



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: IECEx BVS 16.0065X

Issue No: 3

Certificate history:

Issue No. 3 (2018-03-13)

Issue No. 2 (2017-07-13)

Issue No. 1 (2017-05-12)

Issue No. 0 (2016-09-20)

Status: **Current**

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Date of Issue: **2018-03-13**

Applicant: **Cooper Crouse-Hinds GmbH**
Neuer Weg-Nord 49
69412 Eberbach
Germany

Equipment: **Terminal box type N-TB-T ** ** ** ****

Optional accessory:

Type of Protection: **Equipment dust ignition protection by enclosure "t", Equipment protection by increased safety "e"**

Marking: Ex e IIC T* Gb or Ex eb IIC T*
Ex tb IIIC T*°C Db Ex tb IIIC T*°C

* The values of the temperature class and the surface temperature depending on the defined ambient temperature range and the specific power dissipation of each terminal box variant. See clause "Parameters" for details.

*Approved for issue on behalf of the IECEx
Certification Body:*

Jörg Koch

Position:

Head of Certification Body

*Signature:
(for printed version)*

Date:

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

DEKRA EXAM GmbH
Dinnendahlstrasse 9
44809 Bochum
Germany

 **DEKRA**
On the safe side.



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Manufacturer: **Cooper Crouse-Hinds GmbH**
Neuer Weg-Nord 49
69412 Eberbach
Germany

Additional Manufacturing location(s):

Eaton MEDC Limited
4003 - Crouse-Hinds UK Division
Dorset Road
Sheerness
Kent ME12 1LP
United Kingdom

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS:

The apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2011 Explosive atmospheres - Part 0: General requirements
Edition:6.0
IEC 60079-31 : 2013 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2
IEC 60079-7 : 2006-07 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:4

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

[DE/BVS/ExTR16.0064/03](#)

Quality Assessment Report:

[DE/BVS/QAR11.0009/08](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Description

The terminal box type N-TB-T * * * * * is designed in type of protection Increased Safety "e" for use in areas with potentially explosive gas atmosphere and in type of protection Protection by Enclosure "t" for areas with potentially explosive dust atmospheres. The used empty enclosure type N-TB * * * * * SL * * * * * is separately tested and certified with IECEx CoC IECEx BVS 13.0026U and with ATEX Certificate BVS 13 ATEX E 014 U.

Inside the enclosure several different terminal blocks can be installed according to the documentation of the manufacturer.

In case of intrinsically safe circuits inside the terminal box it is a simple apparatus according to standard IEC 60079-11 and a marking must be added to the enclosure. The creepage and clearance distances between intrinsically safe circuits to ground, between two different intrinsic safe circuits and between intrinsically and non-intrinsically safe circuits are taken into account during the installation of the terminals.

Subject and type

See Annex

Parameters

See Annex

Listing of all components used referring to older Standards

See Annex

SPECIFIC CONDITIONS OF USE: YES as shown below:

The schedules of limitation of the used terminals must be handed out by passing the complete and relevant documentation of the terminal to the operator by the manufacturer.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

The name of the manufacturing location in Sheerness has been changed from Cooper Crouse Hinds GmbH (UK) Limited to Eaton MEDC Limited.

Annex:

[BVS_16_0065X_Cooper_Annex_issue3.pdf](#)



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Subject and type

Terminal box type N-TB-T ^{aa bb cc dd e f}

aa Enclosure material
S1 316L stainless steel - polished
S2 304 stainless steel - polished
S3 316L stainless steel - natural
S5 304 stainless steel - natural
P1 316L painted variant 1
P2 304 painted variant 1
P4 316L painted variant 2
P5 304 painted variant 2

bb Height of the enclosure noted in cm ¹
Range: 22 up to 105

cc Width of the enclosure noted in cm ¹
Range: 15 up to 74

dd Depth of the enclosure noted in cm ¹
Range: 13 up to 34

e Gland plate
0 without
1 one side
2 two sides
3 three sides
4 all sides

f Type of gasket ¹
1 Standard
2 Flat gasket 1
4 Combination of Standard and Flat gasket 1

¹ Detailed information about the possible combinations of height, width, length and type of gasket are given in the clause parameters.

