

EDK84VTCE222
13481657

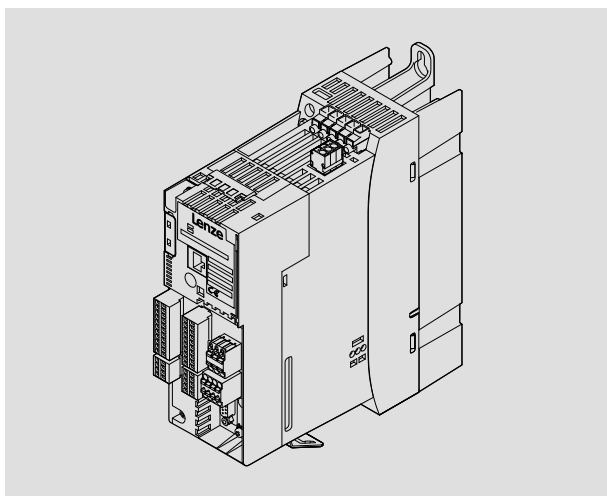


L-force *Drives*

安装指导

Mounting Instructions

8400 0.25 ... 3.0 kW



E84AVTCExxx TopLine C

变频器

Frequency Inverter

Lenze



Warnings!

Operation of this equipment requires detailed installation and operation instructions provided in the Hardware manual intended for use with this product. This information is provided on the CD-ROM included in the container this device was packaged in. It should be retained with this device at all times. A hard copy of this information may be ordered by phone or e-mail, printed on the back of this document.



危險!

危險电压

- ▶ 电源端子X100 和 X105 在电源断开 3 分钟之内会继续保持危险电压。

可能的后果:

- ▶ 如果触到电源端子，可能会造成死亡或严重受伤

保护措施:

- ▶ 切断电源电压，再开始操作设备之前等待至少3分钟。
- ▶ 检查所有电源端子都已不带电。

请也遵循 CD 光盘中有设备和安全技术的更多相关信息!



Danger!

Dangerous voltage

- ▶ The power terminals X100 and X105 carry dangerous voltages for up to 3 minutes after mains disconnection.

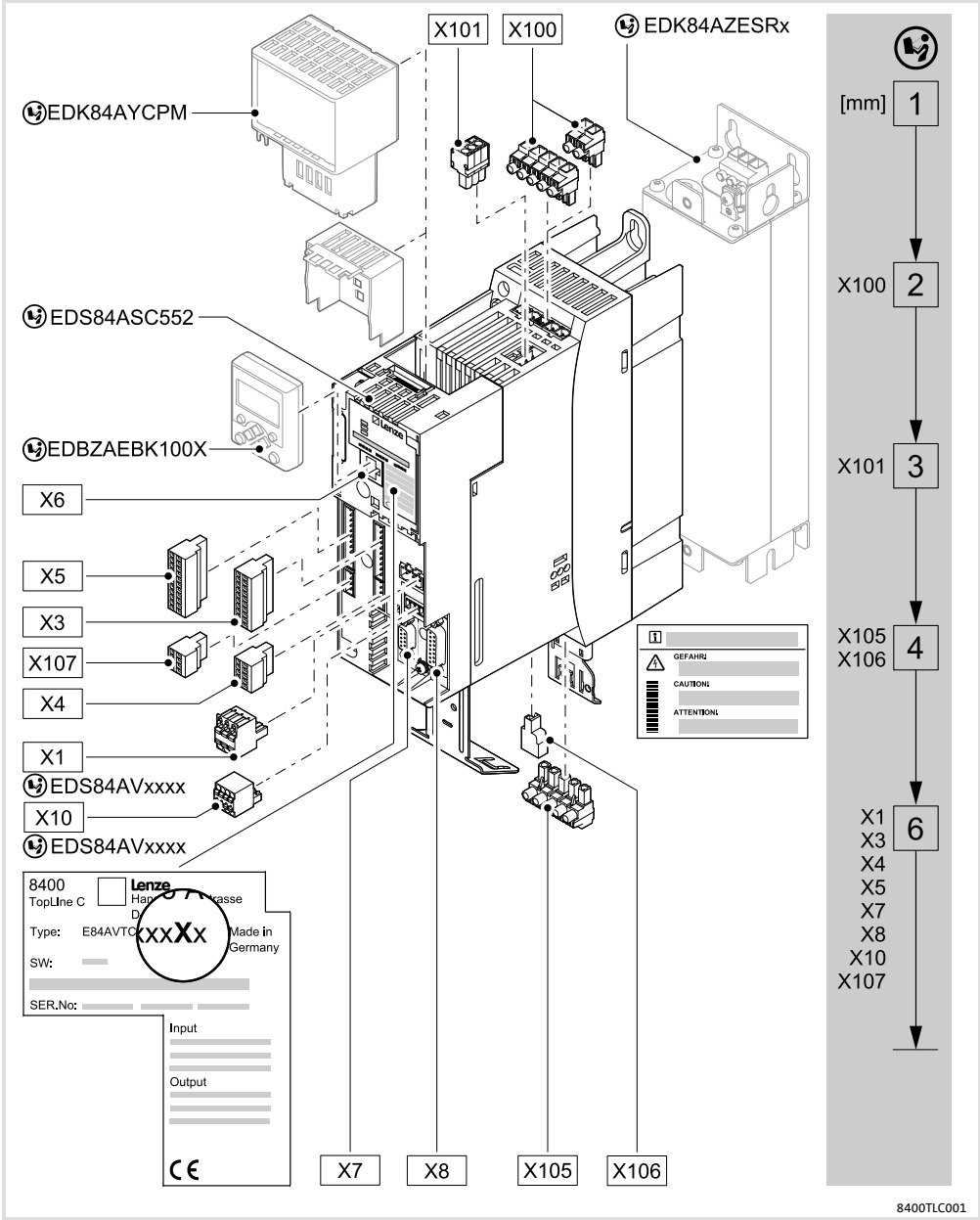
Possible consequences:

- ▶ Death or severe injury if the power terminals are touched.

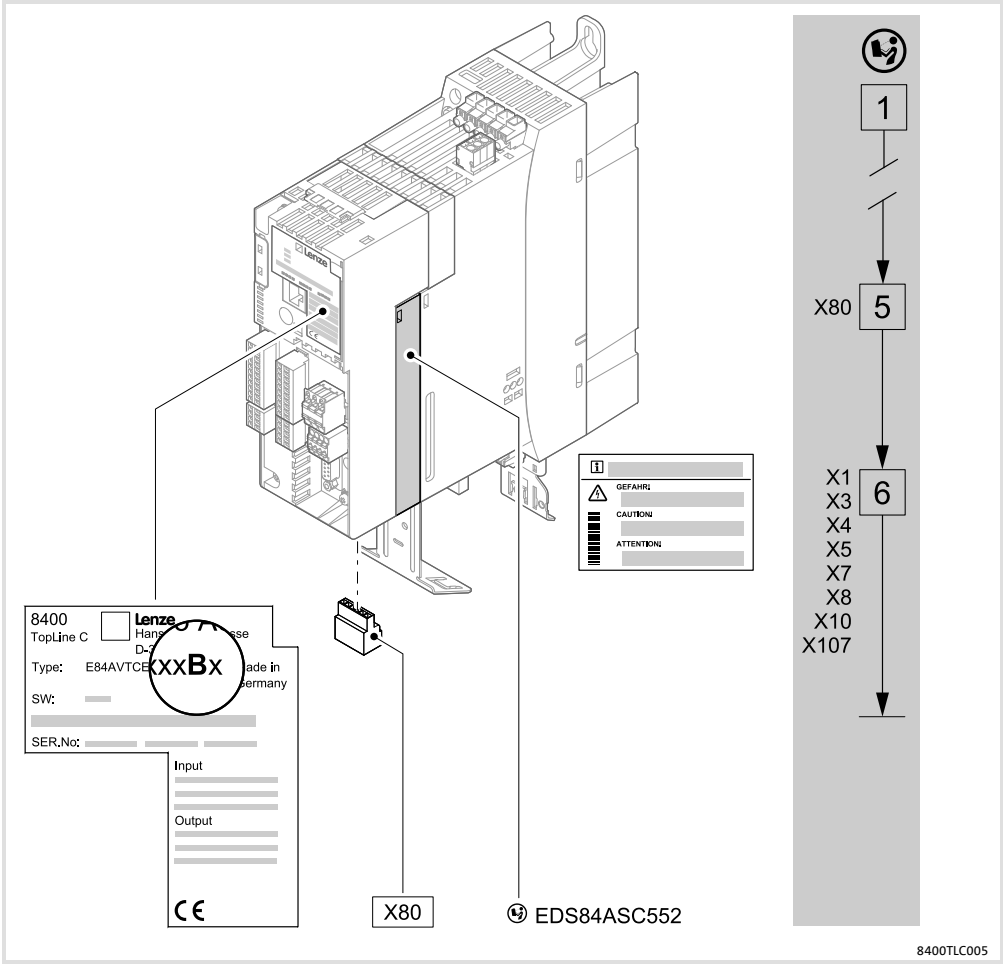
Protective measures:

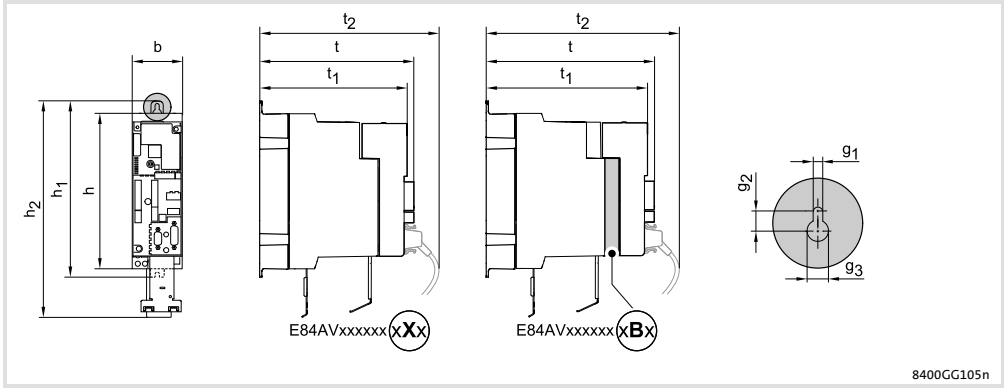
- ▶ Switch off the mains voltage and wait at least 3 minutes before starting to work on the device.
- ▶ Check that all power terminals are deenergised.

Please also observe more important information on device and safety technology provided on the enclosed CD-ROM!

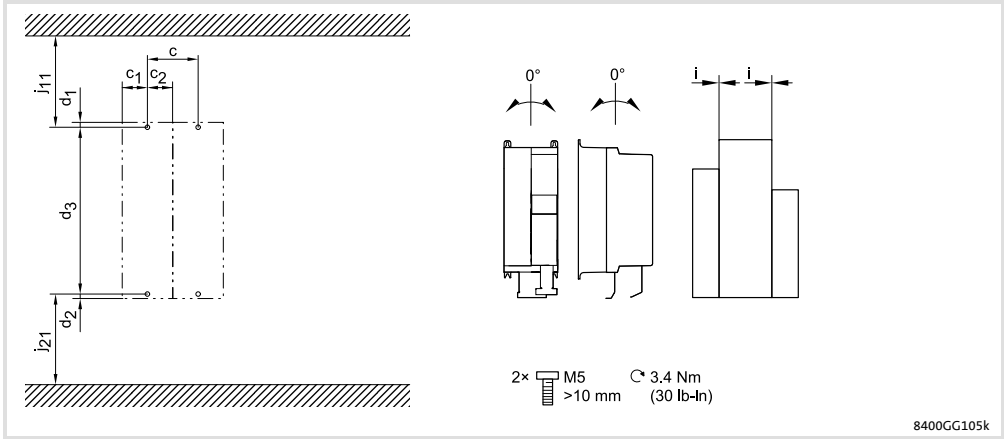


8400TLC001



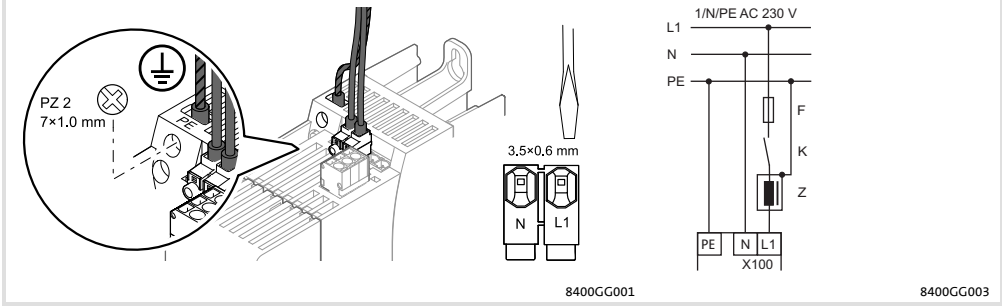


	[kW]	h	b	t	h ₁	h ₂	t ₁	t ₂	g ₁	g ₂	g ₃
		[mm]									
E84AVTCE2512xXX	0.25	215	70	214	244	285	201	240	6	11	12
E84AVTCE371xxXX	0.37										
E84AVTCE551xxXX	0.55										
E84AVTCE751xxXX	0.75										
E84AVTCE112xxXX	1.1	270	70	214	304	340	201	240	6	11	12
E84AVTCE152xxXX	1.5										
E84AVTCE222xxXX	2.2										
E84AVTCE3024xXS	3.0										
E84AVTCE2512xBx	0.25	215	70	234	244	285	221	260	6	11	12
E84AVTCE371xxBx	0.37										
E84AVTCE551xxBx	0.55										
E84AVTCE751xxBx	0.75										
E84AVTCE112xxBx	1.1	270	70	234	304	340	221	260	6	11	12
E84AVTCE152xxBx	1.5										
E84AVTCE222xxBx	2.2										
E84AVTCE3024xBs	3.0										

