



# IECEX Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: **IECEX BVS 16.0080X** Page 1 of 4 Certificate history:  
Status: **Current** Issue No: 5 [Issue 4 \(2019-02-28\)](#)  
Date of Issue: 2019-11-28 [Issue 3 \(2018-03-12\)](#)  
[Issue 2 \(2017-07-17\)](#)  
[Issue 1 \(2017-05-11\)](#)  
[Issue 0 \(2016-11-24\)](#)  
Applicant: **Cooper Crouse-Hinds GmbH**  
Neuer Weg-Nord 49  
69412 Eberbach  
Germany  
Equipment: **Terminal box types Ex-Cell-T \*\* \*\* \* or XL-T \*\* \*\* \* \* \* \* \***  
Optional accessory:  
Type of Protection: **Protection by Enclosure "t", Increased Safety "e"**  
Marking: Ex eb IIC T\* Gb  
Ex tb IIIC T\*°C Db  
\* 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:

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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 [www.iecex.com](http://www.iecex.com) or use of this QR Code.



Certificate issued by:

**DEKRA Testing and Certification GmbH**  
Certification Body  
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  
locations:

**Cooper Industries Middle East LLC**  
111th Road, Al Jubail Street, 2nd Industrial  
Area, Dammam 31952  
**Saudi Arabia**

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

**COOPER ELECTRIC (CHANGZHOU) CO.,  
LTD.**  
No. 189 Liuyanghe Road, Xinbei District,  
Changzhou, Jiangsu, China  
**China**

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 equipment 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 60079-0:2017** Explosive atmospheres - Part 0: Equipment - General requirements  
Edition:7.0

**IEC 60079-31:2013** Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"  
Edition:2

**IEC 60079-7:2017** Explosive atmospheres - Part 7: Equipment protection by increased safety "e"  
Edition:5.1

This Certificate **does not** indicate compliance with 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/ExTR16.0080/04](#)

Quality Assessment Reports:

[DE/BVS/QAR11.0009/09](#)  
[GB/BAS/QAR16.0002/02](#)

[GB/BAS/QAR06.0048/08](#)

[GB/BAS/QAR07.0041/09](#)



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## EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

### Subject and type

See Annex

### Description

The terminal box type Ex-Cell-T \*\* \*\*\* \*\* \* \*\* \* or XL-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 Ex-Cell range of enclosures is separately tested and certified with IECEx CoC IECEx BAS 15.0071U and with ATEX Certificate Baseefa 15 ATEX 0099 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.

Listing of all components used referring to older standards

See Annex

### Parameters

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)**

New manufacturing location with GB/BAS/QAR07.0041/09 added

**Annex:**

[BVS\\_16\\_0080X\\_Cooper\\_Issue5\\_Annex.pdf](#)



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## Subject and Type

Terminal box type Ex-Cell-T <sup>aa bbb ccc dd e ff g</sup> or type XL-T <sup>aa bbb ccc dd e ff g</sup>

- aa Enclosure material
- S1 316L stainless steel - polished
  - S2 304 stainless steel - polished
  - S3 316L stainless steel - natural
  - S5 304 stainless steel - natural
  - P3 316L painted variant
  - P4 304 painted variant
- bbb Height of the enclosure noted in cm <sup>1</sup>  
Range: 15 up to 160
- ccc Width of the enclosure noted in cm <sup>1</sup>  
Range: 15 up to 120
- dd Depth of the enclosure noted in cm <sup>1</sup>  
Range: 8 up to 40
- e Gland plate
- 0 without
  - 1 one side
  - 2 two sides
  - 3 three sides
  - 4 all sides
- ff Options
- T1 Tag label HPL bonded
  - T2 Tag label HPL bolted
  - S1 Tag label stainless steel bonded
  - S2 Tag label stainless steel riveted
  - MP Mounting plate
  - HASP HASP lock
- g Type of gasket <sup>1</sup>
- 1 Standard
  - 2 Flat gasket
  - 4 Combination of Standard and Flat gasket