Listing of all components used referring to older standards

Subject and type	Certificate	Standards
Terminal type MSLKG 5	IECEX KEM 07.0035U ¹	IEC 60079-0:2004, Ed. 4 IEC 60079-7:2006, Ed. 4
Terminal type SAK *	IECEX KEM 06.0014U ¹	IEC 60079-0:2004, Ed. 4 IEC 60079-7:2001, Ed. 3
Terminal type ZDU *	IECEX ULD 05.0009U ¹	IEC 60079-0:2004, Ed. 4 IEC 60079-7:2001, Ed. 3
Terminal type SAKK ***	IECEX SIR 05.0032U ¹	IEC 60079-0:2004, Ed. 4 IEC 60079-7:2001, Ed. 3
Terminal type SSK **** KER-EX	IECEX KEM 06.0045U ¹	IEC 60079-0:2004, Ed. 4 IEC 60079-7:2001, Ed. 3

¹ No applicable technical differences

² Technical differences evaluated and found satisfactory



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Parameters

Electrical parameters

Rated voltage ¹	AC / DC	690 V
Rated current ²	up to	400 A
Cross section ³	up to	240 mm ²

¹ The rated voltage depends on the used type of terminal and the creepage and clearance distances.

² The rated current depends on the used type of terminal, the cross section and the number of conductors.

³ According to the cross section / current table for each size of enclosure.

Thermal parameters (general)

Terminal box size	T _{amb,max}	Maximum permitted dissipation power [W]		
		T6	T5	T4
22-15-13	40 °C	33.3	45.9	---
	50 °C	---	37.5	58.4
	55 °C	20.8	33.3	---
	80 °C	---	12.5	33.3
	100 °C	---	---	16.7
	110 °C	---	---	8.3
26-26-16	40 °C	58.3	80.2	---
	50 °C	---	65.6	102.0
	55 °C	36.4	58.3	---
	80 °C	---	21.9	58.3
	100 °C	---	---	29.2
	110 °C	---	---	14.6
26-26-20	40 °C	67.4	92.6	---
	50 °C	---	75.8	117.9
	55 °C	42.1	67.4	---
	80 °C	---	25.3	67.4
	100 °C	---	---	33.7
	110 °C	---	---	16.8
30-30-16	40 °C	74.1	101.8	---
	50 °C	---	83.3	129.6
	55 °C	46.3	74.1	---
	80 °C	---	27.8	74.1
	100 °C	---	---	37.0
	110 °C	---	---	18.5
30-30-20	40 °C	84.7	116.5	---
	50 °C	---	95.3	148.3
	55 °C	52.9	84.7	---
	80 °C	---	31.8	84.7
	100 °C	---	---	42.4
	110 °C	---	---	21.2
30-35-20	40 °C	93.4	128.4	---
	50 °C	---	105.1	163.5
	55 °C	58.4	93.4	---
	80 °C	---	35.0	93.4
	100 °C	---	---	46.7
	110 °C	---	---	23.4



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38-26-16	40 °C	77.8	107.0	---
	50 °C	---	87.5	136.1
	55 °C	48.6	77.8	---
	80 °C	---	29.2	77.8
	100 °C	---	---	38.9
	110 °C	---	---	19.4
38-26-20	40 °C	88.9	122.3	---
	50 °C	---	100.1	155.6
	55 °C	55.6	88.9	---
	80 °C	---	33.4	88.9
	100 °C	---	---	44.5
	110 °C	---	---	22.2
38-30-23	40 °C	105.3	144.8	---
	50 °C	---	118.5	184.4
	55 °C	65.8	105.3	---
	80 °C	---	39.5	105.3
	100 °C	---	---	52.7
	110 °C	---	---	26.3
38-38-23	40 °C	124.3	170.9	---
	50 °C	---	139.8	217.5
	55 °C	77.7	124.3	---
	80 °C	---	46.6	124.3
	100 °C	---	---	62.2
	110 °C	---	---	31.1
38-45-20	40 °C	131.9	181.4	---
	50 °C	---	148.4	230.8
	55 °C	82.4	131.9	---
	80 °C	---	49.5	131.9
	100 °C	---	---	66.0
	110 °C	---	---	33.0
40-40-16	40 °C	111.4	153.1	---
	50 °C	---	125.3	194.9
	55 °C	69.6	111.4	---
	80 °C	---	41.8	111.4
	100 °C	---	---	55.7
	110 °C	---	---	27.8
40-50-15	40 °C	132.8	182.5	---
	50 °C	---	149.4	232.3
	55 °C	83.0	132.8	---
	80 °C	---	49.8	132.8
	100 °C	---	---	66.4
	110 °C	---	---	33.2
45-38-16	40 °C	119.6	164.5	---
	50 °C	---	135.6	209.3
	55 °C	74.8	119.6	---
	80 °C	---	44.9	119.6
	100 °C	---	---	59.8
	110 °C	---	---	29.9
45-38-20	40 °C	134.2	184.6	---
	50 °C	---	151.0	234.9
	55 °C	83.9	134.2	---
	80 °C	---	50.3	134.2
	100 °C	---	---	67.1
	110 °C	---	---	33.6