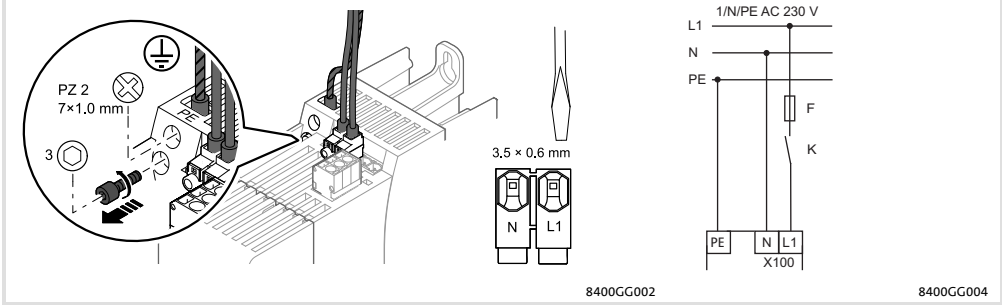


		d ₁	d ₂	d ₃	c	c ₁	c ₂	i	j ₁₁	j ₂₁	
	[kW]	[mm]									[kg]
E84AVTCE2512xXx	0.25	9	5	230	70	35	35	0	> 95	> 95	2.0
E84AVTCE371xxXx	0.37										
E84AVTCE551xxXx	0.55										
E84AVTCE751xxXx	0.75										
E84AVTCE112xxXx	1.1	8	10	285	70	35	35	0	> 95	> 95	2.3
E84AVTCE152xxXx	1.5										
E84AVTCE222xxXx	2.2										
E84AVTCE3024xXS	3.0										
E84AVTCE2512xBx	0.25	9	5	230	70	35	35	0	> 95	> 95	2.1
E84AVTCE371xxBx	0.37										
E84AVTCE551xxBx	0.55										
E84AVTCE751xxBx	0.75										
E84AVTCE112xxBx	1.1	8	10	285	70	35	35	0	> 95	> 95	2.4
E84AVTCE152xxBx	1.5										
E84AVTCE222xxBx	2.2										
E84AVTCE3024xBS	3.0										

X100 - TN, TT

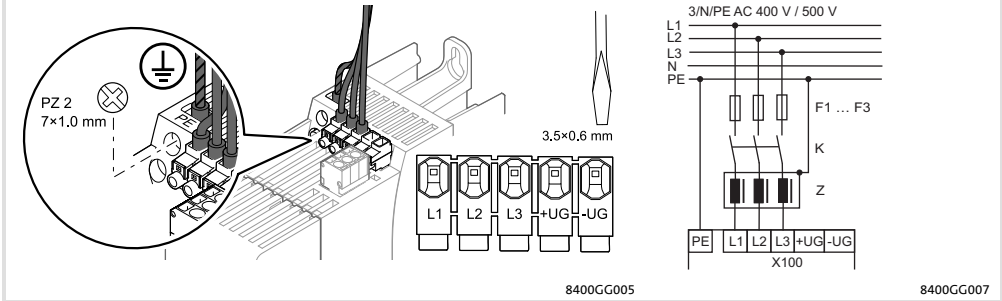


X100 - IT

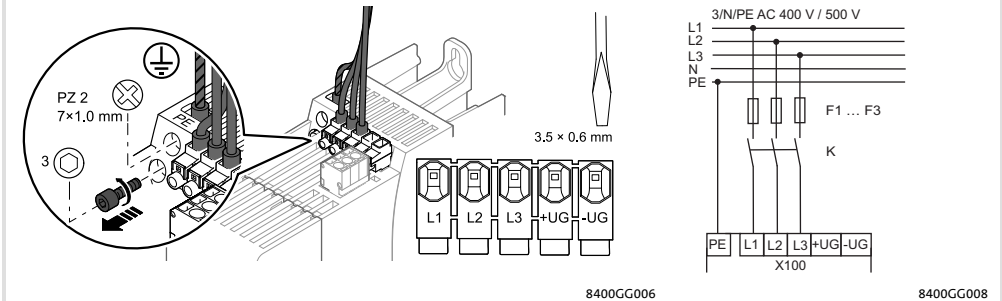


	F						L1, N			PE		
	EN 60204				UL							
	[A]		[A]		[A]	[A]	[mm²] [AWG]	[mm]	[Nm] [lb-in]	[mm²] [AWG]	[mm]	[Nm] [lb-in]
E84AVTCE2512	6	C6	6	C6	6	6	1 ... 2.5 18 ... 12	7	0.5 4.4	1 ... 6 18 ... 10	10	1.7 15
E84AVTCE3712	6	C6	6	C6	10	10	1 ... 2.5 18 ... 12	7	0.5 4.4	1 ... 6 18 ... 10	10	1.7 15
E84AVTCE5512	10	C10	10	C10	10	10	1 ... 2.5 18 ... 12	7	0.5 4.4	1 ... 6 18 ... 10	10	1.7 15
E84AVTCE7512	10	C10	10	C10	15	15	1 ... 2.5 18 ... 12	7	0.5 4.4	1 ... 6 18 ... 10	10	1.7 15
E84AVTCE1122	16	C16	16	C16	20	20	1 ... 6 18 ... 10	8	0.5 4.4	1 ... 6 18 ... 10	10	1.7 15
E84AVTCE1522	16	C16	20	C20	25	25	1 ... 6 18 ... 10	8	0.5 4.4	1 ... 6 18 ... 10	10	1.7 15
E84AVTCE2222	20	C20	25	C25	30	30	1 ... 6 18 ... 10	8	0.5 4.4	1 ... 6 18 ... 10	10	1.7 15

X100 - TN, TT



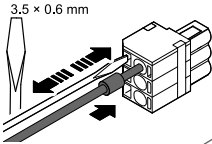
X100 - IT

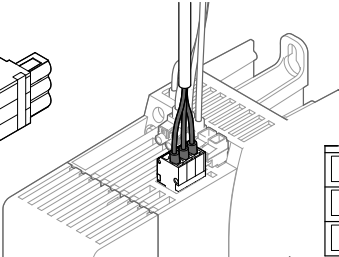


	F						L1, L2, L3			PE		
	EN 60204				UL							
	[A]		[A]		[A]	[A]	[mm ²] [AWG]	[mm]	[Nm] [lb-in]	[mm ²] [AWG]	[mm]	[Nm] [lb-in]
E84AVTCE3714	6	C6	6	C6	6	6	1 ... 2.5 18 ... 12	7	0.5 4.4	1 ... 6 18 ... 10	10	1.7 15
E84AVTCE5514	6	C6	6	C6	6	6						
E84AVTCE7514	6	C6	6	C6	6	6						
E84AVTCE1124	6	C6	10	C10	10	10	1 ... 2.5 18 ... 12	7	0.5 4.4	1 ... 6 18 ... 10	10	1.7 15
E84AVTCE1524	6	C6	10	C10	10	10						
E84AVTCE2224	10	C10	10	C10	10	10						
E84AVTCE3024xxS	10	C10	16	C16	15	15						

X101

3.5 × 0.6 mm





COM

NC

NO

X101

COM

NC

NO

8400GG009

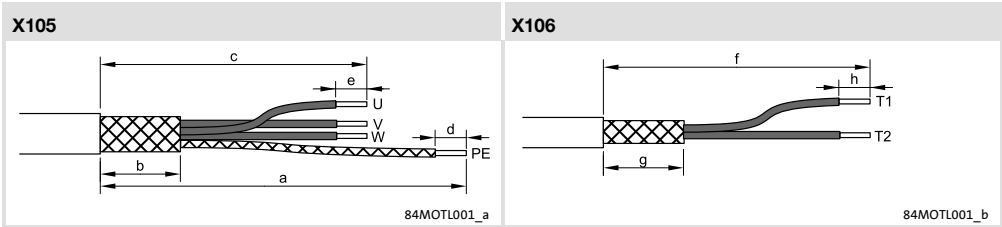
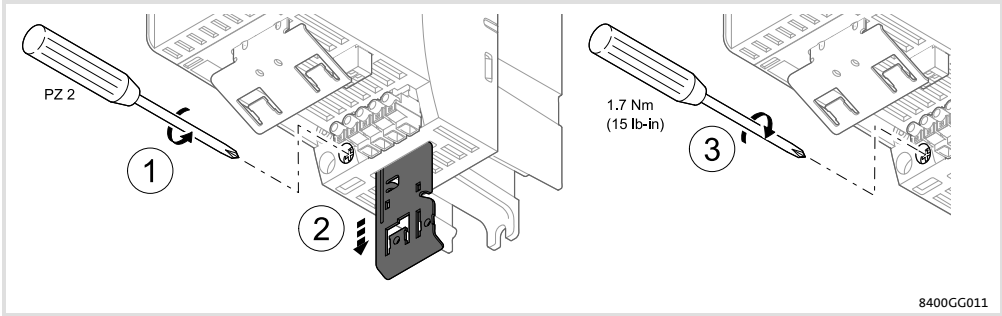
8400GG010

	COM, NC, NO	
		
	[mm²] [AWG]	[mm]
E84AVTCE2512 E84AVTCE3712	0.2 ... 1.5 24 ... 16	10
E84AVTCE3714 E84AVTCE551x E84AVTCE751x	0.2 ... 1.5 24 ... 16	10
E84AVTCE112x E84AVTCE152x E84AVTCE222x E84AVTCE3024xx5	0.2 ... 1.5 24 ... 16	10

EDK84VTCE222 ZH/EN 3.2

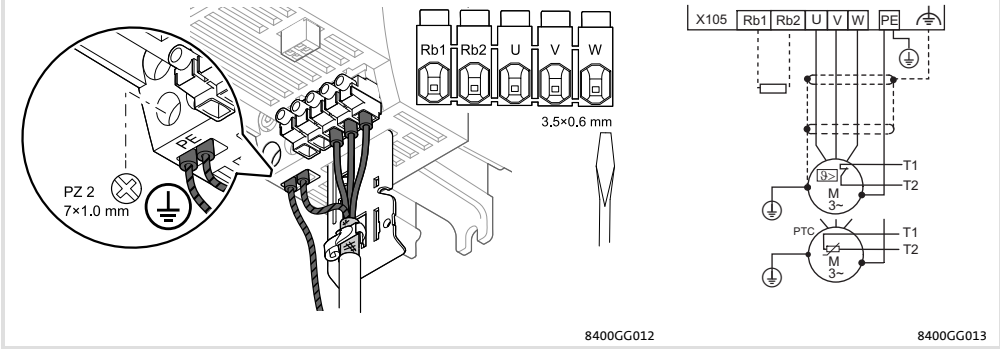
9

Lenze

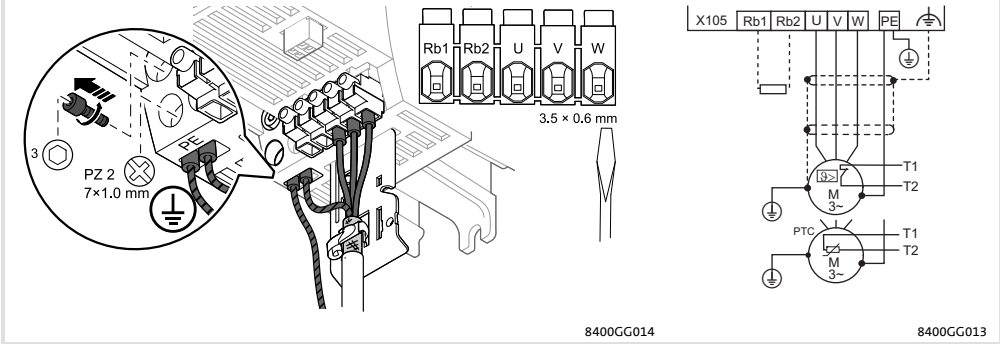


	U, V, W					PE				T1, T2			
	b	c	e			a	d			f	g	h	
	[mm]	[mm]	[mm]	[mm ²] [AWG]	[Nm] [lb-in]	[mm]	[mm]	[mm ²] [AWG]	[Nm] [lb-in]	[mm]	[mm]	[mm]	[mm ²] [AWG]
E84AVTCE2512 E84AVTCE3712	25	65	7	1 ... 2.5 18 ... 12	0.5 4.4	90	9	1 ... 6 18 ... 10	1.7 15	95	25	10	0.2 ... 1.5 24 ... 16
E84AVTCE3714 E84AVTCE551x E84AVTCE751x	30	65	7	1 ... 2.5 18 ... 12	0.5 4.4	90	9	1 ... 6 18 ... 10	1.7 15	95	30	10	0.2 ... 1.5 24 ... 16
E84AVTCE112x E84AVTCE152x E84AVTCE222x E84AVTCE3024xxS	30	65	7	1 ... 2.5 18 ... 12	0.5 4.4	90	9	1 ... 6 18 ... 10	1.7 15	95	30	10	0.2 ... 1.5 24 ... 16

