

Translation

EU-Type Examination Certificate

Equipment intended for use in potentially explosive atmospheres
Directive 2014/34/EU

EU-Type Examination Certificate Number: **BVS 16 ATEX E 115 X**

Product: **Terminal box type Ex-Cell-T * * * * * or type XL-T * * * * * ***

Manufacturer: **Cooper Crouse-Hinds GmbH**

Address: **Neuer Weg Nord 49, 69412 Eberbach, Germany**

This product and any acceptable variations thereto are specified in the appendix to this certificate and the documents referred to therein.

DEKRA EXAM GmbH, Notified Body number 0158, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in the confidential Report No. BVS PP 16.2191 EU.

Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0:2012 + A11:2013	General requirements
EN 60079-7:2007	Increased Safety "e"
EN 60079-31:2014	Protection by Enclosure "t"

If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Special Conditions for Use specified in the appendix to this certificate.

This EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

The marking of the product shall include the following:

	II 2G Ex e IIC T* Gb	or		II 2G Ex eb IIC T*
	II 2D Ex tb IIIC T*°C Db			II 2D 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.

DEKRA EXAM GmbH
Bochum, 2016-11-15

Signed: Dr. Franz Eickhoff

Signed: Dr. Michael Wittler

Certifier

Approver

13 **Appendix**

14 **EU-Type Examination Certificate**
BVS 16 ATEX E 115 X

15 **Product description**

15.1 **Subject and type**

Terminal box type Ex-Cell-T ^{aa bb cc dd e ff g} or type XL-T ^{aa bb cc dd e ff g}

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

bb Height of the enclosure noted in cm ¹
Range: 15 up to 160

cc Width of the enclosure noted in cm ¹
Range: 15 up to 120

dd Depth of the enclosure noted in cm ¹
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 ¹

- 1 Standard
- 2 Flat gasket
- 4 combination of Standard and Flat gasket

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

15.2 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 15.0077U and with ATEX Certificate BAS 15 ATEX 0099 U.

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

In case of intrinsic 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 intrinsic safe circuits to ground, between two different intrinsic safe circuits and between intrinsic and non-intrinsic safe circuits are taken into account during the installation of the terminals.

Listing of all components used referring to older standards

Subject and type	Certificate	Standards
Terminal type MSLKG 5	KEMA 00 ATEX 2100 U ¹	EN 60079-0:2006 EN 60079-7:2007
Terminal type SAK *	KEMA 97 ATEX 1798 U ¹	EN 60079-0:2006 EN 60079-7:2003
Terminal ZDU *	KEMA 97 ATEX 2521 U ¹	EN 60079-0:2006 EN 60079-7:2003

¹ No applicable technical differences

² Technical differences evaluated and found satisfactory

15.3 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
15-15-08	40 °C	18.0	24.7
	55 °C	11.2	18.0
22-15-12	40 °C	31.8	43.7
	55 °C	19.9	31.8
26-20-15	40 °C	47.6	65.5
	55 °C	29.8	47.6
26-26-15	40 °C	56.7	78.0
	55 °C	35.4	56.7
30-20-15	40 °C	53.9	74.2
	55 °C	33.7	53.9
30-26-15	40 °C	64.0	88.0
	55 °C	40.0	64.0
30-30-20	40 °C	84.2	115.8
	55 °C	52.7	84.2
40-30-20	40 °C	103.9	142.9
	55 °C	65.0	103.9

40-40-20	40 °C	127.5	175.3
	55 °C	79.7	127.5
40-50-20	40 °C	151.5	208.3
	55 °C	94.7	151.5
50-40-20	40 °C	151.5	208.3
	55 °C	94.7	151.1
50-60-20	40 °C	179.5	246.9
	55 °C	112.2	179.5
50-61-20	40 °C	207.6	285.4
	55 °C	129.7	207.6
61-40-20	40 °C	175.5	241.3
	55 °C	109.7	175.5
61-50-20	40 °C	207.6	285.4
	55 °C	129.7	207.6
61-61-20	40 °C	239.6	329.5
	55 °C	149.8	239.6
61-76-20	40 °C	287.4	395.2
	55 °C	179.6	287.4
76-50-25	40 °C	272.4	374.6
	55 °C	170.3	272.4
76-61-25	40 °C	312.4	429.5
	55 °C	195.2	312.4
76-76-25	40 °C	371.8	511.3
	55 °C	232.4	371.8
80-61-25	40 °C	325.0	446.9
	55 °C	203.1	325.0
80-80-30	40 °C	433.1	595.5
	55 °C	270.7	433.1
91-61-30	40 °C	392.7	540.0
	55 °C	245.4	392.7
91-76-30	40 °C	464.1	638.2
	55 °C	290.1	464.1
91-91-30	40 °C	536.0	737.0
	55 °C	335.0	536.0
100-61-30	40 °C	422.6	581.1
	55 °C	264.1	422.6
100-80-30	40 °C	518.1	712.4
	55 °C	323.8	518.1
100-100-30	40 °C	618.7	850.7
	55 °C	386.7	618.7
120-61-30	40 °C	493.0	677.9
	55 °C	308.1	493.0
120-80-30	40 °C	603.2	829.4
	55 °C	377.0	603.2
120-91-30	40 °C	669.9	921.1
	55 °C	418.7	669.9
120-100-30	40 °C	719.2	988.9
	55 °C	449.5	719.2
120-120-30	40 °C	835.2	1148.4
	55 °C	522.0	835.2
152-91-40	40 °C	916.4	1260.1
	55 °C	572.8	916.4
16-100-40	40 °C	1020.8	1403.6
	55 °C	638.0	1020.8
16-120-40	40 °C	1175.5	1616.3
	55 °C	734.7	1175.5