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45-55-20	40 °C	177.3	243.8	---
	50 °C	---	199.5	310.3
	55 °C	110.8	177.3	---
	80 °C	---	66.5	177.3
	100 °C	---	---	88.7
	110 °C	---	---	44.3
48-48-16	40 °C	148.5	204.2	---
	50 °C	---	167.0	259.8
	55 °C	92.8	148.5	---
	80 °C	---	55.7	148.5
	100 °C	---	---	74.2
	110 °C	---	---	37.1
48-48-20	40 °C	165.2	227.1	---
	50 °C	---	185.8	289.1
	55 °C	103.2	165.2	---
	80 °C	---	61.9	165.2
	100 °C	---	---	82.6
	110 °C	---	---	41.3
50-35-16	40 °C	120.3	165.3	---
	50 °C	---	135.3	210.4
	55 °C	75.2	120.3	---
	80 °C	---	45.1	120.3
	100 °C	---	---	60.1
	110 °C	---	---	30.1
50-35-20	40 °C	135.0	185.7	---
	50 °C	---	151.9	236.3
	55 °C	84.4	135.0	---
	80 °C	---	50.6	135.0
	100 °C	---	---	67.5
	110 °C	---	---	33.8
50-45-20	40 °C	162.3	223.2	---
	50 °C	---	182.6	284.0
	55 °C	101.4	162.3	---
	80 °C	---	60.9	162.3
	100 °C	---	---	81.2
	110 °C	---	---	40.6
50-55-20	40 °C	189.6	260.6	---
	50 °C	---	213.3	331.7
	55 °C	118.5	189.6	---
	80 °C	---	71.1	189.6
	100 °C	---	---	94.8
	110 °C	---	---	47.4
50-64-20	40 °C	214.1	294.4	---
	50 °C	---	240.9	374.7
	55 °C	133.8	214.1	---
	80 °C	---	80.3	214.1
	100 °C	---	---	107.0
	110 °C	---	---	53.5
60-65-20	40 °C	246.8	339.3	---
	50 °C	---	277.6	431.8
	55 °C	154.2	246.8	---
	80 °C	---	92.5	246.8
	100 °C	---	---	123.4
	110 °C	---	---	61.7