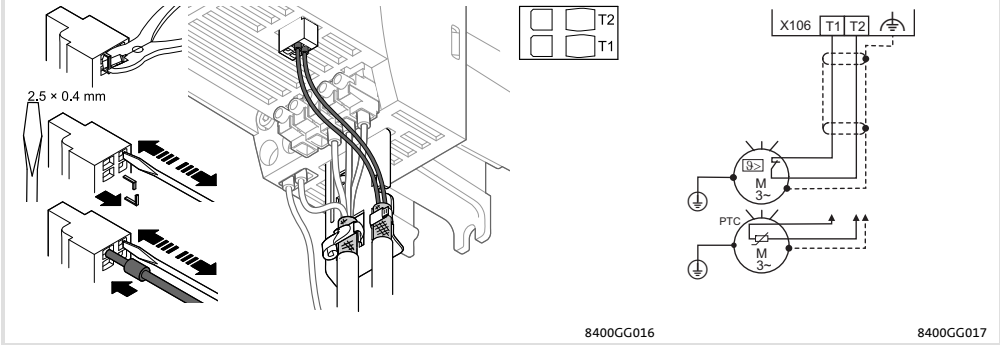
X105 - TN, TT

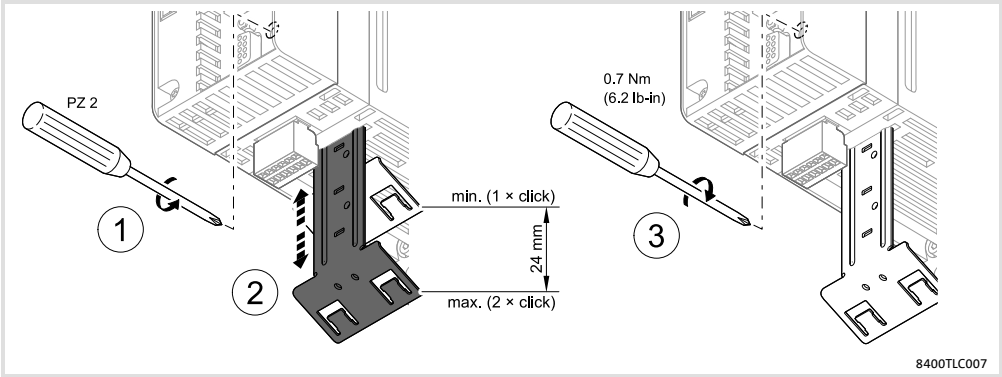


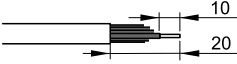
X105 - IT



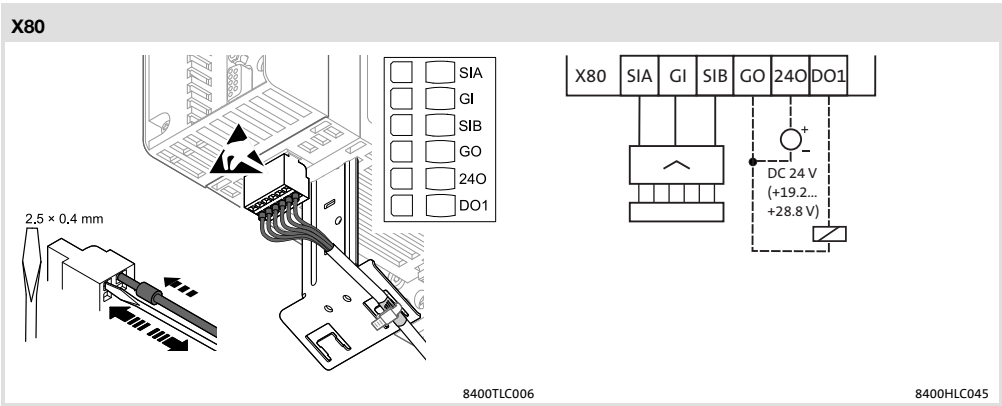
X106

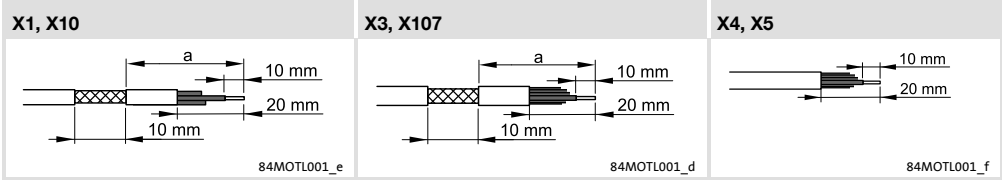
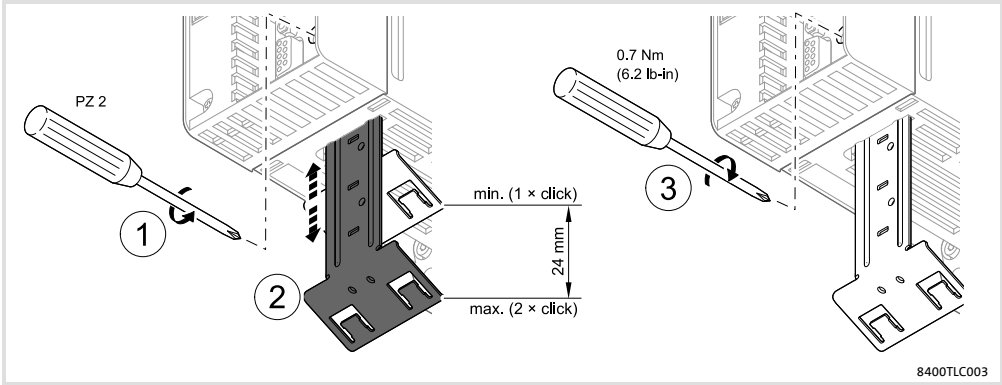




	
[mm]	[mm ²] [AWG]
	0.2 ... 1.5 24 ... 16

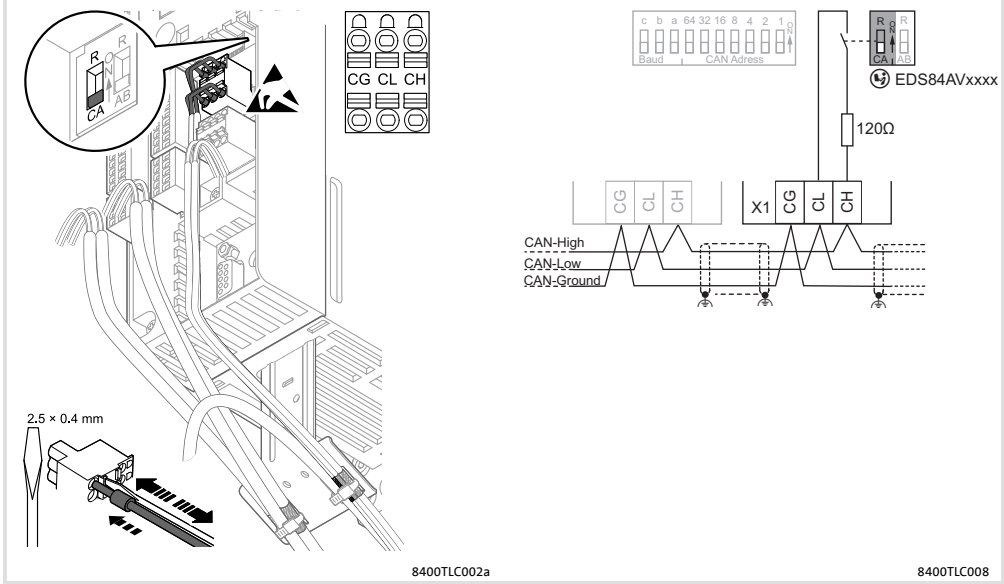
84MOTL001_g



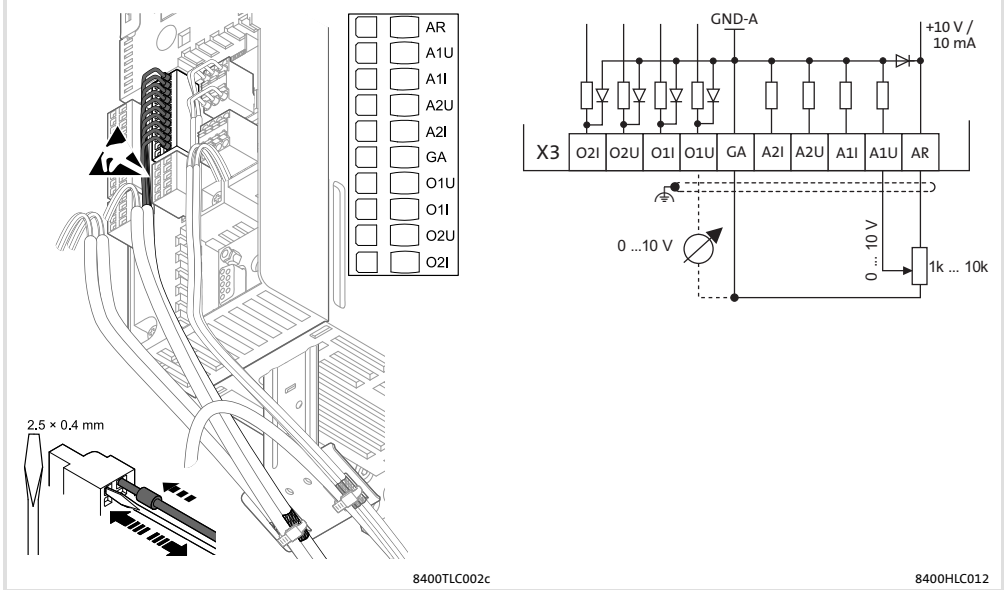


X1			X3			X4, X5			X10			X107		
min.	max.		min.	max.					min.	max.		min.	max.	
a	a	[mm ²] [AWG]	a	a	[mm ²] [AWG]	[mm ²] [AWG]	[mm ²] [AWG]	a	a	[mm ²] [AWG]	a	a	[mm ²] [AWG]	[mm ²] [AWG]
175	200	0.2 ... 1.5 24 ... 16	195	220	0.2 ... 1.5 24 ... 16	0.2 ... 1.5 24 ... 16	0.2 ... 1.5 24 ... 16	155	180	0.2 ... 1.5 24 ... 16	160	185	0.2 ... 1.5 24 ... 16	0.2 ... 1.5 24 ... 16

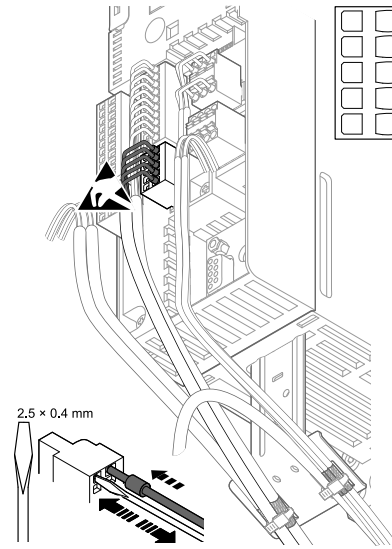
X1



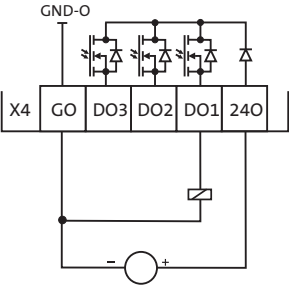
X3



X4



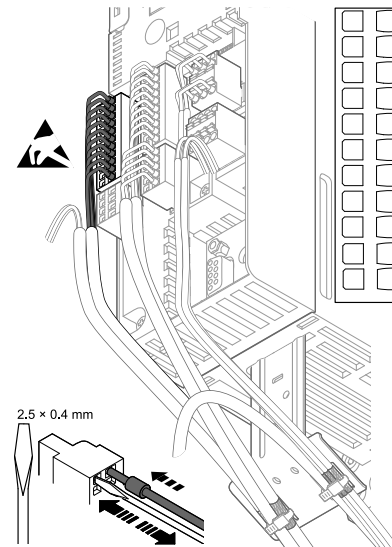
	24O
	DO1
	DO2
	DO3
	GO



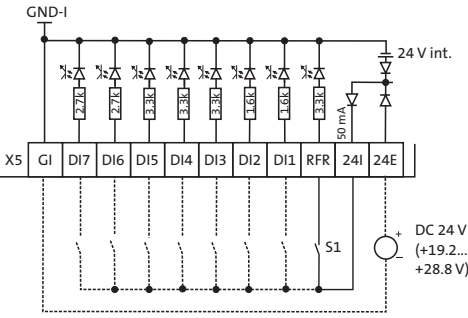
DC 24 V
(+19.2...+28.8 V)

8400TLC002e8400HLC045

X5



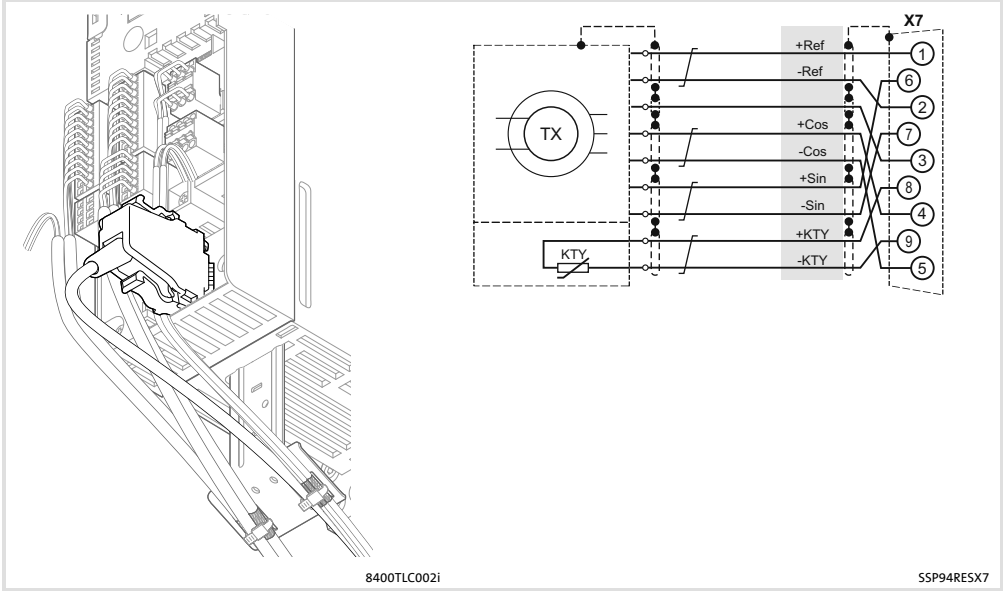
	24E
	24I
	RFR
	DI1
	DI2
	DI3
	DI4
	DI5
	DI6
	DI7
	GI