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



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## Parameters

### Electrical parameters

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

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

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

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

### Thermal parameters (general)

Terminal box size	T <sub>amb,max</sub>	Maximum permitted dissipation power [W]		
		T6	T5	T4
15-15-08	40 °C	18.0	24.7	---
	50 °C	---	20.2	31.5
	55 °C	11.2	18.0	---
	80 °C	---	6.7	18.0
	100 °C	---	---	15.7
	110 °C	---	---	6.7
22-15-12	40 °C	31.8	43.7	---
	50 °C	---	35.8	55.7
	55 °C	19.9	31.8	---
	80 °C	---	11.9	31.8
	100 °C	---	---	27.8
	110 °C	---	---	11.9
26-20-15	40 °C	47.6	65.5	---
	50 °C	---	53.6	83.3
	55 °C	29.8	47.6	---
	80 °C	---	17.9	47.6
	100 °C	---	---	41.7
	110 °C	---	---	17.9
26-26-15	40 °C	56.7	78.0	---
	50 °C	---	63.8	99.2
	55 °C	35.4	56.7	---
	80 °C	---	21.3	56.7
	100 °C	---	---	49.6
	110 °C	---	---	21.3
30-20-15	40 °C	53.9	74.2	---
	50 °C	---	60.7	94.4
	55 °C	33.7	53.9	---
	80 °C	---	20.2	53.9
	100 °C	---	---	47.2
	110 °C	---	---	20.2
30-26-15	40 °C	64.0	88.0	---
	50 °C	---	72.0	112.1
	55 °C	40.0	64.0	---
	80 °C	---	24.0	64.0
	100 °C	---	---	56.0
	110 °C	---	---	24.0
30-30-20	40 °C	84.2	115.8	---
	50 °C	---	94.8	147.4
	55 °C	52.7	84.2	---
	80 °C	---	31.6	84.2
	100 °C	---	---	73.7
	110 °C	---	---	31.6
40-30-20	40 °C	103.9	142.9	---
	50 °C	---	116.9	181.9



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Terminal box size	T <sub>amb,max</sub>	Maximum permitted dissipation power [W]		
		T6	T5	T4
	55 °C	65.0	103.9	---
	80 °C	---	39.0	103.9
	100 °C	---	---	90.9
	110 °C	---	---	39.0
40-40-20	40 °C	127.5	175.3	---
	50 °C	---	143.4	223.1
	55 °C	79.7	127.5	---
	80 °C	---	47.8	127.5
	100 °C	---	---	111.5
	110 °C	---	---	47.8
40-50-20	40 °C	151.5	208.3	---
	50 °C	---	170.4	265.1
	55 °C	94.7	151.5	---
	80 °C	---	56.8	151.5
	100 °C	---	---	132.6
	110 °C	---	---	56.8
50-40-20	40 °C	151.5	208.3	---
	50 °C	---	170.4	265.1
	55 °C	94.7	151.1	---
	80 °C	---	56.8	151.5
	100 °C	---	---	132.6
	110 °C	---	---	56.8
50-60-20	40 °C	179.5	246.9	---
	50 °C	---	202.0	314.2
	55 °C	112.2	179.5	---
	80 °C	---	67.3	179.5
	100 °C	---	---	157.1
	110 °C	---	---	67.3
50-61-20	40 °C	207.6	285.4	---
	50 °C	---	233.5	363.3
	55 °C	129.7	207.6	---
	80 °C	---	77.8	207.6
	100 °C	---	---	181.6
	110 °C	---	---	77.8
61-40-20	40 °C	175.5	241.3	---
	50 °C	---	197.4	307.1
	55 °C	109.7	175.5	---
	80 °C	---	65.8	175.5
	100 °C	---	---	153.6
	110 °C	---	---	65.8
61-50-20	40 °C	207.6	285.4	---
	50 °C	---	233.5	363.3
	55 °C	129.7	207.6	---
	80 °C	---	77.8	207.6
	100 °C	---	---	181.6
	110 °C	---	---	77.8
61-61-20	40 °C	239.6	329.5	---
	50 °C	---	269.6	419.4
	55 °C	149.8	239.6	---
	80 °C	---	89.9	239.6
	100 °C	---	---	209.7
	110 °C	---	---	89.9
61-76-20	40 °C	287.4	395.2	---
	50 °C	---	323.4	503.0
	55 °C	179.6	287.4	---
	80 °C	---	107.8	287.4
	100 °C	---	---	251.5
	110 °C	---	---	107.8
76-50-25	40 °C	272.4	374.6	---