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62-45-16	40 °C	174.1	239.4	---
	50 °C	---	195.8	203.6
	55 °C	108.8	174.1	---
	80 °C	---	65.3	174.1
	100 °C	---	---	87.0
	110 °C	---	---	43.5
62-45-20	40 °C	192.7	265.0	---
	50 °C	---	216.8	337.2
	55 °C	120.4	192.7	---
	80 °C	---	72.3	192.7
	100 °C	---	---	96.3
	110 °C	---	---	48.2
73-73-34	40 °C	398.0	547.2	---
	50 °C	---	447.7	695.5
	55 °C	248.7	398.0	---
	80 °C	---	149.2	398.0
	100 °C	---	---	199.0
	110 °C	---	---	99.5
74-55-16	40 °C	237.2	326.1	---
	50 °C	---	266.8	415.1
	55 °C	148.2	237.2	---
	80 °C	---	88.9	237.2
	100 °C	---	---	118.6
	110 °C	---	---	59.3
74-55-20	40 °C	259.6	357.0	---
	50 °C	---	292.1	454.3
	55 °C	162.3	259.6	---
	80 °C	---	97.4	259.6
	100 °C	---	---	129.8
	110 °C	---	---	64.9
76-50-20	40 °C	250.3	344.2	---
	50 °C	---	281.6	438.1
	55 °C	156.5	250.3	---
	80 °C	---	93.9	250.3
	100 °C	---	---	125.2
	110 °C	---	---	62.6
86-64-16	40 °C	305.6	450.2	---
	50 °C	---	343.8	534.8
	55 °C	191.0	305.6	---
	80 °C	---	114.6	305.6
	100 °C	---	---	152.8
	110 °C	---	---	76.4
86-64-20	40 °C	331.7	456.1	---
	50 °C	---	373.2	580.5
	55 °C	207.3	331.7	---
	80 °C	---	124.4	331.7
	100 °C	---	---	165.9
	110 °C	---	---	82.9
91-61-20	40 °C	336.4	462.5	---
	50 °C	---	378.4	588.7
	55 °C	210.2	336.4	---
	80 °C	---	126.1	336.4
	100 °C	---	---	168.2
	110 °C	---	---	84.1



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98-74-16	40 °C	386.8	531.9	---
	50 °C	---	435.2	676.9
	55 °C	241.8	386.8	---
	80 °C	---	145.1	386.8
	100 °C	---	---	193.4
	110 °C	---	---	96.7
98-74-20	40 °C	416.7	573.0	---
	50 °C	---	468.8	729.3
	55 °C	260.5	416.7	---
	80 °C	---	156.3	416.7
	100 °C	---	---	208.4
	110 °C	---	---	104.2
105-61-20	40 °C	379.2	521.5	---
	50 °C	---	426.6	663.7
	55 °C	237.0	379.2	---
	80 °C	---	142.2	379.2
	100 °C	---	---	189.6
	110 °C	---	---	94.8

The lower ambient temperature range depends on the used sealing material

$T_{amb,min} = -40\text{ °C}$ (Standard and flat gasket 1)

$T_{amb,min} = -35\text{ °C}$ (Flat gasket 2)

Thermal parameters for each size of terminal box

Terminal box size 22-15-13

Current [A]	Cross section [mm ²]														
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240
3															
6	63			4)											
10	21	42	163												
16	9	24	47												
20		11	26	51											
25			7	20	50										
35				3	16	41									
50		5)			5	19	68								
63						7	21	76							
80							9	20							
100								8							3)
125															
1)	See explanation below the tables														
2)	See explanation below the tables														

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Terminal box size 26-26-16

Current [A]	Cross section [mm ²]														
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240
3															
6	82			4)											
10	28	55	213												
16	11	32	62												
20		15	35	67											
25			10	26	65										
35		5)		3	21	54									
50					7	25	89								
63						9	28	100							
80							12	26							
100								10							3)
125															
1)	See explanation below the tables														
2)	See explanation below the tables														

Terminal box size 26-26-20

Current [A]	Cross section [mm ²]														
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240
3															
6	95			4)											
10	32	63	246												
16	13	37	71												
20		17	40	78											
25			12	30	76										
35				4	24	63									
50					8	29	103								
63			5)			11	32	116							
80							14	30							
100								12							3)
125															
1)	See explanation below the tables														
2)	See explanation below the tables														

Terminal box size 30-30-16

Current [A]	Cross section [mm ²]														
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240
3															
6	89														
10	30	59	230		4)										
16	12	34	67												
20		16	38	73											
25			11	28	71										
35				4	23	58									
50					7	27	96								
63			5)			10	30	108							
80							13	28							
100								11	29						
125									10						3)
160															
1)	See explanation below the tables														
2)	See explanation below the tables														

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Terminal box size 30-30-20

Current [A]	Cross section [mm ²]														
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240
3															
6	102														
10	35	68	263		4)										
16	14	39	76												
20		18	43	83											
25			12	32	81										
35				4	26	67									
50					9	31	110								
63						12	34	124							
80			5)				15	32							
100								13	33						
125									11						3)
160															
1)	See explanation below the tables														
2)	See explanation below the tables														