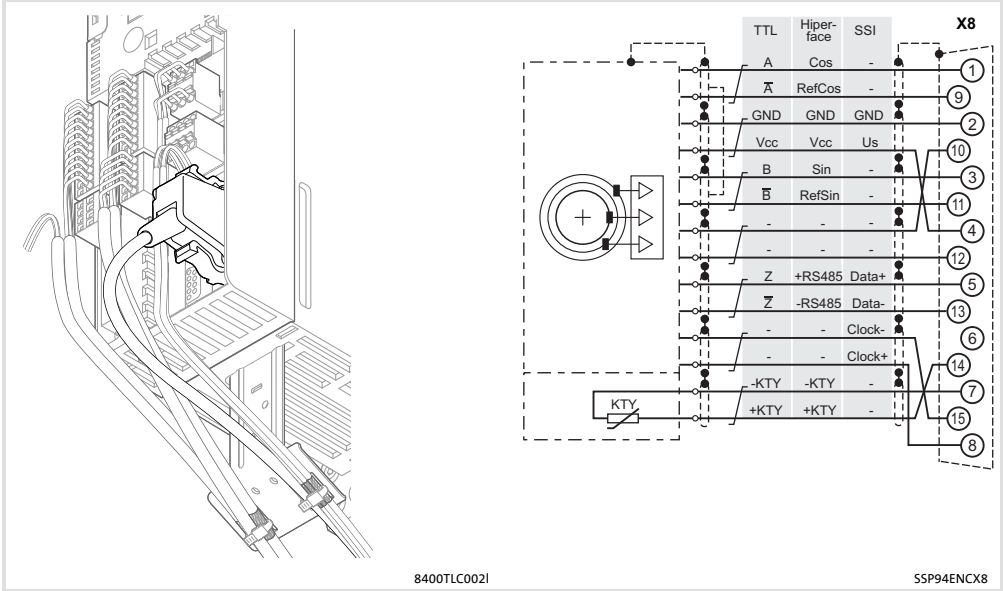
DC 24 V
(+19.2...+28.8 V)

8400TLC002g8400HLC045

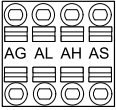
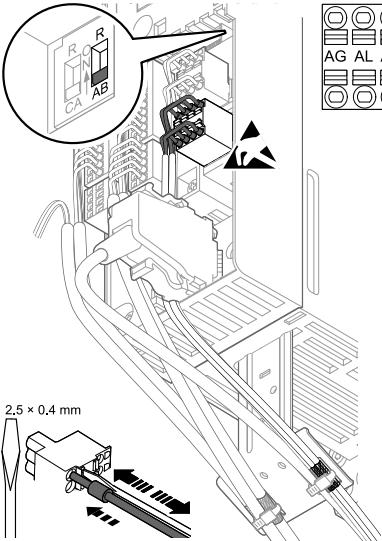
X7

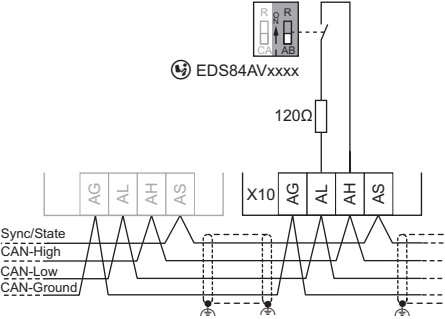


X8



X10





EDS84AVxxxx

120Ω

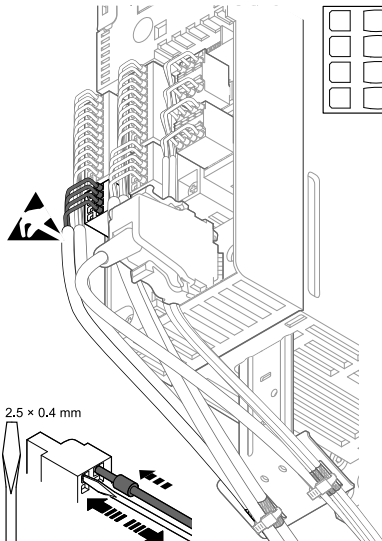
AG AL AH AS X10 AG AL AH AS

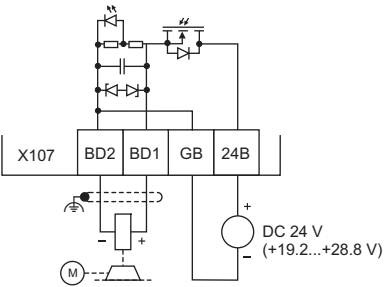
Sync/State
CAN-High
CAN-Low
CAN-Ground

8400TLC002n

8400TLC009

X107





X107 BD2 BD1 GB 24B

DC 24 V
(+19.2...+28.8 V)

8400TLC002p

8400HLC045



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+49 5154 82-1112



service@lenze.com

EDK84VTCE222 ■ 13481657 ■ ZH/EN ■ 3.2 ■ TD29

10 9 8 7 6 5 4 3 2 1

EDK84VTCE223
13481658

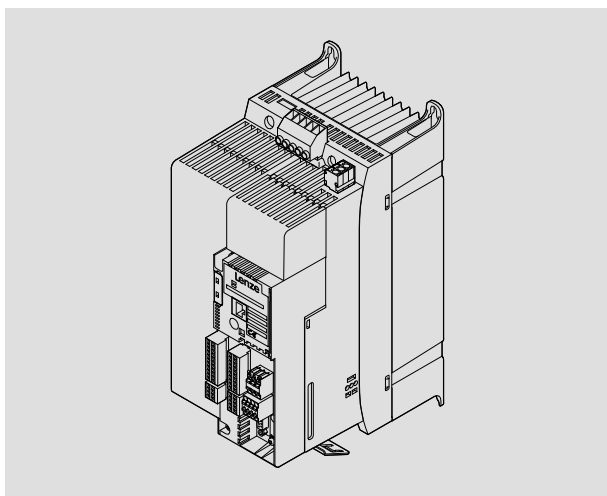


L-force *Drives*

安装指导

Mounting Instructions

8400 3.0 ... 22 kW



E84AVTCExxxx TopLine C

变频器

Frequency Inverter

Lenze



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- ▶ 检查所有电源端子都已不带电。

请也遵循 CD 光盘中有设备和安全技术的更多相关信息!



Danger!

Dangerous voltage

- ▶ The power terminals X100 and X105 carry dangerous voltages for up to 3 minutes after mains disconnection.

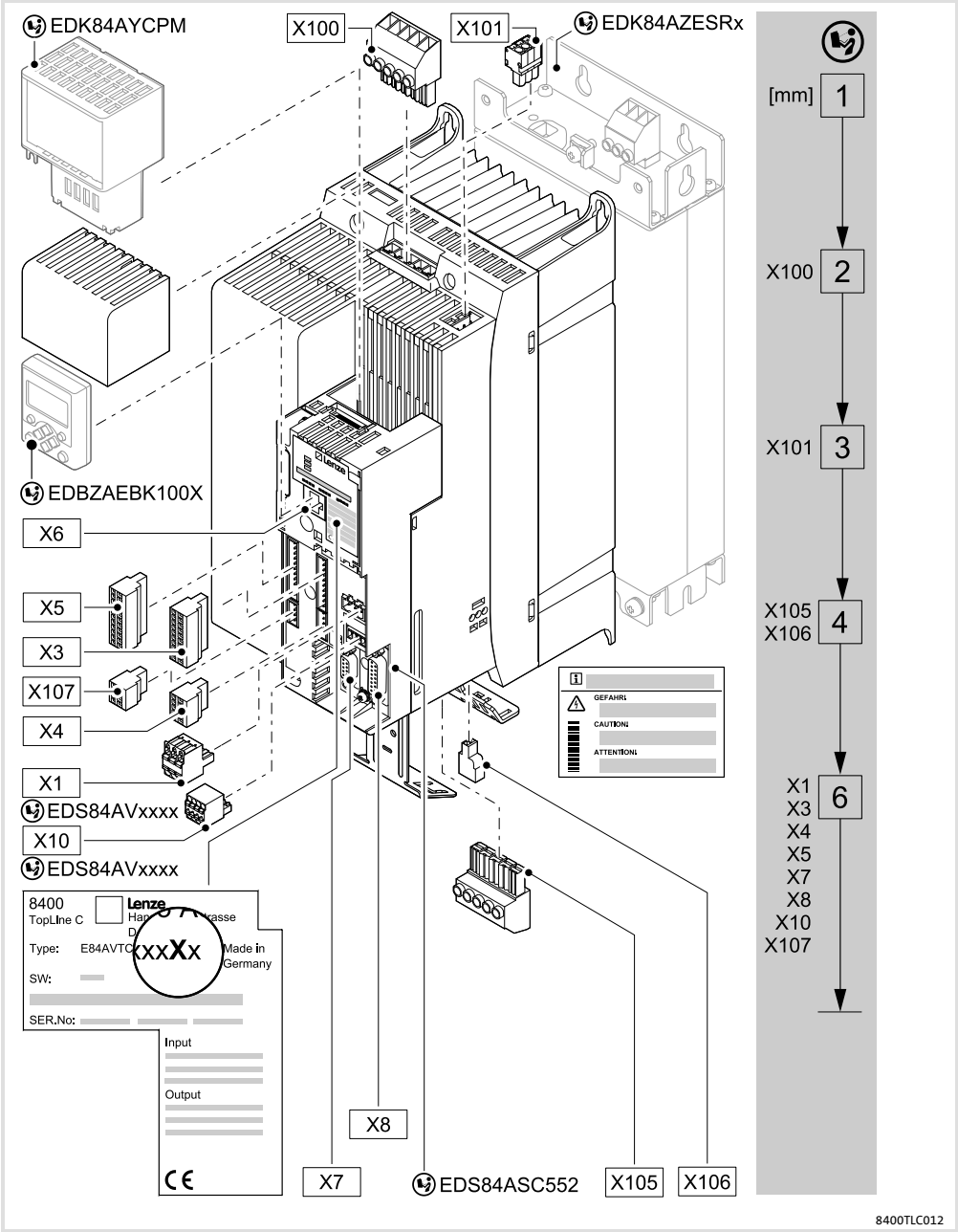
Possible consequences:

- ▶ Death or severe injury if the power terminals are touched.

Protective measures:

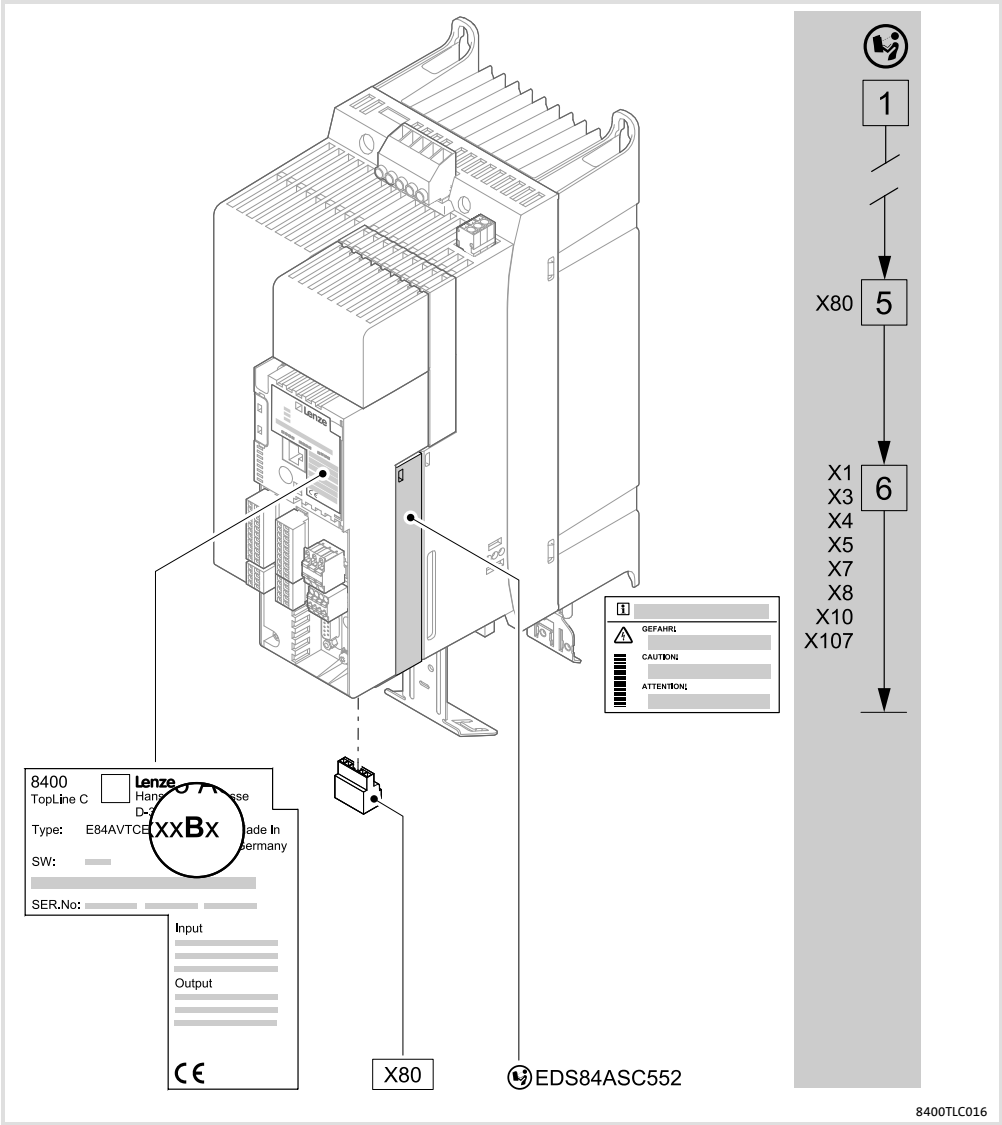
- ▶ Switch off the mains voltage and wait at least 3 minutes before starting to work on the device.
- ▶ Check that all power terminals are deenergised.