Thermal parameters for each size of terminal box

Terminal box size 15-15-08

Current [A]	Cross section [mm ²]														
	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 ²]														
	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 ²]														
	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														

Terminal box size 26-26-15

Current [A]	Cross section [mm ²]														
	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 ²]														
	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 ²]														
	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														

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
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 ²]														
	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 ²]														
	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														

Terminal box size 40-50-20

Current [A]	Cross section [mm ²]														
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240
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 ²]														
	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 50-50-20

Current [A]	Cross section [mm ²]														
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240
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 3)
1)	See explanation below the tables														
2)	See explanation below the tables														

Terminal box size 50-61-20

Current [A]	Cross section [mm ²]														
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240
6	136														
10	47	90	352												
16	19	53	102		4)										
20		25	58	111											
25			17	43	108										
35				6	35	89									
50					12	41	148								
63						16	46	165							
80							20	43							
100			5)				2	17	44						
125									15	39					
160										14	33	104			
200										5	19	41			
225											10	25	52		
250												5	15	31	
315														7	21
400															3 3)
1)	See explanation below the tables														
2)	See explanation below the tables														

Terminal box size 61-40-20

Current [A]	Cross section [mm ²]														
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240
6	125														
10	43	83	322												
16	17	48	93		4)										
20		23	53	102											
25			15	40	99										
35				6	32	82									
50					11	38	135								
63						14	42	151							
80							18	40							
100			5)					16	40						
125									14	35					
160										12	31	95			
200										4	17	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 61-50-20

Current [A]	Cross section [mm ²]														
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240
6	136														
10	47	90	352												
16	19	53	102		4)										
20		25	58	111											
25			17	43	108										
35				6	35	89									
50					12	41	148								
63						16	46	165							
80							20	43							
100			5)				2	17	44						
125									15	39					
160										14	33	104			
200										5	19	41			
225											10	25	52		
250												5	15	31	
315														7	21
400															3 3)
1)	See explanation below the tables														
2)	See explanation below the tables														

Terminal box size 61-61-20

Current [A]	Cross section [mm ²]														
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240
6	145														
10	49	96	374												
16	20	56	108		4)										
20		26	61	118											
25			18	46	115										
35				6	37	95									
50					12	44	157								
63						17	49	176							
80							21	46							
100			5)				2	18	47						
125									16	41					
160										15	36	110			
200										5	20	43			
225											11	26	55		
250												5	16	33	
315														7	22
400															3 3)
1)	See explanation below the tables														
2)	See explanation below the tables														

Terminal box size 61-76-20

Current [A]	Cross section [mm ²]														
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240
6	153														
10	52	102	396												
16	22	59	115		4)										
20		28	65	125											
25			19	49	122										
35				7	40	101									
50					13	47	166								
63						18	52	186							
80							22	49							
100			5)				2	20	50						
125									17	44					
160										15	38	117			
200										6	22	46			
225											11	28	58		
250												6	17	35	
315														7	24
400															3 3)
1)	See explanation below the tables														
2)	See explanation below the tables														

Terminal box size 76-50-25

Current [A]	Cross section [mm ²]														
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240
6	155														
10	53	103	400												
16	22	60	116		4)										
20		28	66	127											
25			19	49	123										
35				7	40	102									
50					13	47	168								
63						18	52	188							
80							22	49							
100			5)				2	20	50						
125									17	44					
160										16	38	118			
200										6	22	46			
225											11	28	59		
250												6	17	35	
315														7	24
400															3 3)
1)	See explanation below the tables														
2)	See explanation below the tables														

Terminal box size 76-61-25

Current [A]	Cross section [mm ²]														
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240
6	167														
10	57	111	431												
16	24	65	125		4)										
20		31	71	136											
25			21	53	132										
35				8	43	110									
50					14	51	181								
63						19	56	202							
80							24	53							
100			5)				2	21	54						
125									18	47					
160										17	41	127			
200										6	24	50			
225											12	30	63		
250												6	18	38	
315														8	26
400															3 3)
1)	See explanation below the tables														
2)	See explanation below the tables														