Terminal box size 30-35-20

Current [A]	Cross section [mm ²]														
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240
3															
6	105														
10	36	69	270		4)										
16	15	40	78												
20		19	44	85											
25			13	33	83										
35				5	27	69									
50					9	32	113								
63						12	35	127							
80			5)				15	33							
100								13	34						
125									11	30					
160										10					
200										4					3)
225															
1)	See explanation below the tables														
2)	See explanation below the tables														

Terminal box size 38-26-16

Current [A]	Cross section [mm ²]														
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240
3															
6	88														
10	30	58	227		4)										
16	12	34	66												
20		16	37	72											
25			11	28	70										
35				4	23	58									
50					7	27	95								
63						10	30	107							
80			5)				12	28							
100								11	28						
125									9	25					
160										9	21				
200										3	12				
225											6				3)
250															
1)	See explanation below the tables														
2)	See explanation below the tables														



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Terminal box size 38-26-20

Current [A]	Cross section [mm ²]														
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240
3															
6	100														
10	34	67	260		4)										
16	14	39	75												
20		18	42	82											
25			12	32	80										
35				4	26	66									
50					8	30	109								
63						11	34	122							
80			5)				14	32							
100								13	32						
125									11	28					
160										10	25				
200										4	14				
225											7				3)
250															
1)	See explanation below the tables														
2)	See explanation below the tables														

Terminal box size 38-30-23

Current [A]	Cross section [mm ²]														
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240
3															
6	113														
10	39	75	293		4)										
16	16	44	85												
20		21	48	92											
25			14	36	90										
35				5	29	74									
50					10	34	123								
63						13	38	137							
80			5)				16	26							
100								14	37						
125									12	32					
160										11	28				
200										4	16				
225											8				3)
250															
1)	See explanation below the tables														
2)	See explanation below the tables														

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Terminal box size 38-38-23

Current [A]	Cross section [mm ²]														
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240
3															
6	120														
10	41	80	311		4)										
16	17	47	90												
20		22	51	98											
25			15	38	96										
35				5	31	79									
50					10	37	130								
63						14	41	146							
80			5)				17	38							
100								15	39						
125									13	34					
160										12	30				
200										4	17				
225											9				3)
250															
1)	See explanation below the tables														
2)	See explanation below the tables														

Terminal box size 38-45-20

Current [A]	Cross section [mm ²]														
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240
3															
6	117														
10	40	77	301		4)										
16	16	45	87												
20		21	49	95											
25			14	37	93										
35				5	30	77									
50					10	35	126								
63						13	39	141							
80			5)				17	37							
100								15	38						
125									13	33					
160										12	29	89			
200										4	16	35			
225											8	21	44		
250												4	13	26	
315														6	3)
400															
1)	See explanation below the tables														
2)	See explanation below the tables														



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Terminal box size 40-40-16

Current [A]	Cross section [mm ²]														
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240
3															
6	102														
10	35	68	265		4)										
16	14	40	77												
20		19	43	84											
25			12	33	81										
35				4	26	67									
50					9	31	111								
63						12	35	124							
80			5)				15	33							
100								13	33						
125									11	29					
160										10	25				
200										4	14				
225											7				3)
250															
1)	See explanation below the tables														
2)	See explanation below the tables														

Terminal box size 40-50-15

Current [A]	Cross section [mm ²]														
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240
3															
6	106														
10	36	71	275		4)										
16	15	41	79												
20		19	45	87											
25			13	34	84										
35				5	27	70									
50					9	32	115								
63						12	36	129							
80			5)				15	34							
100								13	34						
125									12	30					
160										11	26	81			
200										4	15	32			
225											8	19	40		
250												4	11	24	
315														5	16
400															2
															3)
1)	See explanation below the tables														
2)	See explanation below the tables														