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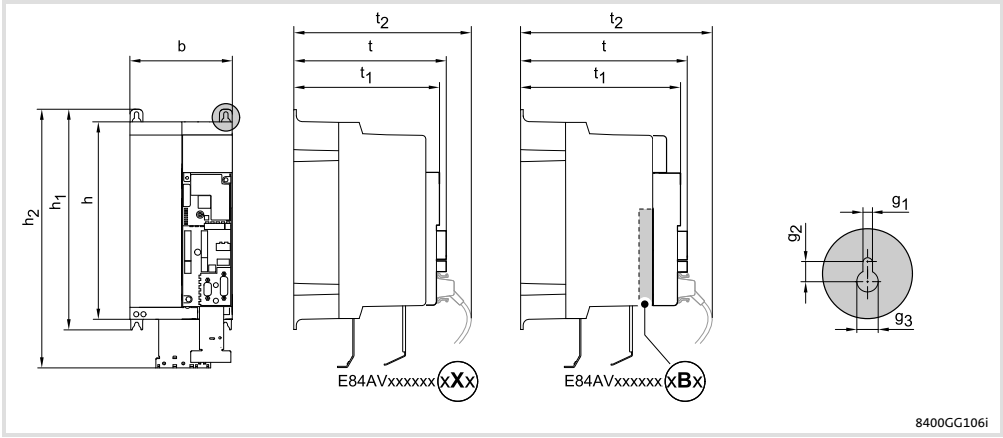


8400TLC012

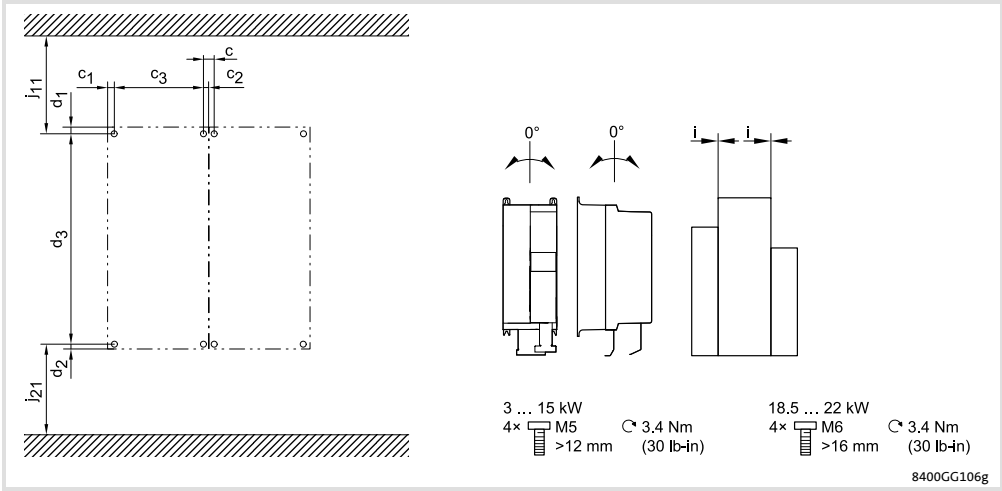




8400TLC016

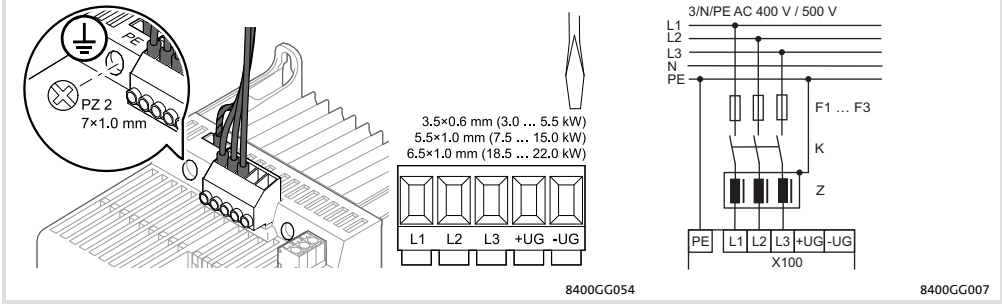


	[kW]	h	b	t	h ₁	h ₂	t ₁	t ₂	g ₁	g ₂	g ₃
		[mm]									
E84AVTCE3024xXX	3	270	140	214	303	360	201	240	6	11	12
E84AVTCE4024xXX	4										
E84AVTCE5524xXX	5.5										
E84AVTCE7524xXX	7.5	325	140	214	359	416	201	240	6	11	12
E84AVTCE1134xXX	11										
E84AVTCE1534xXX	15										
E84AVTCE1834xXX	18.5	350	205	265	359	430	252	291	7	10	13
E84AVTCE2234xXX	22										
E84AVTCE3024xBx	3										
E84AVTCE4024xBx	4	270	140	234	303	360	221	260	6	11	12
E84AVTCE5524xBx	5.5										
E84AVTCE7524xBx	7.5										
E84AVTCE1134xBx	11	325	140	234	359	416	221	260	6	11	12
E84AVTCE1534xBx	15										
E84AVTCE1834xBx	18.5	350	205	285	359	430	272	311	7	10	13
E84AVTCE2234xBx	22										

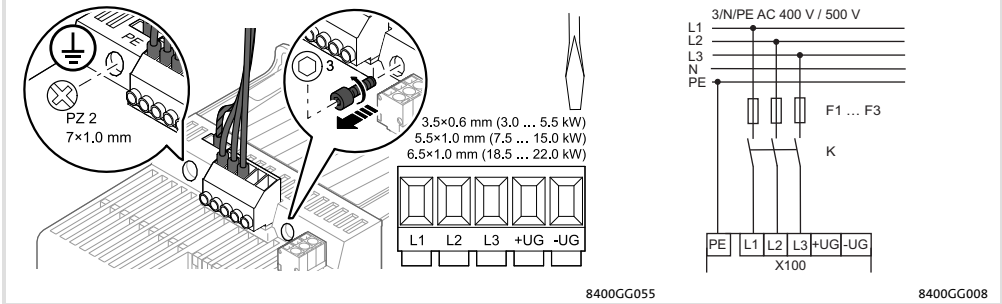


		d ₁	d ₂	d ₃	c	c ₁	c ₂	c ₃	i	j ₁₁	j ₂₁	
	[kW]	[mm]										[kg]
E84AVTCE3024xXx	3	9	9	285	20	10	10	120	0	> 95	> 95	4.6
E84AVTCE4024xXx	4											
E84AVTCE5524xXx	5.5											
E84AVTCE7524xXx	7.5	10	9	340	20	10	10	120	0	> 95	> 95	6.0
E84AVTCE1134xXx	11											
E84AVTCE1534xXx	15											
E84AVTCE1834xXx	18.5	11	8	340	25	12.5	12.5	180	0	> 95	> 95	12.2
E84AVTCE2234xXx	22											
E84AVTCE3024xBx	3											
E84AVTCE4024xBx	4	9	9	285	20	10	10	120	0	> 95	> 95	4.7
E84AVTCE5524xBx	5.5											
E84AVTCE7524xBx	7.5											
E84AVTCE1134xBx	11	10	9	340	20	10	10	120	0	> 95	> 95	6.1
E84AVTCE1534xBx	15											
E84AVTCE1834xBx	18.5											
E84AVTCE2234xBx	22	11	8	340	25	12.5	12.5	180	0	> 95	> 95	12.3

X100 - TN, TT



X100 - IT



	F						L1, L2, L3			PE		
	EN 60204				UL							
	[A]		[A]		[A]	[A]	[mm ²] [AWG]	[mm]	[Nm] [lb-in]	[mm ²] [AWG]	[mm]	[Nm] [lb-in]
E84AVTCE3024xx0	10	C10	16	C16	15	15	1 ... 6 18 ... 10	14	0.5 4.4	2.5 ... 16 12 ... 6	14	3.4 30
E84AVTCE4024	16	C16	16	C16	20	20						
E84AVTCE5524	20	C20	25	C25	20	20						
E84AVTCE7524	20	C20	32	C32	20	25	1 ... 16 18 ... 6	14	1.2 10.6	2.5 ... 16 12 ... 6	14	3.4 30
E84AVTCE1134	32	C32	32	C32	30	40						
E84AVTCE1534	32	C32	-	-	40	-						
E84AVTCE1834	50	C50	80	C80	40	60	1.5 ... 25 16 ... 2	14	3.5 31	2.5 ... 25 12 ... 2	16	4.0 35
E84AVTCE2234	63	C63	-	-	50	-						

X101

3.5 × 0.6 mm

COM

NC

NO

COM

NC

NO

COM

NC

NO

X101

COM

NC

NO

COM

NC

NO

8400GG056

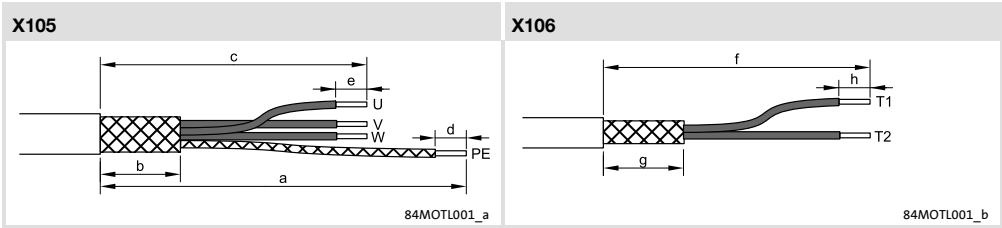
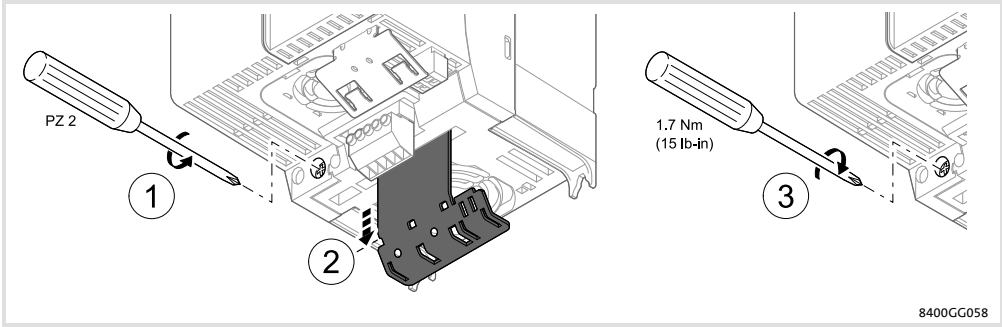
8400GG010

	COM, NC, NO	
	[mm²] [AWG]	[mm]
E84AVTCE3024xx0 E84AVTCE4024 E84AVTCE5524	0.2 ... 1.5 24 ... 16	10
E84AVTCE7524 E84AVTCE1134 E84AVTCE1534	0.2 ... 1.5 24 ... 16	10
E84AVTCE1834 E84AVTCE2234	0.2 ... 1.5 24 ... 16	10

EDK84VTCE223 ZH/EN 2.3

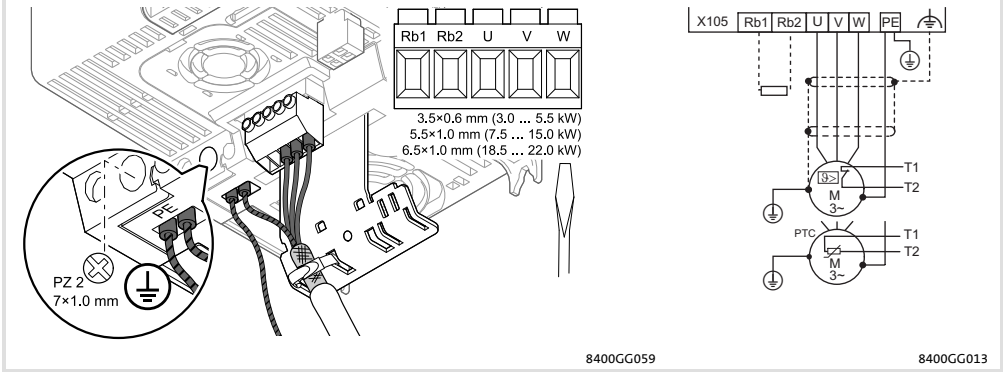
9

Lenze

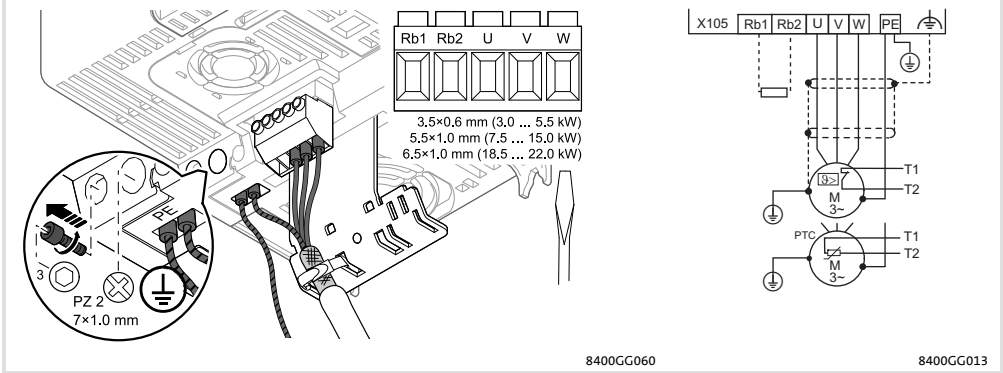


	U, V, W					PE				T1, T2			
	b	c	e			a	d			f	g	h	
	[mm]	[mm]	[mm]	[mm ²] [AWG]	[Nm] [lb-in]	[mm]	[mm]	[mm ²] [AWG]	[Nm] [lb-in]	[mm]	[mm]	[mm]	[mm ²] [AWG]
E84AVTCE3024xx0 E84AVTCE4024 E84AVTCE5524	25	70	14	1 ... 6 18 ... 10	0.5 4.4	125	14	2.5 ... 16 12 ... 6	3.4 30	105	25	10	0.2 ... 1.5 24 ... 16
E84AVTCE7524 E84AVTCE1134 E84AVTCE1534	25	80	14	1 ... 16 18 ... 6	1.2 10.6	120	14	2.5 ... 16 12 ... 6	3.4 30	115	25	10	0.2 ... 1.5 24 ... 16
E84AVTCE1834 E84AVTCE2234	30	110	16	1.5 ... 25 16 ... 2	3.5 31	195	16	2.5 ... 25 12 ... 2	4.0 35	160	30	10	0.2 ... 1.5 24 ... 16

