Horizon Graphic are trademarks of DNV GL AS.

Place of manufacturer

DNV GL customer no.: 110652

Product description

Main- and Emergency (switch disconnectors) Stop Switches for installation inside switchboards / enclosures onboard ships and mobile offshore units of type 3LD2... as specified in the tables below.

Technical data, main contacts:

Protection class:	IP20
Operational voltage, U_e	690 V
Insulation voltage, U_i	690 V
Lightning impulse voltage Uimp	6 kV

Technical data, aux contacts:

Protection class:	IP20
Operational voltage, U_e	500 V
Insulation voltage, U_i	500 V
Conventional free air thermal current, I_{th}	10 A

Current / power rating, main contacts:

Type	Utilisation Category	Thermal Current	Operational Current I_e and power kW Rating at Operational Voltage U_e			
			400V	400V	690V	690V
		Ith	Ie	kW	Ie	kW
3LD20	AC3	16	11,5	5,5	6,7	5,5
	AC23A	16	15,5	7,5	8,9	7,5
3LD21	AC3	25	16	7,5	9,5	7,5
3LD22	AC3	32	20	9,5	11,5	9,5
3LD25	AC3	63	36	18,5	17,5	15
3LD27	AC3	100	53	30	25,5	22
	AC23A	100	70	37	34	30
3LD28	AC3	125	70	37	35	30
	AC23A	125	84	45	41	37

Current (A)	Type designations		Current (A)	Type designations	
16	3LD2022-0TK11	Panel mounted switch with handle and padlocking device	16	3LD2050-0TK11	Central mounted switch with handle and padlocking device
16	3LD2022-0TK13		16	3LD2050-0TK13	
25	3LD2122-0TK11		25	3LD2150-0TK11	
25	3LD2122-0TK13		25	3LD2150-0TK13	
32	3LD2222-0TK11		32	3LD2250-0TK11	
32	3LD2222-0TK13		32	3LD2250-0TK13	
16	3LD2003-0TK51	Panel mounted detachable rotary actuator and padlocking device	16	3LD2003-1TL51	Panel mounted detachable rotary actuator and padlocking device
16	3LD2003-0TK53		16	3LD2003-1TL53	
25	3LD2103-0TK51		25	3LD2103-1TL51	
25	3LD2103-0TK53		25	3LD2103-1TL53	
32	3LD2203-0TK51		32	3LD2203-1TL51	
32	3LD2203-0TK53		32	3LD2203-1TL53	

