



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 16.0062X

Issue No: 3

Certificate history:

[Issue No. 3 \(2018-03-15\)](#)

[Issue No. 2 \(2017-07-17\)](#)

[Issue No. 1 \(2017-05-10\)](#)

[Issue No. 0 \(2016-09-20\)](#)

Status: **Current**

Page 1 of 4

Date of Issue: **2018-03-15**

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

Equipment: **Terminal box type S-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](#).

Certificate issued by:

DEKRA EXAM GmbH
Dinnendahlstrasse 9
44809 Bochum
Germany

 **DEKRA**
On the safe side.



IECEX Certificate of Conformity

Certificate No: IECEx BVS 16.0062X Issue No: 3
Date of Issue: 2018-03-15 Page 2 of 4
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/ExTR16.0062/03](#)

Quality Assessment Report:

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



IECEX Certificate of Conformity

Certificate No: IECEx BVS 16.0062X

Issue No: 3

Date of Issue: 2018-03-15

Page 3 of 4

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Subject and type:

See Annex

Description

The terminal box type S-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 S-TB * * * * * SL * * * * is separately tested and certified with IECEx CoC IECEx BVS 13.0025U and with ATEX Certificate BVS 13 ATEX E 015 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 intrinsically 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.



IECEX Certificate of Conformity

Certificate No: IECEX BVS 16.0062X

Issue No: 3

Date of Issue: 2018-03-15

Page 4 of 4

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_0062X_Cooper_Annex_Issue3.pdf](#)



IECEX Certificate of Conformity



Certificate No.: IECEx BVS 16.0062X, issue No.: 3
Annex
Page 1 of 13

Subject and type

Terminal box type S-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: 12 up to 60

- cc Width of the enclosure noted in cm ¹
Range: 12 up to 75

- dd Depth of the enclosure noted in cm ¹
Range: 7 up to 22

- 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



IECEX Certificate of Conformity



Certificate No.: IECEx BVS 16.0062X, issue No.: 3
Annex
Page 2 of 13

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 for		
		T6	T5	T4
12-12-07	40 °C	12.5	17.2	---
	50 °C	---	14.1	21.9
	55 °C	7.8	12.5	---
	80 °C	---	4.7	12.5
	100 °C	---	---	6.3
	110 °C	---	---	3.1
12-12-08	40 °C	13.0	17.9	---
	50 °C	---	14.6	22.7
	55 °C	8.1	13.0	---
	80 °C	---	4.9	13.0
	100 °C	---	---	6.5
	110 °C	---	---	3.2
12-12-09	40 °C	13.9	19.1	---
	50 °C	---	15.7	24.4
	55 °C	8.7	13.9	---
	80 °C	---	5.2	13.9
	100 °C	---	---	7.0
	110 °C	---	---	3.5
14-12-07	40 °C	14.0	19.3	---
	50 °C	---	15.8	24.6
	55 °C	8.8	14.0	---
	80 °C	---	5.3	14.0
	100 °C	---	---	7.0
	110 °C	---	---	3.5
15-12-08	40 °C	15.3	21.1	---
	50 °C	---	17.2	26.8
	55 °C	9.6	15.3	---
	80 °C	---	5.7	15.3
	100 °C	---	---	7.7
	110 °C	---	---	3.8
15-15-09	40 °C	19.1	26.3	---
	50 °C	---	21.5	33.5
	55 °C	12.0	19.1	---
	80 °C	---	7.2	19.1
	100 °C	---	---	9.6
	110 °C	---	---	4.8

Certificate No.: **IECEX BVS 16.0062X, issue No.: 3**
Annex
Page 3 of 13

Terminal box size	T _{amb,max}	Maximum permitted dissipation power for		
		T6	T5	T4
16-38-12	40 °C	48.6	66.8	---
	50 °C	---	54.6	85.0
	55 °C	30.4	48.6	---
	80 °C	---	18.2	48.6
	100 °C	---	---	24.3
	110 °C	---	---	12.1
17-12-09	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	---	---	9.0
	110 °C	---	---	4.5
18-12-07	40 °C	17.1	23.4	---
	50 °C	---	19.2	29.8
	55 °C	10.7	17.1	---
	80 °C	---	6.4	17.1
	100 °C	---	---	8.5
	110 °C	---	---	4.3
19-15-09	40 °C	22.9	31.4	---
	50 °C	---	25.7	40.0
	55 °C	14.3	22.9	---
	80 °C	---	8.6	22.9
	100 °C	---	---	11.4
	110 °C	---	---	5.7
19-19-10	40 °C	28.7	39.4	---
	50 °C	---	32.2	50.1
	55 °C	17.9	28.7	---
	80 °C	---	10.7	28.7
	100 °C	---	---	14.3
	110 °C	---	---	7.2
22-12-09	40 °C	22.0	30.3	---
	50 °C	---	24.8	38.6
	55 °C	13.8	22.0	---
	80 °C	---	8.3	22.0
	100 °C	---	---	11.0
	110 °C	---	---	5.5
25-25-12	40 °C	47.4	65.1	---
	50 °C	---	53.3	82.9
	55 °C	29.6	47.4	---
	80 °C	---	17.8	47.4
	100 °C	---	---	23.7
	110 °C	---	---	11.8
25-40-13	40 °C	71.3	98.1	---
	50 °C	---	80.3	124.8
	55 °C	44.6	71.3	---
	80 °C	---	26.8	71.3
	100 °C	---	---	35.7
	110 °C	---	---	17.8