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Terminal box size	T <sub>amb,max</sub>	Maximum permitted dissipation power [W]		
		T6	T5	T4
	50 °C	---	306.5	476.8
	55 °C	170.3	272.4	---
	80 °C	---	102.2	272.4
	100 °C	---	---	238.4
	110 °C	---	---	102.2
	76-61-25	40 °C	312.4	429.5
50 °C		---	351.4	546.6
55 °C		195.2	312.4	---
80 °C		---	117.1	312.4
100 °C		---	---	273.3
110 °C		---	---	117.1
76-76-25	40 °C	371.8	511.3	---
	50 °C	---	418.3	650.7
	55 °C	232.4	371.8	---
	80 °C	---	139.4	371.8
	100 °C	---	---	325.4
	110 °C	---	---	139.4
80-61-25	40 °C	325.0	446.9	---
	50 °C	---	365.6	568.7
	55 °C	203.1	325.0	---
	80 °C	---	121.9	325.0
	100 °C	---	---	284.4
	110 °C	---	---	121.9
80-80-30	40 °C	433.1	595.5	---
	50 °C	---	487.2	757.9
	55 °C	270.7	433.1	---
	80 °C	---	162.4	433.1
	100 °C	---	---	378.9
	110 °C	---	---	162.4
91-61-30	40 °C	392.7	540.0	---
	50 °C	---	441.8	687.3
	55 °C	245.4	392.7	---
	80 °C	---	147.3	392.7
	100 °C	---	---	343.6
	110 °C	---	---	147.3
91-76-30	40 °C	464.1	638.2	---
	50 °C	---	522.1	812.2
	55 °C	290.1	464.1	---
	80 °C	---	175.0	464.1
	100 °C	---	---	406.1
	110 °C	---	---	174.0
91-91-30	40 °C	536.0	737.0	---
	50 °C	---	603.0	938.0
	55 °C	335.0	536.0	---
	80 °C	---	201.0	536.0
	100 °C	---	---	469.0
	110 °C	---	---	201.0
100-61-30	40 °C	422.6	581.1	---
	50 °C	---	475.5	739.6
	55 °C	264.1	422.6	---
	80 °C	---	158.5	422.6
	100 °C	---	---	369.8
	110 °C	---	---	158.5
100-80-30	40 °C	518.1	712.4	---
	50 °C	---	582.9	906.7
	55 °C	323.8	518.1	---
	80 °C	---	194.3	518.1
	100 °C	---	---	453.4
	110 °C	---	---	194.3





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Terminal box size	T <sub>amb,max</sub>	Maximum permitted dissipation power [W]		
		T6	T5	T4
100-100-30	40 °C	618.7	850.7	---
	50 °C	---	696.0	1082.7
	55 °C	386.7	618.7	---
	80 °C	---	232.0	618.7
	100 °C	---	---	541.3
	110 °C	---	---	232.0
120-61-30	40 °C	493.0	677.9	---
	50 °C	---	554.6	862.8
	55 °C	308.1	493.0	---
	80 °C	---	184.9	493.0
	100 °C	---	---	431.4
	110 °C	---	---	184.9
120-80-30	40 °C	603.2	829.4	---
	50 °C	---	678.6	1055.6
	55 °C	377.0	603.2	---
	80 °C	---	226.2	603.2
	100 °C	---	---	527.8
	110 °C	---	---	226.2
120-91-30	40 °C	669.9	921.1	---
	50 °C	---	753.6	1172.3
	55 °C	418.7	669.9	---
	80 °C	---	251.2	669.9
	100 °C	---	---	586.2
	110 °C	---	---	251.2
120-100-30	40 °C	719.2	988.9	---
	50 °C	---	809.1	1258.6
	55 °C	449.5	719.2	---
	80 °C	---	269.7	719.2
	100 °C	---	---	629.3
	110 °C	---	---	269.7
120-120-30	40 °C	835.2	1148.4	---
	50 °C	---	939.6	1461.6
	55 °C	522.0	835.2	---
	80 °C	---	313.2	835.2
	100 °C	---	---	730.8
	110 °C	---	---	313.2
152-91-40	40 °C	916.4	1260.1	---
	50 °C	---	1031.0	1603.7
	55 °C	572.8	916.4	---
	80 °C	---	343.7	916.4
	100 °C	---	---	801.9
	110 °C	---	---	343.7
160-100-40	40 °C	1020.8	1403.6	---
	50 °C	---	1148.4	1786.4
	55 °C	638.0	1020.8	---
	80 °C	---	382.8	1020.8
	100 °C	---	---	893.2
	110 °C	---	---	382.8
160-120-40	40 °C	1175.5	1616.3	---
	50 °C	---	1322.4	2057.1
	55 °C	734.7	1175.5	---
	80 °C	---	440.8	1175.5
	100 °C	---	---	1028.5
	110 °C	---	---	440.8

