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

Certificate No.: **IECEx BVS 16.0062X**

Page 1 of 4

Certificate history:
Issue 3 (2018-03-15)
Issue 2 (2017-07-17)
Issue 1 (2017-05-10)
Issue 0 (2016-09-20)

Status: **Current**

Issue No: 4

Date of Issue: 2019-11-28

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

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

Optional accessory:

Type of Protection: **Protection by Enclosure "t", 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 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.

IECEx Certificate of Conformity

Certificate No.: **IECEx BVS 16.0062X**

Date of issue: 2019-11-28

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

Additional manufacturing locations:

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

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

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 60079-0:2011 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 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/ExTR16.0062/04

Quality Assessment Reports:

DE/BVS/QAR11.0009/09
GB/BAS/QAR06.0048/08
GB/BAS/QAR07.0041/09
GB/BAS/QAR16.0002/02

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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 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.

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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)
New manufacturing locations with GB/BAS/QAR16.0002/02 and GB/BAS/QAR07.0041/09 added

Annex:

BVS_16_0062X_Cooper_Annex_Issue4.pdf

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Certificate No.: **IECEx BVS 16.0062X issue No.: 4**
Annex

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

Parameters

Electrical parameters

Rated voltage [1]	AC / DC	690	V
Rated current [2]	up to	400	A
Cross section [3]	up to	240	mm²

[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

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

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

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 [mm²]															
	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 [mm²]															
	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															

Terminal box size 12-12-09

Current [A]	Cross section [mm²]															
	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 [mm²]															
	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 [mm²]															
	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 [mm²]															
	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															

Terminal box size 16-38-12

Current [A]	Cross section [mm²]															
	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 [mm²]															
	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 [mm²]															
	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															

Terminal box size 19-05-09

Current [A]	Cross section [mm²]															
	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 [mm²]															
	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 [mm²]															
	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															

Terminal box size 25-25-12

Current [A]	Cross section [mm²]															
	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 [mm²]															
	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 [mm²]															
	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															

Terminal box size 30-26-10

Current [A]	Cross section [mm²]															
	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 [mm²]															
	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 [mm²]															
	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															

Terminal box size 34-55-15

Current [A]	Cross section [mm²]															
	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	**3)**
1)	See explanation below the tables															
2)	See explanation below the tables															

Terminal box size 34-75-15

Current [A]	Cross section [mm²]															
	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	**3)**
1)	See explanation below the tables															
2)	See explanation below the tables															

Terminal box size 37-33-10

Current [A]	Cross section [mm²]															
	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															

Terminal box size 38-30-22

Current [A]	Cross section [mm²]															
	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 [mm²]															
	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 [mm²]															
	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															

Terminal box size 48-48-20

Current [A]	Cross section [mm²]															
	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	**3)**
1)	See explanation below the tables															
2)	See explanation below the tables															

Terminal box size 60-40-22

Current [A]	Cross section [mm²]															
	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	**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 is this area requires separate temperature rise tests for each different variant of installation.