Terminal box size 76-76-25

Current [A]	Cross section [mm ²]														
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240
6	180														
10	62	120	464												
16	25	70	135		4)										
20		33	76	147											
25			22	57	143										
35				8	47	118									
50					16	55	195								
63						21	61	218							
80							26	57							
100			5)				2	23	58						
125									20	51					
160										18	44	137			
200										7	25	54			
225											13	33	68		
250												7	20	41	
315														9	28
400															4 3)
1)	See explanation below the tables														
2)	See explanation below the tables														



Terminal box size 80-61-25

Current [A]	Cross section [mm ²]														
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240
6	168														
10	58	112	435												
16	24	65	126		4)										
20		31	71	137											
25			21	54	134										
35				8	44	111									
50					15	51	182								
63						20	57	204							
80							24	54							
100			5)				2	22	54						
125									19	48					
160										17	41	128			
200										6	24	50			
225											12	31	64		
250												6	18	38	
315														8	26
400															3 3)
1)	See explanation below the tables														
2)	See explanation below the tables														

Terminal box size 80-80-30

Current [A]	Cross section [mm ²]														
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240
6	200														
10	68	133	515												
16	28	77	149		4)										
20		37	85	163											
25			25	64	159										
35				9	52	131									
50					17	61	216								
63						23	68	242							
80							29	64							
100			5)				3	26	65						
125									22	57					
160										20	49	152			
200										7	28	60			
225											15	36	76		
250												7	22	45	
315														10	31
400															4 3)
1)	See explanation below the tables														
2)	See explanation below the tables														

Terminal box size 91-61-30

Current [A]	Cross section [mm ²]														
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240
6	186														
10	65	124	481												
16	26	72	139		4)										
20		34	79	152											
25			23	59	148										
35				8	48	122									
50					16	57	202								
63						22	63	226							
80							27	59							
100			5)				2	24	60						
125									21	53					
160										19	46	142			
200										7	26	56			
225											14	34	71		
250												7	20	42	
315														9	29
400															4 3)
1)	See explanation below the tables														
2)	See explanation below the tables														

Terminal box size 91-76-30

Current [A]	Cross section [mm ²]														
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240
6	203														
10	70	135	525												
16	29	79	152		4)										
20		37	86	166											
25			25	65	161										
35				9	53	134									
50					18	62	220								
63						24	69	247							
80							29	65							
100			5)				3	26	66						
125									23	58					
160										21	50	155			
200										8	29	61			
225											15	37	77		
250												8	22	46	
315														10	32
400															4 3)
1)	See explanation below the tables														
2)	See explanation below the tables														

Terminal box size 91-91-30

Current [A]	Cross section [mm ²]														
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240
6	216														
10	74	144	558												
16	31	84	162		4)										
20		40	92	176											
25			27	69	172										
35				10	56	142									
50					19	66	234								
63						25	73	262							
80							31	69							
100			5)				3	28	70						
125									24	62					
160										22	53	165			
200										8	31	65			
225											16	39	82		
250												8	24	49	
315														11	34
400															4 3)
1)	See explanation below the tables														
2)	See explanation below the tables														

Terminal box size 100-61-30

Current [A]	Cross section [mm ²]														
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240
6	188														
10	64	125	486												
16	27	73	141		4)										
20		34	80	154											
25			23	60	149										
35				9	49	124									
50					16	57	204								
63						22	64	228							
80							27	60							
100			5)				3	24	61						
125									21	54					
160										19	46	143			
200										7	27	56			
225											14	34	71		
250												7	20	43	
315														9	29
400															4 3)
1)	See explanation below the tables														
2)	See explanation below the tables														



Terminal box size 100-80-30

Current [A]	Cross section [mm ²]														
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240
6	211														
10	72	140	545												
16	30	82	158		4)										
20		39	90	172											
25			26	67	168										
35				10	55	139									
50					18	65	229								
63						25	71	256							
80							31	67							
100			5)				3	27	68						
125									23	60					
160										21	52	161			
200										8	30	63			
225											16	38	80		
250												8	23	48	
315														10	33
400															4 3)
1)	See explanation below the tables														
2)	See explanation below the tables														

Terminal box size 100-100-30

Current [A]	Cross section [mm ²]														
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240
6	228														
10	78	152	589												
16	32	89	171		4)										
20		42	97	186											
25			28	73	181										
35				10	59	150									
50					20	70	247								
63						27	77	277							
80							33	73							
100			5)				3	29	74						
125									25	65					
160										23	56	174			
200										9	32	68			
225											17	42	87		
250												9	25	52	
315														11	36
400															5 3)
1)	See explanation below the tables														
2)	See explanation below the tables														