The lower ambient temperature range depends on the used sealing material

T<sub>amb,min</sub> = -40 °C (Standard)

T<sub>amb,min</sub> = -60 °C (Flat gasket 1)

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Thermal parameters for each size of terminal box

Terminal box size 15-15-08

Current [A]	Cross section [mm <sup>2</sup> ]														
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240
6	44														
10	15	29	114	4)											
16	6	17	33												
20		8	18	36											
25			5	14	35										
35				2	11	29									
50					3	13									
63		5)				5									3)
1)	See explanation below the tables														
2)	See explanation below the tables														

Terminal box size 22-15-12

Current [A]	Cross section [mm <sup>2</sup> ]														
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240
6	60														
10	20	40	155	4)											
16	8	23	45												
20		11	25	49											
25			7	19	48										
35				2	15	3									
50		5)			5	18	65								
63						7	20	73							
80							8	19							
100								7							3)
1)	See explanation below the tables														
2)	See explanation below the tables														

Terminal box size 26-20-15

Current [A]	Cross section [mm <sup>2</sup> ]														
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240
6	75														
10	25	50	194	4)											
16	10	29	56												
20		14	32	61											
25			9	24	59										
35				3	19	49									
50					6	23	81								
63						8	25	91							
80			5)				11	24							
100								9							3)
1)	See explanation below the tables														
2)	See explanation below the tables														



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**Terminal box size 26-26-15**

Current [A]	Cross section [mm <sup>2</sup> ]														
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240
6	80														
10	27	53	207												
16	11	31	60		4)										
20		14	34	65											
25			10	25	64										
35				3	21	53									
50					7	24	87								
63						9	27	97							
80			5)				11	25							
100								10							3)
1)	See explanation below the tables														
2)	See explanation below the tables														

**Terminal box size 30-20-15**

Current [A]	Cross section [mm <sup>2</sup> ]														
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240
6	76														
10	26	51	197												
16	11	29	57		4)										
20		14	32	62											
25			9	24	61										
35				3	20	50									
50					6	23	83								
63						9	26	93							
80							11	24							
100			5)					10	24						
125									8						3)
1)	See explanation below the tables														
2)	See explanation below the tables														

**Terminal box size 30-26-15**

Current [A]	Cross section [mm <sup>2</sup> ]														
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240
6	83														
10	28	55	214												
16	11	32	62		4)										
20		15	35	68											
25			10	26	66										
35				4	21	54									
50					7	25	90								
63						9	28	101							
80							12	26							
100			5)					10	27						
125									9						3)
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 <sup>2</sup> ]														
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240
6	101														
10	35	67	262												
16	14	39	76		4)										
20		18	43	83											
25			12	32	80										
35				4	26	66									
50					9	31	110								
63						12	34	123							
80							14	32							
100			5)					13	33						
125									11						3)
1)	See explanation below the tables														
2)	See explanation below the tables														