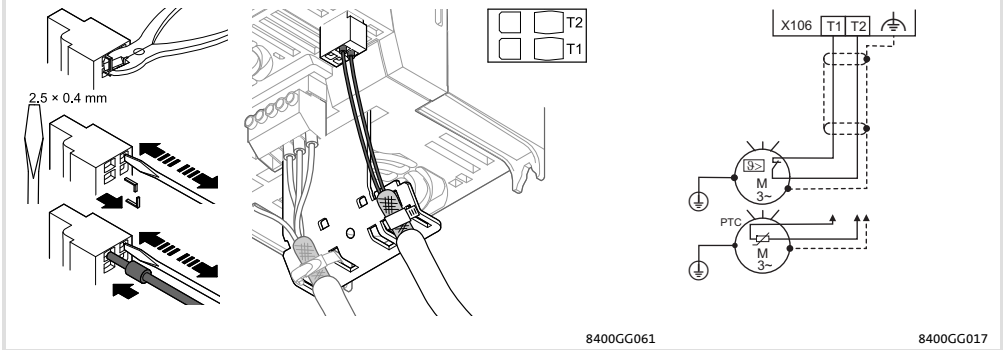
X105 - TN, TT

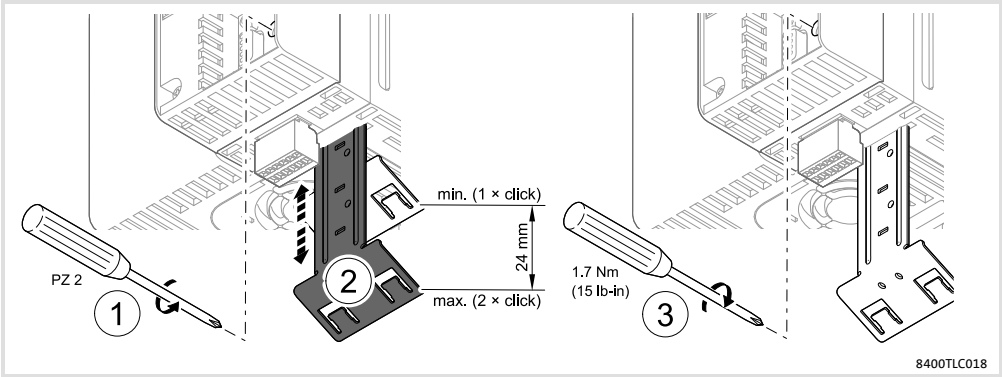


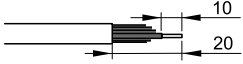
X105 - IT



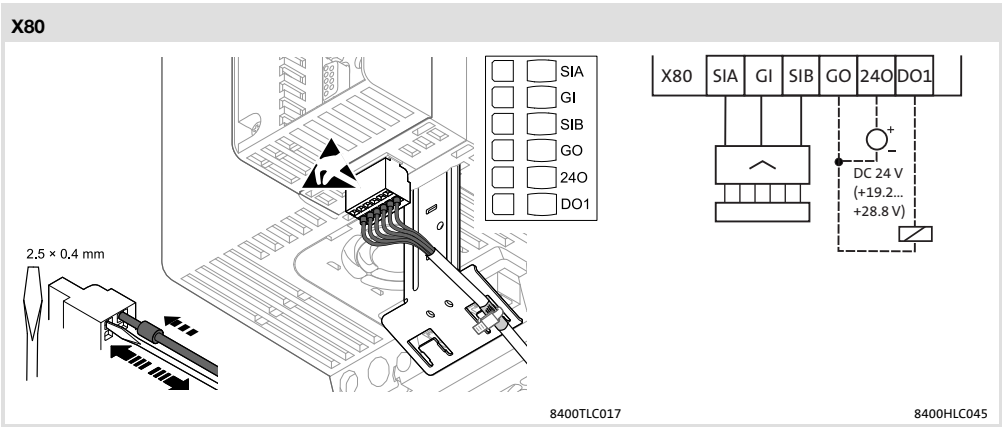
X106

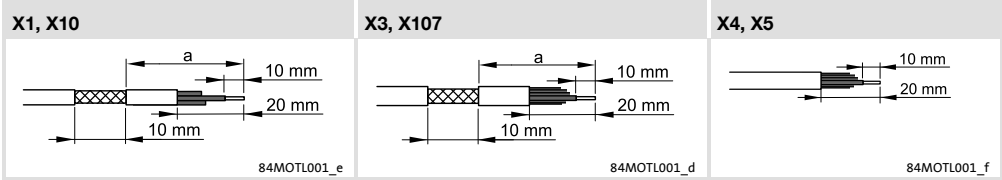
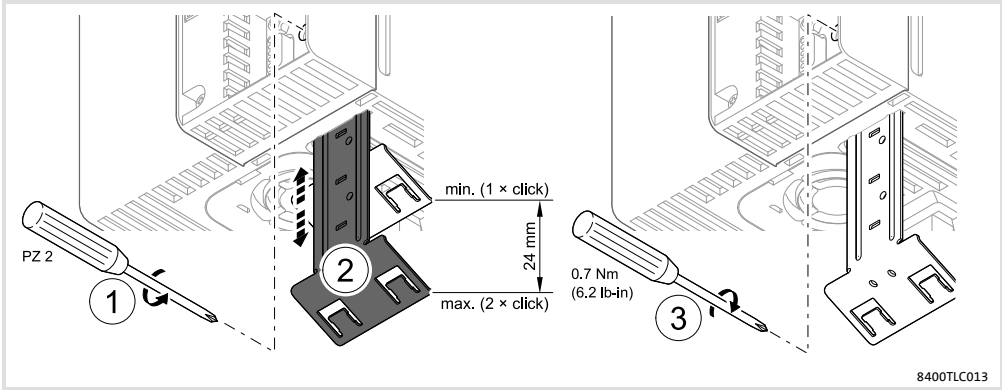




	
[mm]	[mm ²] [AWG]
	0.2 ... 1.5 24 ... 16

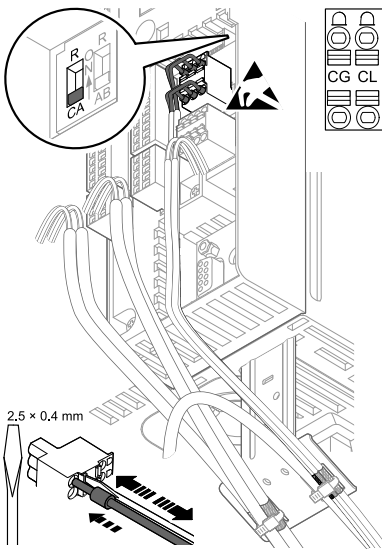
84MOTL001_g



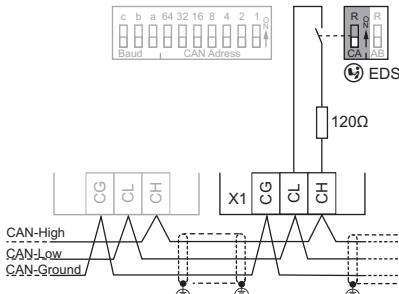


X1			X3			X4, X5			X10			X107		
min.	max.		min.	max.					min.	max.		min.	max.	
a	a	[mm²]	a	a	[mm²]	[mm²]	[mm²]	[mm²]	a	a	[mm²]	a	a	[mm²]
[mm]	[mm]	[AWG]	[mm]	[mm]	[AWG]	[AWG]	[AWG]	[AWG]	[mm]	[mm]	[AWG]	[mm]	[mm]	[AWG]
175	200	0.2 ... 1.5 24 ... 16	195	220	0.2 ... 1.5 24 ... 16	0.2 ... 1.5 24 ... 16	0.2 ... 1.5 24 ... 16		155	180	0.2 ... 1.5 24 ... 16	160	185	0.2 ... 1.5 24 ... 16

X1



CG	CL	CH



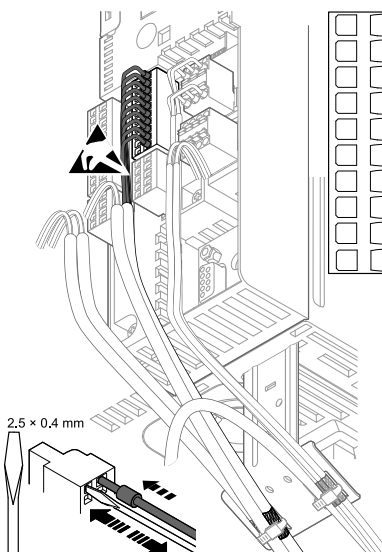
Wiring diagram for X1:

- CG: CAN-Ground
- CL: CAN-Low
- CH: CAN-High
- X1: Module pins
- 120Ω: Resistor
- EDS84AV/xxxx: Module

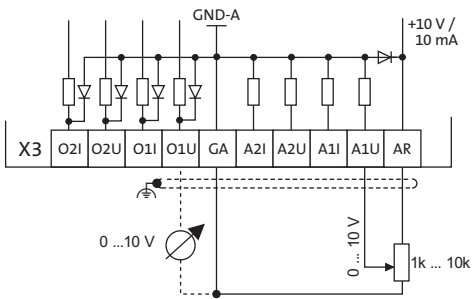
8400TLC002b

8400TLC008

X3



AR
A1U
A1I
A2U
A2I
GA
O1U
O1I
O2U
O2I



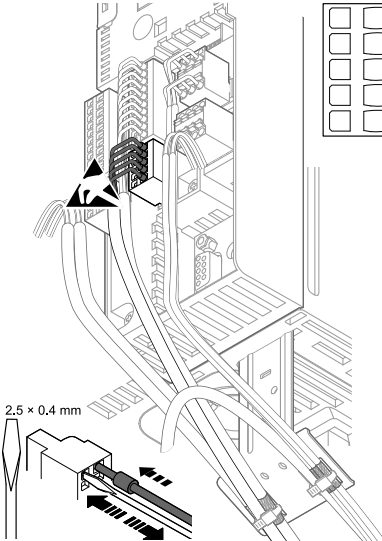
Wiring diagram for X3:

- 0 ... 10 V: Input voltage
- 10 V: Output voltage
- 1k ... 10k: Resistor
- GND-A: Ground
- +10 V / 10 mA: Power supply
- X3: Module pins

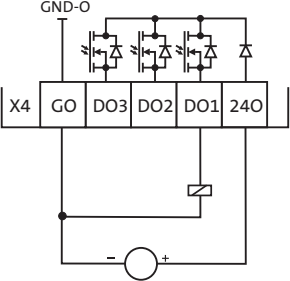
8400TLC002c

8400HLC012

X4



	24O
	DO1
	DO2
	DO3
	GO

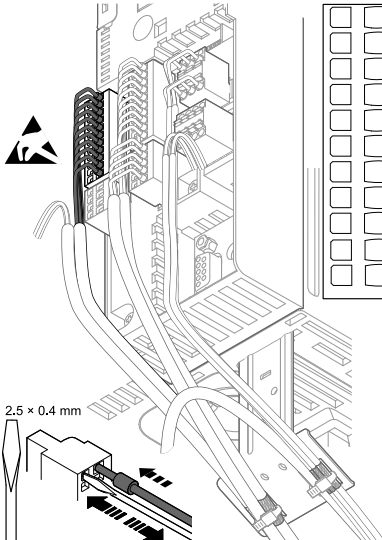


DC 24 V
(+19.2...+28.8 V)

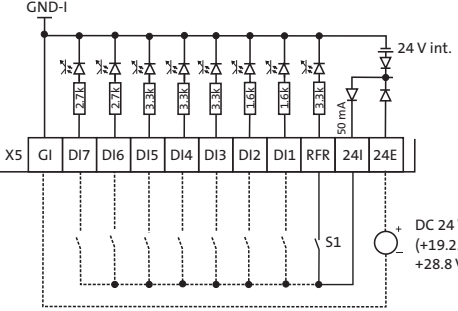
8400TLC002f

8400HLC045

X5



	24E
	24I
	RFR
	DI1
	DI2
	DI3
	DI4
	DI5
	DI6
	DI7
	GI

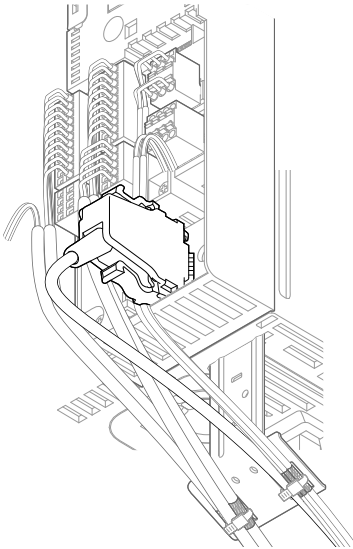


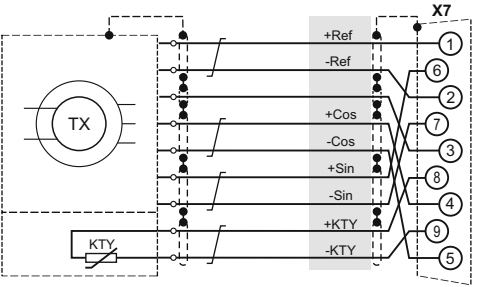
DC 24 V
(+19.2...+28.8 V)

8400TLC002h

8400HLC045

X7



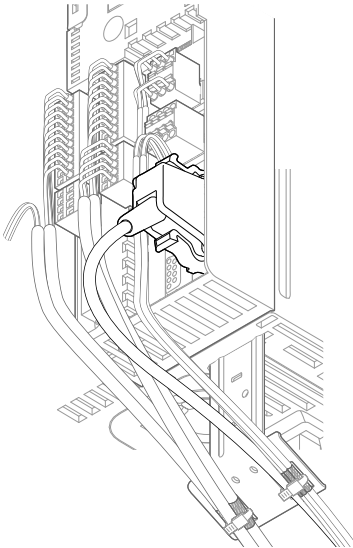


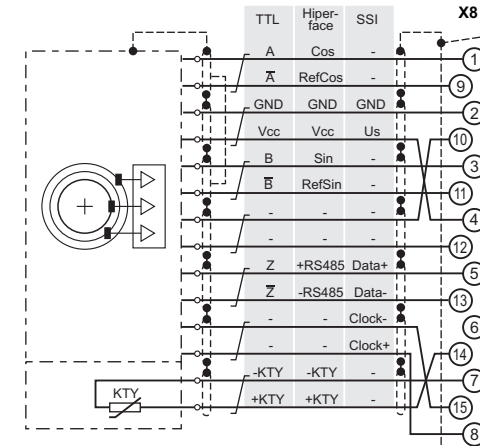
Pin	Signal
1	+Ref
2	-Ref
3	+Cos
4	-Cos
5	+Sin
6	-Sin
7	+KTY
8	-KTY