Terminal box size 120-61-30

Current [A]	Cross section [mm ²]														
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240
6	191														
10	65	127	493												
16	27	74	143		4)										
20		35	81	156											
25			24	61	152										
35				9	49	126									
50					17	58	207								
63						22	65	232							
80							28	61							
100			5)				3	24	62						
125									21	54					
160										19	47	149			
200										7	27	57			
225											14	35	72		
250												7	21	43	
315														9	30
400															4 3)
1)	See explanation below the tables														
2)	See explanation below the tables														

Terminal box size 120-80-30

Current [A]	Cross section [mm ²]														
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240
6	218														
10	75	145	563												
16	31	85	163		4)										
20		40	93	178											
25			27	70	173										
35				10	56	143									
50					19	67	236								
63						25	74	265							
80							32	70							
100			5)				3	28	71						
125									24	62					
160										22	54	166			
200										8	31	65			
225											16	40	83		
250												8	24	49	
315														11	34
400															5 3)
1)	See explanation below the tables														
2)	See explanation below the tables														

Terminal box size 120-91-30

Current [A]	Cross section [mm ²]														
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240
6	232														
10	79	154	598												
16	33	90	173		4)										
20		43	98	189											
25			29	74	184										
35				11	60	152									
50					20	71	251								
63						27	78	281							
80							34	74							
100			5)				3	30	75						
125									28	66					
160										24	57	177			
200										9	33	69			
225											17	42	88		
250												9	25	52	
315														11	36
400															5 3)
1)	See explanation below the tables														
2)	See explanation below the tables														

Terminal box size 120-100-30

Current [A]	Cross section [mm ²]														
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240
6	240														
10	82	160	620												
16	34	93	180		4)										
20		44	102	196											
25			30	77	191										
35				11	62	158									
50					21	73	260								
63						28	81	291							
80							35	77							
100			5)				3	31	78						
125									27	69					
160										24	59	183			
200										9	34	72			
225											18	44	91		
250												9	26	54	
315														12	37
400															5 3)
1)	See explanation below the tables														
2)	See explanation below the tables														



Terminal box size 120-120-30

Current [A]	Cross section [mm ²]														
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240
6	257														
10	88	171	663												
16	36	100	192		4)										
20		47	109	210											
25			32	82	204										
35				12	67	169									
50					22	78	278								
63						30	87	311							
80							37	82							
100			5)				4	33	83						
125									29	73					
160										26	63	196			
200										10	36	77			
225											19	47	91		
250												10	28	58	
315														13	40
400															5 3)
1)	See explanation below the tables														
2)	See explanation below the tables														

Terminal box size 152-91-40

Current [A]	Cross section [mm ²]														
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240
6	269														
10	92	179	694												
16	38	104	201		4)										
20		50	114	220											
25			33	86	214										
35				12	70	177									
50					23	82	291								
63						31	91	326							
80							39	86							
100			5)				4	35	87						
125									30	77					
160										27	67	205			
200										10	38	80			
225											20	49	102		
250												10	29	61	
315														13	42
400															6 3)
1)	See explanation below the tables														
2)	See explanation below the tables														

Terminal box size 160-100-40

Current [A]	Cross section [mm ²]														
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240
6	282														
10	97	188	728												
16	40	110	211		4)										
20		52	120	231											
25			35	90	224										
35				13	73	186									
50					25	86	306								
63						33	96	342							
80							41	90							
100			5)				4	36	92						
125									31	81					
160										29	70	215			
200										11	40	85			
225											21	51	107		
250												11	31	64	
315														14	44
400															6 3)
1)	See explanation below the tables														
2)	See explanation below the tables														

Terminal box size 160-120-40

Current [A]	Cross section [mm ²]															
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240	
6	307															
10	105	204	791													
16	44	119	230		4)											
20		57	130	251												
25			38	98	244											
35				14	80	202										
50					27	94	332									
63						36	104	372								
80							45	98								
100			5)				4	40	99							
125									34	88						
160										31	76	234				
200										12	44	92				
225											23	56	117			
250												12	34	70		
315														15	48	
400															7	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.

16 **Report Number**

BVS PP 16.2191 EU, as of 2016-11-15

17 **Special Conditions for Use**

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.

18 **Essential Health and Safety Requirements**

The Essential Health and Safety Requirements are covered by the standards listed under item 9.

19 **Drawings and Documents**

Drawings and documents are listed in the confidential report.

We confirm the correctness of the translation from the German original.
In the case of arbitration only the German wording shall be valid and binding.

DEKRA EXAM GmbH
Bochum, dated 2016-11-15
BVS-Kir/Mu A 20160414



Certifier



Approver