**Terminal box size 40-30-20**

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

**Terminal box size 40-40-20**

Current [A]	Cross section [mm <sup>2</sup> ]														
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240
6	116														
10	39	77	299												
16	16	45	86		4)										
20		21	49	94											
25			14	37	92										
35				5	30	76									
50					10	35	125								
63						13	39	140							
80							17	37							
100			5)					15	37						
125									13	33					
160										12	28	88			
200										4	16	34			
225											8	21			
250												4			3)
1)	See explanation below the tables														
2)	See explanation below the tables														



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Terminal box size 40-50-20

Current [A]	Cross section [mm <sup>2</sup> ]															
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240	
6	121															
10	41	81	313													
16	17	47	91		4)											
20		22	51	99												
25			15	39	96											
35				5	31	80										
50					10	37	131									
63						14	41	147								
80							17	39								
100			5)					15	39							
125									13	34						
160										12	30	92				
200										4	17	36				
225											9	22	46			
250												4	13	27		
315														6	19	
400															2	3)
1)	See explanation below the tables															
2)	See explanation below the tables															

Terminal box size 50-40-20

Current [A]	Cross section [mm <sup>2</sup> ]															
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240	
6	121															
10	41	81	313													
16	17	47	91		4)											
20		22	51	99												
25			15	39	96											
35				5	31	80										
50					10	37	131									
63						14	41	147								
80							17	39								
100			5)					15	39							
125									13	34						
160										12	30	92				
200										4	17	36				
225											9	22	46			
250												4	13	27		
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 50-50-20

Current [A]	Cross section [mm <sup>2</sup> ]														
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240
6	130														
10	44	86	336												
16	18	50	97		4)										
20		24	55	106											
25			16	41	103										
35				6	34	85									
50					11	40	141								
63						15	44	158							
80							19	41							
100			5)				2	17	42						
125									14	37					
160										13	32	99			
200										5	18	39			
225											10	24	49		
250												5	14	29	
315														6	20
400															3
1)	See explanation below the tables														
2)	See explanation below the tables														

Terminal box size 50-61-20

Current [A]	Cross section [mm <sup>2</sup> ]														
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240
6	118														
10	43	80	150												
16	18	48	86	185	4)										
20		23	51	89											
25			15	39	81										
35				6	361	68									
50					11	36	79								
63						14	38	73							
80							17	35	77						
100			5)					15	35	80					
125									13	30	63				
160										12	26	47			
200										4	16	29	54		
225											8	19	33	72	
250												4	12	22	49
315														5	16
400															2
1)	See explanation below the tables														
2)	See explanation below the tables														



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Terminal box size 61-40-20

Current [A]	Cross section [mm <sup>2</sup> ]														
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240
6	108														
10	40	73	137												
16	16	44	78	169	4)										
20		21	47	81											
25			14	36	75										
35				5	28	62									
50					10	33	72								
63						13	35	67							
80							16	32	71						
100			5)					14	32	73					
125									12	28	58				
160										11	24	43			
200										4	14	27	49		
225											8	18	30	66	
250												4	11	20	45
315														5	14
400															2
1)	See explanation below the tables														
2)	See explanation below the tables														

Terminal box size 61-50-20

Current [A]	Cross section [mm <sup>2</sup> ]														
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240
6	118														
10	43	80	150												
16	18	48	86	185	4)										
20		23	51	89											
25			15	39	81										
35				6	361	68									
50					11	36	79								
63						14	38	73							
80							17	35	77						
100			5)					15	35	80					
125									13	30	63				
160										12	26	47			
200										4	16	29	54		
225											8	19	33	72	
250												4	12	22	49
315														5	16
400															2
1)	See explanation below the tables														
2)	See explanation below the tables														



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**Terminal box size 61-61-20**

Current [A]	Cross section [mm <sup>2</sup> ]															
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240	
6	125															
10	49	85	159													
16	19	51	91	196	4)											
20		25	55	94												
25			16	41	87											
35				6	33	72										
50					11	38	84									
63						15	40	77								
80							18	37	82							
100			5)				2	16	37	85						
125									14	32	67					
160										12	27	50				
200										5	17	31	57			
225											9	21	35	77		
250												4	13	24	52	
315														6	17	
400															2	3)
1)	See explanation below the tables															
2)	See explanation below the tables															