IECEX Certificate of Conformity



Certificate No.: **IECEX BVS 16.0062X, issue No.: 3**
Annex
Page 4 of 13

Terminal box size	T _{amb,max}	Maximum permitted dissipation power for		
		T6	T5	T4
27-12-09	40 °C	26.1	35.9	---
	50 °C	---	29.4	45.7
	55 °C	16.3	26.1	---
	80 °C	---	9.8	26.1
	100 °C	---	---	13.1
	110 °C	---	---	6.5
30-26-10	40 °C	51.6	71.0	---
	50 °C	---	58.1	90.3
	55 °C	32.3	51.6	---
	80 °C	---	19.4	51.6
	100 °C	---	---	25.8
	110 °C	---	---	12.9
30-30-20	40 °C	81.2	111.7	---
	50 °C	---	91.4	142.1
	55 °C	50.8	81.2	---
	80 °C	---	30.5	81.2
	100 °C	---	---	40.6
	110 °C	---	---	20.3
34-34-15	40 °C	84.1	115.7	---
	50 °C	---	94.7	147.2
	55 °C	52.6	84.1	---
	80 °C	---	31.6	84.1
	100 °C	---	---	42.1
	110 °C	---	---	21.0
34-55-15	40 °C	123.9	170.4	---
	50 °C	---	139.4	216.9
	55 °C	77.5	123.9	---
	80 °C	---	46.5	123.9
	100 °C	---	---	62.0
	110 °C	---	---	31.0
34-75-15	40 °C	161.8	222.5	---
	50 °C	---	182.0	283.2
	55 °C	101.1	161.8	---
	80 °C	---	60.7	161.8
	100 °C	---	---	80.9
	110 °C	---	---	40.5
37-33-10	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
38-30-22	40 °C	101.9	140.1	---
	50 °C	---	114.7	178.4
	55 °C	63.7	101.9	---
	80 °C	---	38.2	101.9
	100 °C	---	---	51.0
	110 °C	---	---	25.5

Certificate No.: IECEx BVS 16.0062X, issue No.: 3
Annex
 Page 5 of 13

Terminal box size	T _{amb,max}	Maximum permitted dissipation power for		
		T6	T5	T4
38-38-22	40 °C	120.5	165.7	---
	50 °C	---	135.5	210.8
	55 °C	75.3	120.5	---
	80 °C	---	45.2	120.5
	100 °C	---	---	60.2
	110 °C	---	---	30.1
40-60-12	40 °C	139.2	191.4	---
	50 °C	---	156.6	243.6
	55 °C	87.0	139.2	---
	80 °C	---	52.2	139.2
	100 °C	---	---	69.6
	110 °C	---	---	34.8
48-48-20	40 °C	163.3	224.6	---
	50 °C	---	183.7	285.8
	55 °C	102.1	163.3	---
	80 °C	---	61.2	163.3
	100 °C	---	---	81.7
	110 °C	---	---	40.8
60-40-20	40 °C	177.9	244.6	---
	50 °C	---	200.1	311.3
	55 °C	111.2	177.9	---
	80 °C	---	66.7	177.9
	100 °C	---	---	88.9
	110 °C	---	---	44.5

The lower ambient temperature range depends on the used sealing material

T_{amb,min} = -40 °C (flat gasket 1)

T_{amb,min} = -55 °C (standard)

Thermal parameters for each size of terminal box

Terminal box size 12-12-07

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	38			4)												
10	13	25	99													
16	5	15	28													
20		7	16	31												
25			4	12												3)
35																
50		5)														
1)	See explanation below the tables															
2)	See explanation below the tables															