Current	Type designations		Current	Type designations	
16	3LD2003-1TP51	Panel mounted detachable rotary actuator and padlocking device and auxiliary changeover contacts	16	3LD2103-1EP51	Panel mounted detachable rotary actuator and padlocking device and auxiliary changeover contacts
16	3LD2003-1TP53		16	3LD2103-1EP53	
	-			-	
	-			-	
25	3LD2103-1TP51		25	3LD2103-2EP51	
25	3LD2103-1TP53		25	3LD2103-2EP53	
16	3LD2054-0TK51	Central mounted detachable rotary actuator and padlocking device	16	3LD2154-1TL51	Central mounted detachable rotary actuator and padlocking device
16	3LD2054-0TK53		16	3LD2154-1TL53	
25	3LD2154-0TK51		25	3LD2154-1TL51	
25	3LD2154-0TK53		25	3LD2154-1TL53	
32	3LD2254-0TK51		32	3LD2254-1TL51	
32	3LD2254-0TK53		32	3LD2254-1TL53	
16	3LD2054-1TK51	Central mounted detachable rotary actuator and padlocking device auxiliary changeover contacts	16	3LD2054-2EP51	Central mounted detachable rotary actuator and padlocking device auxiliary changeover contacts
16	3LD2054-1TK53		16	3LD2054-2EP53	
	-			-	
	-			-	
25	3LD2154-1TK51		25	3LD2154-2EP51	
25	3LD2154-1TK53		25	3LD2154-2EP53	
16	3LD2013-0TK51	Base mounted detachable rotary actuator and padlocking device and door coupling with interlock	16	3LD2013-1TL51	Base mounted detachable rotary actuator and padlocking device and door coupling with interlock
16	3LD2013-0TK53		16	3LD2013-1TL53	
25	3LD2113-0TK51		25	3LD2113-1TL51	
25	3LD2113-0TK53		25	3LD2113-1TL53	
32	3LD2213-0TK51			-	
32	3LD2213-0TK53		32	3LD2213-1TL53	
16	3LD2044-0TK51	Base mounted detachable rotary actuator (Central mounted) and padlocking device and door coupling with interlock	16	3LD2044-1TL51	Base mounted detachable rotary actuator (Central mounted) and padlocking device and door coupling with interlock
16	3LD2044-0TK53		16	3LD2044-1TL53	
25	3LD2144-0TK51		25	3LD2144-1TL51	
25	3LD2144-0TK53		25	3LD2144-1TL53	
32	3LD2244-0TK51			-	
32	3LD2244-0TK53		32	3LD2244-1TL53	
63	3LD2504-0TK51	Panel mounted detachable rotary actuator and padlocking device	63	3LD2555-0TK51	Panel mounted detachable rotary actuator and padlocking device
63	3LD2504-0TK53		63	3LD2555-0TK53	
100	3LD2704-0TK51			-	
100	3LD2704-0TK53			-	
125	3LD2804-0TK51			-	
125	3LD2804-0TK53			-	
63	3LD2514-0TK51	Base mounted detachable rotary actuator and padlocking device and door coupling with interlock Base mounted detachable		-	Base mounted detachable rotary actuator and padlocking device and door coupling with interlock Base mounted detachable
63	3LD2514-0TK53		63	3LD2514-1TL53	
100	3LD2714-0TK51			-	
100	3LD2714-0TK53			-	
125	3LD2814-0TK51			-	
125	3LD2814-0TK53			-	
63	3LD2545-0TK51			-	
63	3LD2545-0TK53		63	3LD2545-0TL53	

16	3LD2030-0TK11	Din-rail Mounted switch, Installation cover X74 And padlocking Device Z20			
16	3LD2030-0TK13				
25	3LD2130-0TK11				
25	3LD2130-0TK13				
32	3LD2230-0TK11				
32	3LD2230-0TK13				
63	3LD2530-0TK11				
63	3LD2530-0TK13				
100	3LD2730-0TK11				
100	3LD2730-0TK13				
125	3LD2830-0TK11				
125	3LD2830-0TK13				

Application/Limitation

With Uimp = 6 kV the equipment can be used in an ship IT net up to 600 V. It can also be used in a directly earthed net with the voltages 690/400 V.

Type Approval documentation

Siemens catalogue LV30 -2004 , page 6/2, 6/4 to 6/13 and 6/15 tp 6/19
VDE test reports no. 190008-CC2-1 /-2 /-4 2014-11-27
KEMA, test report no. 99.2718.01 1999-06-30
KEMA, test report no. 99.2718.02 1999-06-30
KEMA, test report no. 99.2718.03 1999-06-30
KEMA, test report no. 99.2718.04 1999-06-30
SIEMENS, test report no. 99001-Z1 1999-06-07
SIEMENS, test report no. 99028TQs 1999-10-19

Tests carried out

IEC 60947-3 / 1999 (main contacts), IEC 60947-5 / 1999 (aux. contacts). Vibration, damp heat, dry heat, cold, insulation resistance and high voltage tests

Marking of product

Siemens AG - Type designation - Rated voltage - Rated current

Periodical assessment

The scope of the periodical assessment is to verify that the conditions stipulated for the Type Approval are complied with and that no alterations are made to the product design or choice of materials.

The main elements of the assessment are:
- Inspection on factory samples, selected at random from the production line (where practicable)
- Results from Production Sample Tests (PST) and Routines (RT) checked (if not available tests according to PST and RT to be carried out)
- Review of type approval documentation
- Review of possible change in design, materials and performance
- Ensuring traceability between manufacturer's product type marking and Type Approval certificate.

Assessment to be performed at least every 2½ year.

END OF CERTIFICATE