**Terminal box size 61-76-20**

Current [A]	Cross section [mm <sup>2</sup> ]															
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240	
6	132															
10	49	90	169													
16	20	54	96	208	4)											
20		26	58	100												
25			17	44	92											
35				6	35	76										
50					12	40	89									
63						16	43	82								
80							19	40	87							
100			5)				2	17	39	90						
125									15	34	72					
160										13	29	53				
200										5	18	33	61			
225											9	22	37	81		
250												5	13	25	55	
315														6	18	
400															2	3)
1)	See explanation below the tables															
2)	See explanation below the tables															





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Terminal box size 76-50-25

Current [A]	Cross section [mm <sup>2</sup> ]															
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240	
6	134															
10	49	91	170													
16	21	55	97	210	4)											
20		26	59	101												
25			18	44	93											
35				6	35	77										
50					12	41	90									
63						16	43	83								
80							20	40	88							
100			5)				2	17	39	91						
125									15	34	72					
160										13	29	53				
200										5	18	34	61			
225											10	22	38	82		
250												5	14	25	56	
315														6	18	
400															2	3)
1)	See explanation below the tables															
2)	See explanation below the tables															

Terminal box size 76-61-25

Current [A]	Cross section [mm <sup>2</sup> ]															
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240	
6	144															
10	53	98	183													
16	22	59	105	226	4)											
20		28	63	108												
25			19	48	100											
35				7	38	83										
50					13	44	96									
63						17	47	89								
80							21	43	95							
100			5)				2	18	42	98						
125									16	37	78					
160										14	32	57				
200										5	19	36	66			
225											10	24	41	88		
250												5	15	27	60	
315														7	19	
400															3	3)
1)	See explanation below the tables															
2)	See explanation below the tables															



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**Terminal box size 76-76-25**

Current [A]	Cross section [mm <sup>2</sup> ]															
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185		240
6	155															
10	57	105	198													
16	24	64	113		4)											
20		31	68	244												
25			21	117	108											
35			21	51	41	89										
50				8	14	47	104									
63						19	50	96								
80							23	47	102							
100			5)				2	20	46	106						
125									17	40	84					
160										15	34	62				
200										6	21	39	71			
225											11	26	44	95		
250												6	16	30	65	
315														7	21	
400															3	3)
1)	See explanation below the tables															
2)	See explanation below the tables															

**Terminal box size 80-61-25**

Current [A]	Cross section [mm <sup>2</sup> ]															
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185		240
6	145															
10	54	98	185													
16	22	60	106	228	4)											
20		29	64	109												
25			19	48	101											
35				7	38	84										
50					13	44	97									
63						17	47	90								
80							21	44	95							
100			5)				2	19	43	99						
125									16	37	79					
160										14	32	58				
200										5	19	37	67			
225											10	24	41	89		
250												5	15	28	61	
315														7	20	
400															3	3)
1)	See explanation below the tables															
2)	See explanation below the tables															



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**Terminal box size 80-80-30**

Current [A]	Cross section [mm <sup>2</sup> ]															
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240	
6	172															
10	64	117	219													
16	27	71	125	270	4)											
20		34	76	130												
25			23	57	119											
35				8	46	99										
50					16	52	115									
63						21	56	107								
80							25	52	113							
100			5)				2	22	51	117						
125									19	44	93					
160										17	38	69				
200										6	23	43	79			
225											12	29	49	106		
250												6	18	33	72	
315														8	23	
400															3	3)
1)	See explanation below the tables															
2)	See explanation below the tables															

**Terminal box size 91-61-30**

Current [A]	Cross section [mm <sup>2</sup> ]															
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240	
6	161															
10	59	109	204													
16	25	66	117	252	4)											
20		32	70	121												
25			21	53	111											
35				8	43	92										
50					15	49	108									
63						19	52	99								
80							24	48	106							
100			5)				2	21	47	109						
125									18	41	87					
160										16	35	64				
200										6	21	40	74			
225											12	27	46	99		
250												6	16	31	67	
315														7	22	
400															3	3)
1)	See explanation below the tables															
2)	See explanation below the tables															



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**Terminal box size 91-76-30**