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Terminal box size 45-38-16

Current [A]	Cross section [mm ²]														
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240
3															
6	104														
10	36	69	270		4)										
16	15	40	78												
20		19	44	85											
25			13	33	83										
35				5	27	69									
50					9	32	113								
63						12	35	127							
80			5)				15	33							
100								13	34						
125									11	30					
160										10	26	79			
200										4	15	31			
225											8	19	39		
250												4	11	23	
315														5	3)
400															
1)	See explanation below the tables														
2)	See explanation below the tables														

Terminal box size 45-38-20

Current [A]	Cross section [mm ²]														
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240
3															
6	117														
10	40	78	303		4)										
16	16	45	88												
20		21	50	96											
25			14	37	93										
35				5	30	77									
50					10	36	127								
63						13	40	142							
80			5)				17	37							
100								15	38						
125									13	33					
160										12	29	89			
200										4	16	35			
225											9	21	44		
250												4	13	26	
315														6	3)
400															
1)	See explanation below the tables														
2)	See explanation below the tables														



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Terminal box size 45-55-20

Current [A]	Cross section [mm ²]															
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240	
3																
6	129															
10	44	86	333		4)											
16	18	50	97													
20		24	55	105												
25			16	41	102											
35				6	33	85										
50					11	39	140									
63						15	44	157								
80			5)				19	41								
100							2	16	42							
125									14	37						
160										13	32	98				
200										5	18	39				
225											9	23	49			
250												5	14	29		
315														6	20	
400															2	3)
1)	See explanation below the tables															
2)	See explanation below the tables															

Terminal box size 48-48-16

Current [A]	Cross section [mm ²]															
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240	
3																
6	114															
10	39	76	294		4)											
16	16	44	85													
20		21	48	93												
25			14	36	90											
35				5	29	75										
50					10	35	123									
63						13	38	138								
80			5)				16	36								
100								14	37							
125									12	32						
160										11	28	87				
200										4	16	34				
225											8	21	43			
250												4	12	26		
315														5	18	
400															2	3)
1)	See explanation below the tables															
2)	See explanation below the tables															

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Terminal box size 48-48-20

Current [A]	Cross section [mm ²]															
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240	
3																
6	127															
10	43	84	327		4)											
16	18	49	95													
20		23	54	103												
25			16	40	101											
35				6	33	83										
50					11	39	137									
63						15	43	154								
80			5)				18	40								
100							2	16	41							
125									14	36						
160										13	31	97				
200										5	18	38				
225											9	23	48			
250												5	14	29		
315														6	20	
400															2	3)
1)	See explanation below the tables															
2)	See explanation below the tables															

Terminal box size 50-35-16

Current [A]	Cross section [mm ²]															
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240	
3																
6	102															
10	35	68	265		4)											
16	14	40	77													
20		19	43	84												
25			12	33	81											
35				4	26	67										
50					9	31	111									
63						12	35	124								
80			5)				15	33								
100								13	33							
125									11	29						
160										10	25	78				
200										4	14	30				
225											7	18	39			
250												4	11	23		
315														5	16	
400															2	3)
1)	See explanation below the tables															
2)	See explanation below the tables															



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Terminal box size 50-35-20

Current [A]	Cross section [mm ²]															
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240	
3																
6	115															
10	39	76	298		4)											
16	16	45	86													
20		21	49	94												
25			14	37	91											
35				5	30	76										
50					10	35	125									
63						13	39	140								
80			5)				16	37								
100								15	37							
125									13	33						
160										12	28	88				
200										4	16	34				
225											8	21	44			
250												4	12	26		
315														5	18	
400															2	3)
1)	See explanation below the tables															
2)	See explanation below the tables															

Terminal box size 50-45-20

Current [A]	Cross section [mm ²]															
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240	
3																
6	126															
10	43	83	325		4)											
16	18	49	94													
20		23	43	103												
25			15	40	100											
35				6	32	83										
50					11	38	136									
63						14	42	152								
80			5)				18	40								
100							2	16	41							
125									14	36						
160										13	31	96				
200										5	18	37				
225											9	23	48			
250												4	14	28		
315														6	19	
400															2	3)
1)	See explanation below the tables															
2)	See explanation below the tables															