Terminal box size 12-12-08

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	40			4)												
10	13	26	103													
16	5	15	29													
20		7	17	32												
25			5	12												3)
35		5)														
1)	See explanation below the tables															
2)	See explanation below the tables															

Certificate No.: IECEx BVS 16.0062X, issue No.: 3
Annex
Page 6 of 13

Terminal box size 12-12-09

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	42			4)											
10	14	28	110												
16	6	16	32												
20		7	18	35											
25			5	13											
35				2											3)
50															
63			5)												
1)	See explanation below the tables														
2)	See explanation below the tables														

Terminal box size 14-12-07

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	39														
10	13	26	102		4)										
16	5	15	29												
20		7	16	32											
25			5	12	31										
35					10										
50					3										3)
63			5)												
1)	See explanation below the tables														
2)	See explanation below the tables														

Terminal box size 15-12-08

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	41														
10	14	27	107		4)										
16	5	16	31												
20		7	17	34											
25			5	13	33										
35				2	10	27									
50					3	12									
63						4									3)
80			5)												
1)	See explanation below the tables														
2)	See explanation below the tables														

Terminal box size 15-15-09

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	47														
10	16	31	121		4)										
16	6	18	35												
20		8	20	38											
25			5	15	37										
35				2	12	31									
50					4	14									
63						5									3)
80			5)												
1)	See explanation below the tables														
2)	See explanation below the tables														



IECEX Certificate of Conformity



Certificate No.: IECEx BVS 16.0062X, issue No.: 3
Annex
Page 7 of 13

Terminal box size 16-38-12

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	61														
10	21	40	158		4)										
16	8	23	46												
20		11	26	50											
25			7	19	48										
35				2	16	40									
50					5	18	66								
63						7	20	74							
80			5)				9	19							
100							8	20							
125								6	17						
160									6	15					
200									2	8					
225										4					3)
250															
1)	See explanation below the tables														
2)	See explanation below the tables														

Terminal box size 17-12-09

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	45														
10	15	30	116		4)										
16	6	17	33												
20		8	19	36											
25			5	14	35										
35				2	11	29									
50					4	13									
63						5									3)
80			5)												
1)	See explanation below the tables														
2)	See explanation below the tables														

Terminal box size 18-12-07

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	41														
10	14	27	106		4)										
16	5	16	30												
20		7	17	33											
25			5	13	32										
35					10										
50					3										3)
63															
80			5)												
1)	See explanation below the tables														
2)	See explanation below the tables														



IECEX Certificate of Conformity



Certificate No.: IECEx BVS 16.0062X, issue No.: 3
Annex
Page 8 of 13

Terminal box size 19-05-09

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	49														
10	16	32	127		4)										
16	7	19	36												
20		9	21	40											
25			6	15	39										
35				2	12	32									
50					4	15	53								
63						5	16								
80			5)				7								3)
100															
1)	See explanation below the tables														
2)	See explanation below the tables														

Terminal box size 19-19-10

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	55														
10	19	37	143		4)										
16	8	21	41												
20		10	23	45											
25			7	17	44										
35				2	14	36									
50					4	17	60								
63						6	18								
80			5)				8								3)
100															
1)	See explanation below the tables														
2)	See explanation below the tables														

Terminal box size 22-12-09

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	45														
10	15	30	118		4)										
16	6	17	34												
20		8	19	37											
25			5	14	36										
35				2	11	30									
50					4	14	49								
63						5	15	55							
80			5)				6	14							
100								5							3)
125															
1)	See explanation below the tables														
2)	See explanation below the tables														



IECEX Certificate of Conformity



Certificate No.: IECEx BVS 16.0062X, issue No.: 3
Annex
Page 9 of 13

Terminal box size 25-25-12

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	70														
10	24	46	180		4)										
16	10	27	52												
20		12	29	57											
25			8	22	55										
35				3	18	46									
50					6	21	75								
63						8	23	84							
80			5)				10	22							
100								9							3)
125															
1)	See explanation below the tables														
2)	See explanation below the tables														

Terminal box size 25-40-13

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	79														
10	27	52	203		4)										
16	11	30	59												
20		14	33	64											
25			9	25	62										
35				3	20	52									
50					7	24	85								
63						9	26	95							
80			5)				11	25							
100								10	25						
125									8	22					
160										8	19				
200											3	11			
225												6			3)
250															
1)	See explanation below the tables														
2)	See explanation below the tables														

Terminal box 27-12-09

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	46														
10	15	30	119		4)										
16	6	17	34												
20		8	29	37											
25			5	14	36										
35				2	12	30									
50					4	14	50								
63						5	15	55							
80			5)				6	14							
100								6							3)
125															
1)	See explanation below the tables														
2)	See explanation below the tables														