Current [A]	Cross section [mm <sup>2</sup> ]															
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185		240
6	176															
10	65	119	223													
16	27	72	128	275	4)											
20		35	77	132												
25			23	58	122											
35				9	47	101										
50					16	53	118									
63						21	57	109								
80							26	53	115							
100			5)				2	23	52	119						
125									19	45	95					
160										18	39	70				
200										7	24	44	80			
225											13	29	50	108		
250												6	18	34	74	
315														8	24	
400															3	3)
1)	See explanation below the tables															
2)	See explanation below the tables															

**Terminal box size 91-91-30**

Current [A]	Cross section [mm <sup>2</sup> ]															
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185		240
6	187															
10	69	126	237													
16	29	76	136	293	4)											
20		37	82	141												
25			25	62	129											
35				9	49	107										
50					17	57	125									
63						23	61	115								
80							27	56	123							
100			5)				3	24	55	127						
125									21	48	101					
160										19	41	74				
200										7	25	47	85			
225											14	31	53	114		
250												7	19	36	78	
315														9	25	
400															4	3)
1)	See explanation below the tables															
2)	See explanation below the tables															



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**Terminal box size 100-61-30**

Current [A]	Cross section [mm <sup>2</sup> ]															
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240	
6	162															
10	60	110	207													
16	25	67	118	255	4)											
20		32	71	122												
25			21	54	113											
35				8	43	93										
50					15	49	109									
63						20	53	100								
80							24	49	107							
100			5)				2	21	48	110						
125									18	42	88					
160										16	36	65				
200										6	22	41	74			
225											12	27	46	100		
250												6	17	31	68	
315														8	22	
400															3	3)
1)	See explanation below the tables															
2)	See explanation below the tables															

**Terminal box size 100-80-30**

Current [A]	Cross section [mm <sup>2</sup> ]															
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240	
6	182															
10	67	123	232													
16	28	75	133	286	4)											
20		36	80	137												
25			24	60	126											
35				9	48	105										
50					17	55	122									
63						22	59	113								
80							27	55	120							
100			5)				3	24	54	124						
125									20	47	98					
160										18	40	73				
200										7	24	46	83			
225											13	30	52	112		
250												7	19	35	76	
315														9	25	
400															4	3)
1)	See explanation below the tables															
2)	See explanation below the tables															



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**Terminal box size 100-100-30**

Current [A]	Cross section [mm <sup>2</sup> ]															
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240	
6	197															
10	73	134	251													
16	30	81	143	309	4)											
20		39	86	148												
25			26	65	137											
35				10	52	113										
50					18	60	132									
63						24	64	122								
80							29	59	129							
100			5)				3	25	58	134						
125									22	52	107					
160										20	43	79				
200										7	26	50	90			
225											14	33	56	121		
250												7	20	38	83	
315														9	27	
400															4	3)
1)	See explanation below the tables															
2)	See explanation below the tables															

**Terminal box size 120-61-30**

Current [A]	Cross section [mm <sup>2</sup> ]															
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240	
6	165															
10	61	112	210													
16	25	68	120	259	4)											
20		33	72	124												
25			22	55	114											
35				8	44	95										
50					15	50	110									
63						20	53	102								
80							24	49	108							
100			5)				2	21	49	112						
125									18	42	89					
160										16	36	66				
200										6	22	41	76			
225											12	27	47	101		
250												6	17	31	69	
315														8	22	
400															3	3)
1)	See explanation below the tables															
2)	See explanation below the tables															



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**Terminal box size 120-80-30**

Current [A]	Cross section [mm <sup>2</sup> ]															
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240	
6	188															
10	69	128	240													
16	29	77	137	195	4)											
20		37	83	142												
25			25	62	131											
35				9	50	108										
50					17	57	126									
63						23	61	116								
80							28	57	124							
100			5)				3	24	56	128						
125									21	49	102					
160										19	41	75				
200										7	25	47	86			
225											14	31	53	116		
250												7	1	936	79	
315														9	26	
400															4	3)
1)	See explanation below the tables															
2)	See explanation below the tables															