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Terminal box size 50-55-20

Current [A]	Cross section [mm ²]														
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240
3															
6	133														
10	45	88	343		4)										
16	19	51	99												
20		24	56	108											
25			16	42	105										
35				6	34	87									
50					11	40	144								
63						15	45	161							
80			5)				19	42							
100							2	17	43						
125									15	38					
160										13	33	101			
200										5	19	40			
225											10	24	50		
250												5	14	30	
315														6	21
400															3
1)	See explanation below the tables														
2)	See explanation below the tables														

Terminal box size 50-64-20

Current [A]	Cross section [mm ²]														
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240
3															
6	137														
10	47	91	355		4)										
16	19	53	103												
20		25	58	112											
25			17	44	109										
35				6	35	90									
50					12	42	149								
63						16	46	167							
80			5)				20	44							
100							2	17	44						
125									15	39					
160										14	34	105			
200										5	19	41			
225											10	25	52		
250												5	15	31	
315														7	21
400															3
1)	See explanation below the tables														
2)	See explanation below the tables														



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Terminal box size 60-64-20

Current [A]	Cross section [mm ²]														
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240
3															
6	147														
10	50	97	379		4)										
16	21	57	110												
20		27	62	120											
25			18	47	116										
35				7	38	96									
50					13	45	159								
63						17	50	178							
80			5)				21	47							
100							2	19	47						
125									16	42					
160										15	36	112			
200										5	21	44			
225											11	27	55		
250												5	16	33	
315														7	23
400															3
1)	See explanation below the tables														
2)	See explanation below the tables														

Terminal box size 62-45-16

Current [A]	Cross section [mm ²]														
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240
3															
6	118														
10	40	79	306		4)										
16	17	46	89												
20		22	50	97											
25			14	38	94										
35				5	30	78									
50					10	36	128								
63						14	40	144							
80			5)				17	38							
100								15	38						
125									13	34					
160										12	29	90			
200										4	17	35			
225											9	21	45		
250												4	13	27	
315														6	18
400															2
1)	See explanation below the tables														
2)	See explanation below the tables														

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Terminal box size 62-45-20

Current [A]	Cross section [mm ²]														
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240
3															
6	131														
10	45	87	338		4)										
16	18	51	98												
20		24	55	107											
25			16	42	104										
35				6	34	86									
50					11	40	142								
63						15	44	159							
80			5)				19	42							
100							2	17	42						
125								14	37						
160									13	32	100				
200									5	18	39				
225										10	24	50			
250											5	14	30		
315													6	20	
400														3	3)
1)	See explanation below the tables														
2)	See explanation below the tables														

Terminal box size 73-73-34

Current [A]	Cross section [mm ²]														
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240
3															
6	201														
10	69	134	519		4)										
16	28	78	151												
20		37	85	164											
25			25	64	160										
35				9	52	132									
50					17	61	218								
63						23	68	244							
80			5)				29	64							
100							3	26	65						
125								22	57						
160									20	50	153				
200									8	28	60				
225										15	37	76			
250											7	22	46		
315													10	31	
400														4	3)
1)	See explanation below the tables														
2)	See explanation below the tables														

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Terminal box size 74-55-16

Current [A]	Cross section [mm ²]														
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240
3															
6	134														
10	46	89	346		4)										
16	19	52	100												
20		24	57	109											
25			16	43	106										
35				6	35	88									
50					11	41	145								
63						15	45	163							
80			5)				19	43							
100							2	17	43						
125								15	38						
160									13	33	102				
200									5	19	40				
225										10	24	51			
250											5	14	30		
315													6	21	
400														3	3)
1)	See explanation below the tables														
2)	See explanation below the tables														

Terminal box size 74-55-20

Current [A]	Cross section [mm ²]														
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240
3															
6	147														
10	50	97	379		4)										
16	21	57	110												
20		27	62	120											
25			18	47	116										
35				7	38	96									
50					13	45	159								
63						17	50	178							
80			5)				21	47							
100							2	19	47						
125								16	42						
160									15	36	112				
200									5	21	44				
225										11	27	56			
250											5	16	33		
315													7	23	
400														3	3)
1)	See explanation below the tables														
2)	See explanation below the tables														