Certificate No.: IECEx BVS 16.0062X, issue No.: 3
Annex
Page 10 of 13

Terminal box size 30-26-10

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	68														
10	23	45	175		4)										
16	9	26	51												
20		12	28	55											
25			8	21	54										
35				3	17	44									
50					6	20	73								
63						8	23	82							
80			5)				9	21							
100								8							3)
125															
1)	See explanation below the tables														
2)	See explanation below the tables														

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	100														
10	34	66	257		4)										
16	14	38	74												
20		18	42	81											
25			12	32	79										
35				4	26	65									
50					8	30	108								
63						11	34	121							
80			5)				14	32							
100								13	32						
125									11						3)
160															
1)	See explanation below the tables														
2)	See explanation below the tables														

Terminal box size 34-34-15

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	91														
10	31	60	235		4)										
16	13	35	68												
20		16	38	74											
25			11	29	72										
35				4	23	60									
50					8	28	99								
63						10	31	110							
80			5)				13	29							
100								11	29						
125									10	26					
160										9					
200										3					3)
225															
1)	See explanation below the tables														
2)	See explanation below the tables														



IECEX Certificate of Conformity



Certificate No.: IECEx BVS 16.0062X, issue No.: 3
Annex
Page 11 of 13

Terminal box size 34-55-15

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	100														
10	34	66	258		4)										
16	14	39	75												
20		18	42	81											
25			12	32	79										
35				4	26	65									
50					8	30	108								
63						11	34	121							
80			5)				14	32							
100								13	32						
125								11	28						
160									10	24	76				
200									3	14	30				
225										7	18	38			
250											3	11	22		
315														5	15
400															2
1)	See explanation below the tables														
2)	See explanation below the tables														

Terminal box size 34-75-15

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	102														
10	35	68	264		4)										
16	14	40	76												
20		19	43	83											
25			12	33	81										
35				4	26	67									
50					9	31	111								
63						12	34	124							
80			5)				15	33							
100								13	33						
125								11	29						
160									10	25	78				
200									4	14	30				
225										7	18	36			
250											4	11	23		
315														5	16
400															2
1)	See explanation below the tables														
2)	See explanation below the tables														

Terminal box size 37-33-10

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	78														
10	26	52	201		4)										
16	11	30	58												
20		14	33	63											
25			9	25	62										
35				3	20	51									
50					6	23	84								
63						9	26	94							
80			5)				11	25							
100								10							3)
125															
1)	See explanation below the tables														
2)	See explanation below the tables														

Certificate No.: IECEx BVS 16.0062X, issue No.: 3
Annex
Page 12 of 13

Terminal box size 38-30-22

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	110														
10	37	73	283		4)										
16	15	42	82												
20		20	46	89											
25			13	35	87										
35				5	28	72									
50					9	33	119								
63						13	37	133							
80			5)				16	35							
100								14	35						
125									12	31					
160										11	27				
200										4	15				
225											8				3)
250															
1)	See explanation below the tables														
2)	See explanation below the tables														

Terminal box size 38-38-22

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	302		4)										
16	16	45	87												
20		212	49	95											
25			14	37	93										
35				5	30	77									
50					10	35	126								
63						13	39	142							
80			5)				17	37							
100								15	38						
125									13	33					
160										12	29				
200										4	16				
225											8				3)
250															
1)	See explanation below the tables														
2)	See explanation below the tables														

Terminal box size 40-60-12

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	24				
200										4	14				
225											7				3)
250															
1)	See explanation below the tables														
2)	See explanation below the tables														

Certificate No.: IECEx BVS 16.0062X, issue No.: 3
Annex
Page 13 of 13

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	125														
10	43	83	324		4)										
16	18	48	94												
20		23	53	102											
25			15	40	99										
35				6	32	82									
50					11	38	136								
63						14	42	152							
80			5)				18	40							
100							2	16	40						
125									14	36					
160										13	31	95			
200										4	18	37			
225											9	23	47		
250												4	13	28	
315														6	19
400															2
1)	See explanation below the tables														
2)	See explanation below the tables														

Terminal box size 60-40-22

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	128														
10	44	85	332		4)										
16	18	50	96												
20		23	54	105											
25			16	41	102										
35				6	33	84									
50					11	39	139								
63						15	43	156							
80			5)				18	41							
100							2	16	41						
125									14	36					
160										13	32	98			
200										5	18	38			
225											9	23	49		
250												5	14	29	
315														6	20
400															2
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.