**Terminal box size 120-91-30**

Current [A]	Cross section [mm <sup>2</sup> ]															
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240	
6	200															
10	74	136	254													
16	31	82	146	314	4)											
20		40	88	151												
25			27	66	139											
35				10	53	115										
50					18	61	134									
63						24	65	124								
80							29	60	131							
100			5)				3	26	59	136						
125									22	52	108					
160										20	44	80				
200										8	27	50	92			
225											15	33	57	123		
250												7	20	38	84	
315														9	27	
400															4	3)
1)	See explanation below the tables															
2)	See explanation below the tables															



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**Terminal box size 120-100-30**

Current [A]	Cross section [mm <sup>2</sup> ]															
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240	
6	207															
10	77	141	264													
16	32	85	151	325	4)											
20		41	91	156												
25			28	69	144											
35				10	55	119										
50					19	63	139									
63						25	67	128								
80							31	62	136							
100			5)				3	27	61	141						
125									23	52	112					
160										21	46	83				
200										8	28	52	95			
225											15	35	59	127		
250												8	21	40	87	
315														10	28	
400															4	3)
1)	See explanation below the tables															
2)	See explanation below the tables															

**Terminal box size 120-120-30**

Current [A]	Cross section [mm <sup>2</sup> ]															
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240	
6	222															
10	82	150	282													
16	34	91	161	348	4)											
20		44	97	167												
25			30	73	154											
35				11	59	128										
50					20	67	149									
63						27	72	137								
80							33	67	146							
100			5)				3	29	65	151						
125									25	57	120					
160										22	49	89				
200										8	30	56	102			
225											16	37	63	136		
250												8	23	42	93	
315														10	30	
400															4	3)
1)	See explanation below the tables															
2)	See explanation below the tables															





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**Terminal box size 152-91-40**

Current [A]	Cross section [mm <sup>2</sup> ]															
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240	
6	232															
10	86	157	295													
16	36	95	169	364	4)											
20		46	102	175												
25			31	77	161											
35				11	62	134										
50					21	71	156									
63						28	75	144								
80							34	70	153							
100			5)				3	30	69	158						
125									26	60	126					
160										23	51	93				
200										9	31	59	107			
225											17	39	66	143		
250												9	24	45	97	
315														11	32	
400															5	3)
1)	See explanation below the tables															
2)	See explanation below the tables															

**Terminal box size 160-100-40**

Current [A]	Cross section [mm <sup>2</sup> ]															
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240	
6	244															
10	90	165	310													
16	38	100	178	382	4)											
20		48	107	184												
25			32	81	169											
35				12	65	140										
50					22	74	163									
63						30	79	151								
80							36	73	160							
100			5)				4	32	72	166						
125									27	63	132					
160										25	54	97				
200										9	33	62	112			
225											18	41	69	150		
250												9	25	47	102	
315														12	33	
400															5	3)
1)	See explanation below the tables															
2)	See explanation below the tables															



# IECEX Certificate of Conformity



**Certificate No.:** IECEx BVS 16.0080X issue No.: 5  
**Annex**  
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Terminal box size 160-120-40

Current [A]	Cross section [mm <sup>2</sup> ]															
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240	
6	265															
10	98	180	337													
16	41	109	193	415	4)											
20		53	116	200												
25			35	88	184											
35				13	70	152										
50					24	81	177									
63						32	86	164								
80							39	80	174							
100			5)				4	34	78	180						
125									29	68	143					
160										27	58	106				
200										10	36	67	121			
225											19	44	75	163		
250												10	27	51	111	
315														13	36	
400															5	3)
1)	See explanation below the tables															
2)	See explanation below the tables															

- 1) Maximum number of terminals depending on the above mentioned apparatus type and the built-in 2 wire terminals.
- 2) Maximum number of terminals depending on the above mentioned apparatus type and the max. number of conductors.
- 3) Maximum 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.

Listing of all components used referring to older standards

Subject and type	Certificate	Standards
Empty enclosure type Ex-Cell	IECEX BAS 15.0071U <sup>1</sup>	IEC 60079-0, Ed. 6.0 IEC 60079-7, Ed. 4.0 IEC 60079-31, Ed. 2.0

<sup>1</sup> No applicable technical differences

<sup>2</sup> Technical differences evaluated and found satisfactory