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Terminal box size 76-50-20

Current [A]	Cross section [mm ²]														
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240
3															
6	142														
10	49	95	368		4)										
16	20	55	107												
20		26	60	116											
25			17	45	113										
35				6	37	94									
50					12	43	154								
63						16	48	173							
80			5)				20	45							
100							2	18	46						
125								16	41						
160									14	35	109				
200									5	20	42				
225										10	26	54			
250											5	15	32		
315													7	22	
400															3
1)	See explanation below the tables														
2)	See explanation below the tables														

Terminal box size 86-64-16

Current [A]	Cross section [mm ²]														
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240
3															
6	149														
10	51	99	384		4)										
16	21	58	111												
20		27	63	121											
25			18	47	118										
35				7	38	98									
50					13	45	161								
63						17	50	180							
80			5)				21	47							
100							2	19	48						
125									16	42					
160										15	37	113			
200										5	21	44			
225											11	27	56		
250												5	16	34	
315														7	23
400															2
1)	See explanation below the tables														
2)	See explanation below the tables														



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Terminal box size 86-64-20

Current [A]	Cross section [mm ²]														
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240
3															
6	161														
10	55	107	416		4)										
16	23	62	121												
20		30	68	132											
25			20	51	128										
35				7	42	106									
50					14	49	175								
63						19	55	196							
80			5)				23	51							
100							2	21	52						
125									18	46					
160										16	40	123			
200										6	23	48			
225											12	29	61		
250												6	17	36	
315														8	25
400															3
1)	See explanation below the tables														
2)	See explanation below the tables														

Terminal box size 91-61-20

Current [A]	Cross section [mm ²]														
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240
3															
6	159														
10	55	106	412		4)										
16	22	62	119												
20		29	68	130											
25			20	51	127										
35				7	41	105									
50					14	49	173								
63						18	54	194							
80			5)				23	51							
100							2	20	52						
125									18	45					
160										16	39	122			
200										6	22	48			
225											12	29	60		
250												6	17	36	
315														8	25
400															3
1)	See explanation below the tables														
2)	See explanation below the tables														



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Terminal box size 98-74-16

Current [A]	Cross section [mm ²]														
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240
3															
6	164														
10	56	109	424		4)										
16	23	64	123												
20		30	70	134											
25			20	52	130										
35				7	42	108									
50					14	50	178								
63						19	56	199							
80			5)				24	52							
100							2	21	53						
125								18	47						
160									17	40	125				
200									6	23	49				
225											12	30	62		
250												6	18	37	
315														8	25
400															3
1)	See explanation below the tables														
2)	See explanation below the tables														

Terminal box size 98-74-20

Current [A]	Cross section [mm ²]														
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240
3															
6	177														
10	61	118	457		4)										
16	25	69	132												
20		32	75	144											
25			22	57	140										
35				8	46	116									
50					15	54	192								
63						21	60	215							
80			5)				26	56							
100							2	23	57						
125								20	50						
160									18	44	135				
200									7	25	53				
225											13	32	67		
250												6	19	40	
315														9	27
400															4
1)	See explanation below the tables														
2)	See explanation below the tables														



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Terminal box size 105-61-20

Current [A]	Cross section [mm ²]														
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240
3															
6	163														
10	56	108	420		4)										
16	23	63	122												
20		30	69	133											
25			20	52	129										
35				7	42	107									
50					14	50	176								
63						19	55	197							
80			5)				23	52							
100							2	21	53						
125									18	46					
160										16	40	124			
200										6	23	49			
225											12	29	62		
250												6	18	37	
315														8	25
400															3
1)	See explanation below the tables														
2)	See explanation below the tables														

- 1) Max. number of terminals depending on the above mentioned apparatus type and the built-in 2 wire terminals.
- 2) Max. number of terminals depending on the above mentioned apparatus type and the max. number of conductors.
- 3) Max. number of conductors depending on the cross-section and allowed continuous current for the mentioned apparatus type. The number of conductors is the sum of all incoming conductors and internal wire connections. Bridge links and earth conductors do not count.
- 4) This area can be used for the installation of further terminals taking into account the definition of the clearance parameters.
- 5) Terminal installation in this area requires separate temperature rise tests for each different variant of installation.