8400TLC002k

SSP94RESX7

X8



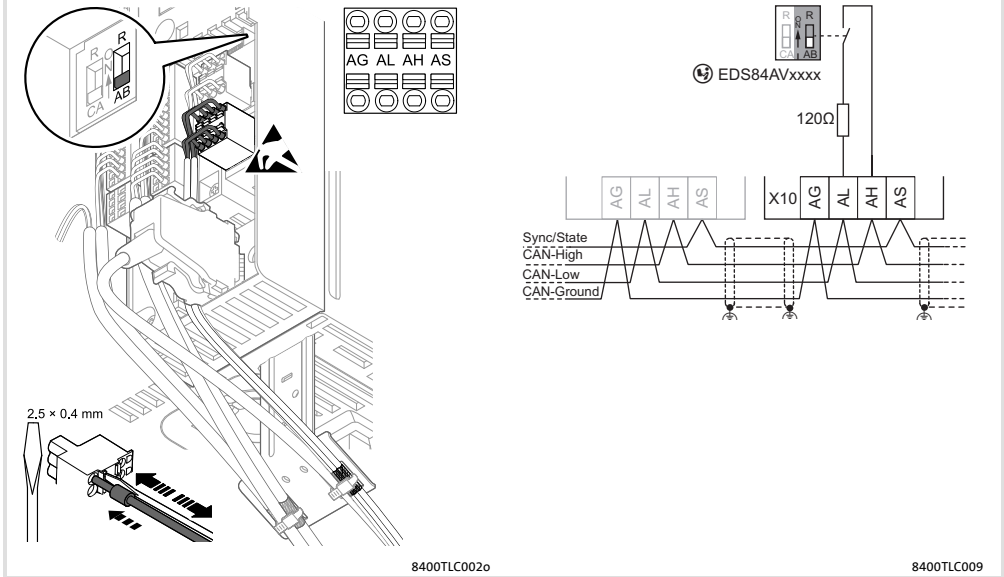


Pin	TTL	Hiper-face	SSI
1	A	Cos	-
2	A̅	RefCos	-
3	GND	GND	GND
4	Vcc	Vcc	Us
5	B	Sin	-
6	B̅	RefSin	-
7	-	-	-
8	Z	+RS485 Data+	-
9	Z̅	-RS485 Data-	-
10	-	-	-
11	-	-	-
12	-	-	-
13	-	-	-
14	-	-	-
15	-	-	-

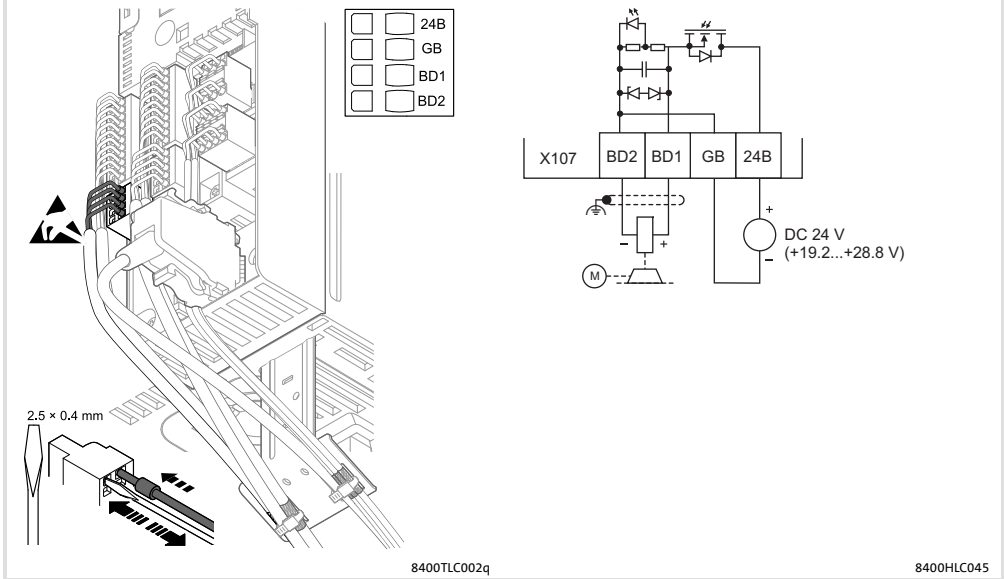
8400TLC002m

SSP94ENCX8

X10



X107





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service@lenze.com

EDK84VTCE223 ■ 13481658 ■ ZH/EN ■ 2.3 ■ TD29

10 9 8 7 6 5 4 3 2 1

EDK84VTCE453
13481659

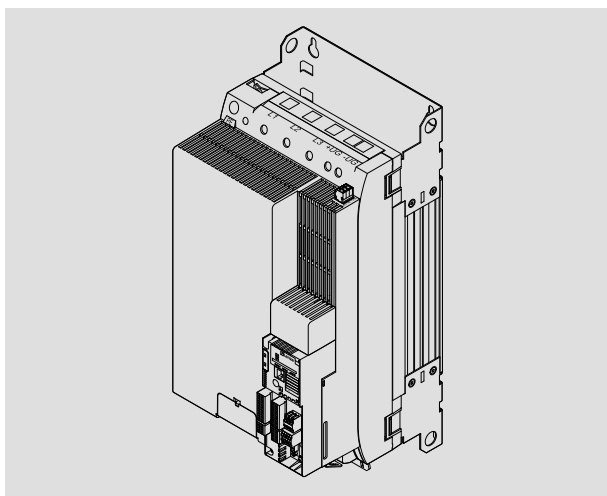


L-force *Drives*

安装指导

Mounting Instructions

8400 *30 ... 45 kW*



E84AVTCExxxx TopLine C

变频器

Frequency Inverter

Lenze



Warnings!

Operation of this equipment requires detailed installation and operation instructions provided in the Hardware manual intended for use with this product. This information is provided on the CD-ROM included in the container this device was packaged in. It should be retained with this device at all times. A hard copy of this information may be ordered by phone or e-mail, printed on the back of this document.



危險!

危險电压

- ▶ 电源端子X100 和 X105 在电源断开 3 分钟之内会继续保持危险电压。

可能的后果:

- ▶ 如果触到电源端子, 可能会造成死亡或严重受伤

保护措施:

- ▶ 切断电源电压, 再开始操作设备之前等待至少3分钟。
- ▶ 检查所有电源端子都已不带电。

请也遵循 CD 光盘中有设备和安全技术的更多相关信息!



Danger!

Dangerous voltage

- ▶ The power terminals X100 and X105 carry dangerous voltages for up to 3 minutes after mains disconnection.

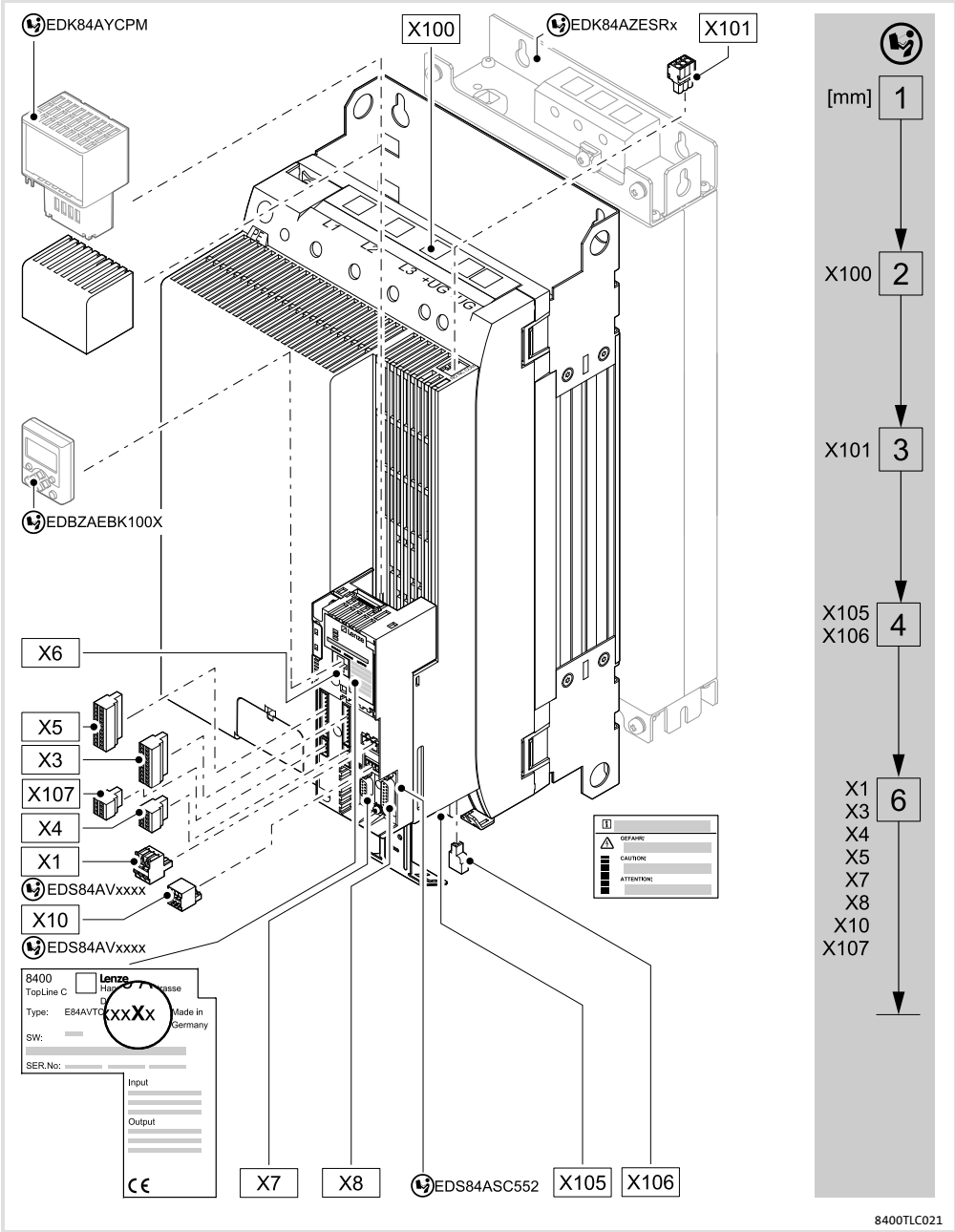
Possible consequences:

- ▶ Death or severe injury if the power terminals are touched.

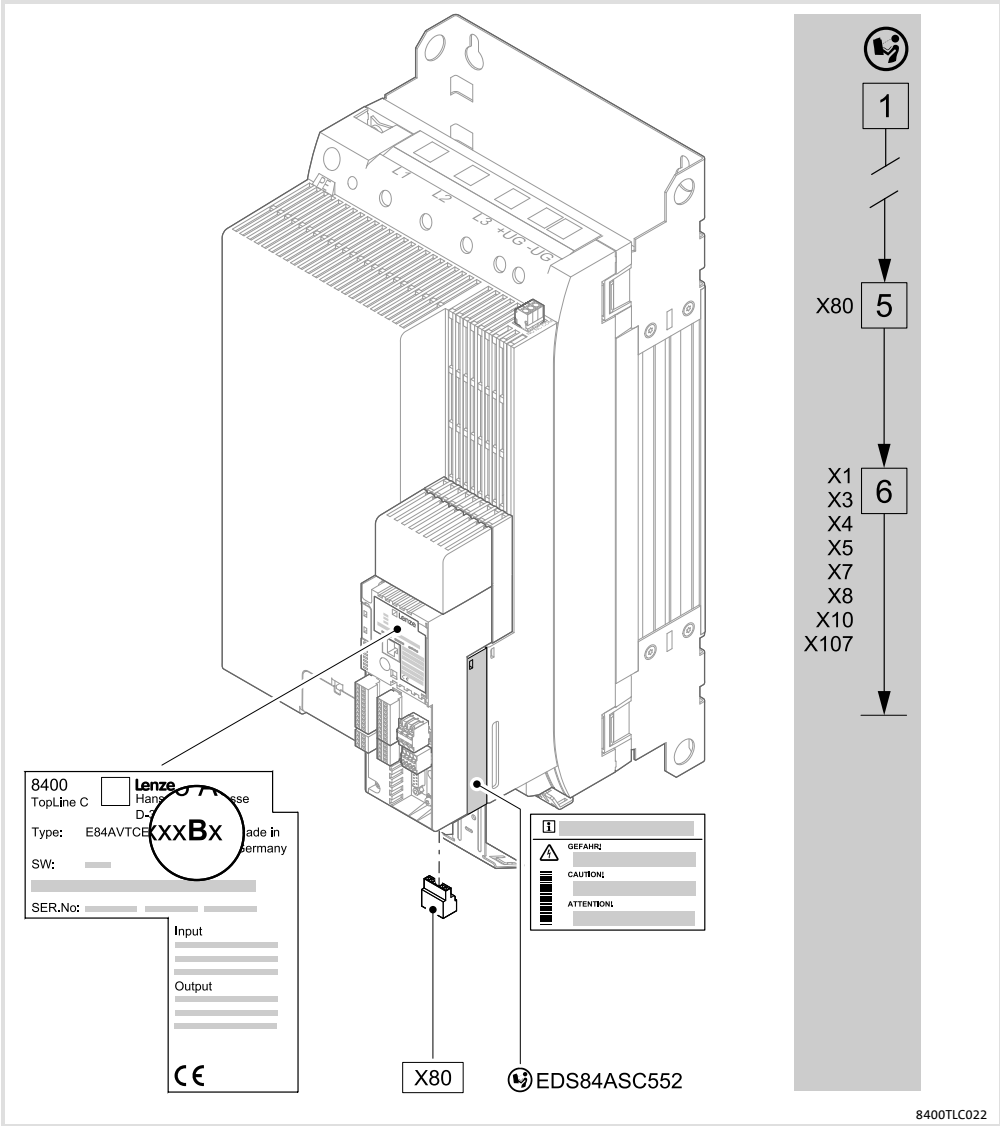
Protective measures:

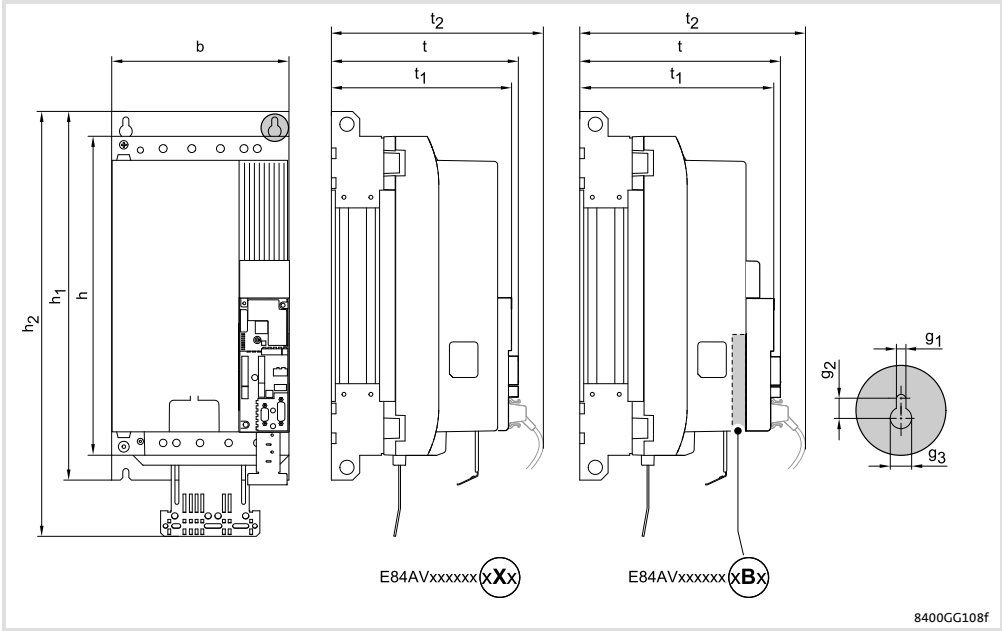
- ▶ Switch off the mains voltage and wait at least 3 minutes before starting to work on the device.
- ▶ Check that all power terminals are deenergised.

Please also observe more important information on device and safety technology provided on the enclosed CD-ROM!

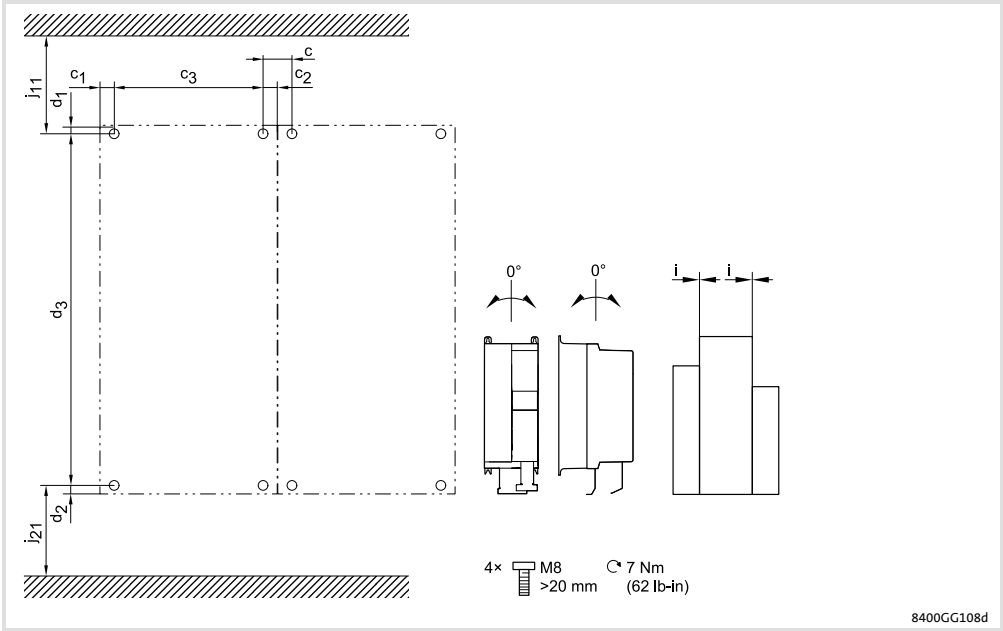


8400TLC021





		h	b	t	h ₁	h ₂	t ₁	t ₂	g ₁	g ₂	g ₃
		[mm]									
E84AVTCE3034xXx	30	450	250	265	520	636	252	291	8.5	16	18
E84AVTCE3734xXx	37										
E84AVTCE4534xXx	45										
E84AVTCE3034xBx	30	450	250	285	520	636	272	311	8.5	16	18
E84AVTCE3734xBx	37										
E84AVTCE4534xBx	45										



8400GG108d

		d ₁	d ₂	d ₃	c	c ₁	c ₂	c ₃	i	j ₁₁	j ₂₁	
		[mm]										
E84AVTCE3034xXx	30	8	12	500	40	20	20	210	0	> 95	> 120	17.4
E84AVTCE3734xXx	37											
E84AVTCE4534xXx	45											
E84AVTCE3034xBx	30	8	12	500	40	20	20	210	0	> 95	> 120	17.5
E84AVTCE3734xBx	37											
E84AVTCE4534xBx	45											

X100 - TN, TT

PZ 2
7×1.0 mm

4

L1 L2 L3 +UG-UG

3/N/PE AC 400 V / 500 V

L1 L2 L3 N PE

F1 ... F3

K

Z

PE L1 L2 L3 +UG-UG

X100

8400GG090a8400GG007

X100 - IT

PZ 2
7×1.0 mm

3

4

L1 L2 L3 +UG-UG

3/N/PE AC 400 V / 500 V

L1 L2 L3 N PE

F1 ... F3

K

PE L1 L2 L3 +UG-UG

X100

8400GG090b8400GG008

	F						L1, L2, L3			PE		
	EN 60204				UL							
	[A]		[A]		[A]	[A]	[mm²] [AWG]	[mm]	[Nm] [lb-in]	[mm²] [AWG]	[mm]	[Nm] [lb-in]
E84AVTCE3034	80	C80	-	-	-	-	16 ... 50 6 ... 0	24	4.0 35	2.5 ... 25 12 ... 2	16	4.0 35
E84AVTCE3734	100	C100	-	-	-	-						
E84AVTCE4534	125	C125	-	-	-	-						

X101

3,5 × 0,6 mm

COM

NC

NO

X101

COM

NC

NO

8400GG090c

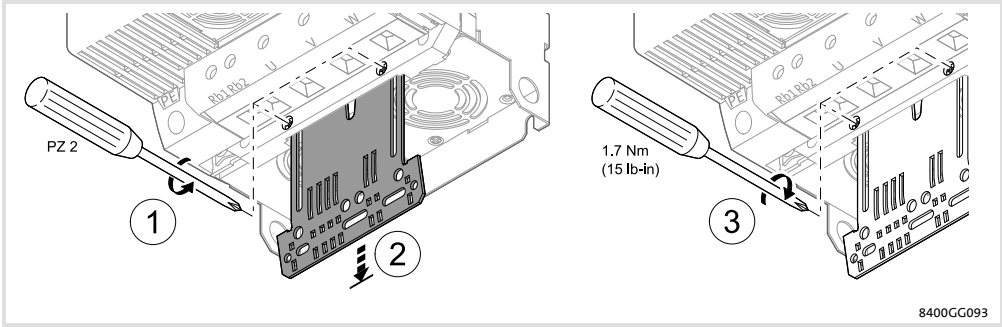
8400GG010

	COM, NC, NO	
		
	[mm ²] [AWG]	[mm]
E84AVTCE3034	0.2 ... 1.5 24 ... 16	10
E84AVTCE3734		
E84AVTCE4534		

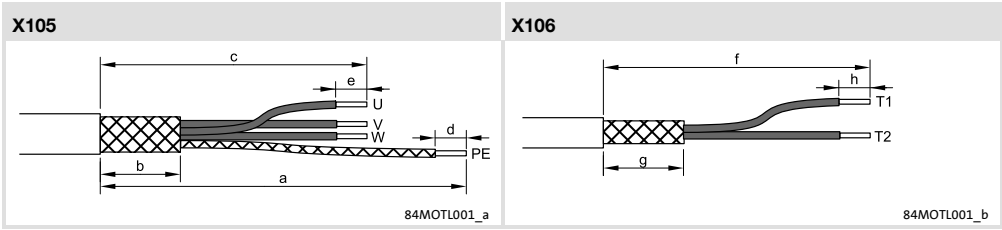
EDK84VTCE453 ZH/EN 2.3

8

Lenze

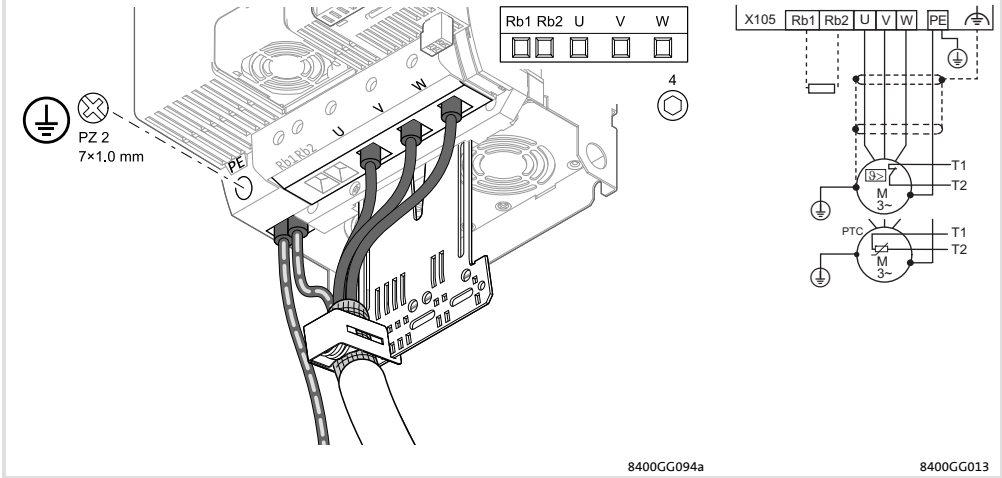


8400GG093

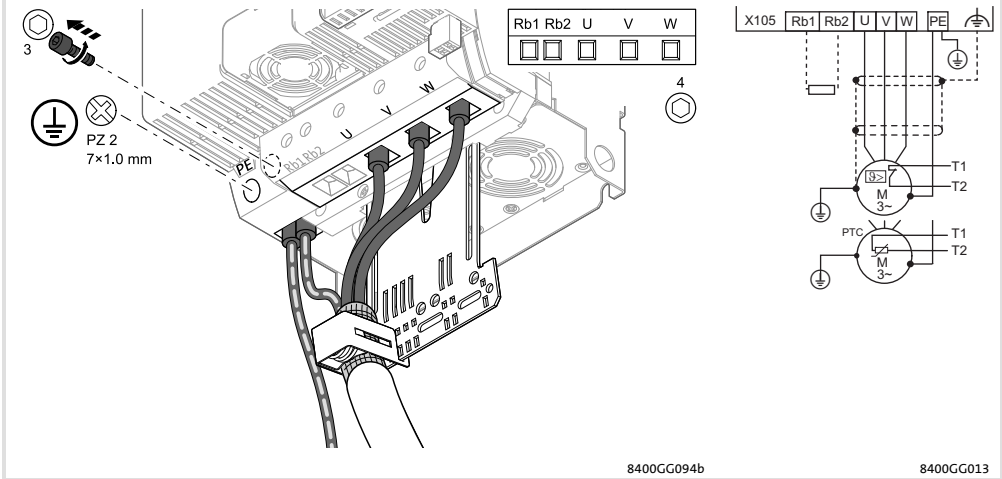


	U, V, W					PE				T1, T2			
	b	c	e			a	d			f	g	h	
	[mm]	[mm]	[mm]	[mm²] [AWG]	[Nm] [lb-in]	[mm]	[mm]	[mm²] [AWG]	[Nm] [lb-in]	[mm]	[mm]	[mm]	[mm²] [AWG]
E84AVTCE3034	40	190	24	16 ... 50	4.0	250	16	2.5 ... 25	4.0	240	40	10	0.2 ... 1.5
E84AVTCE3734				6 ... 0	35			12 ... 2	35				24 ... 16
E84AVTCE4534													

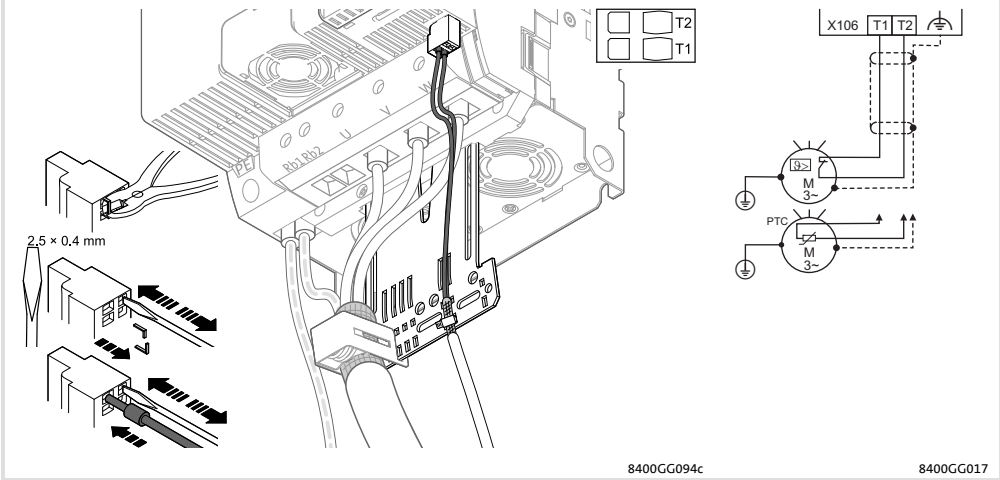
X105 - TN, TT

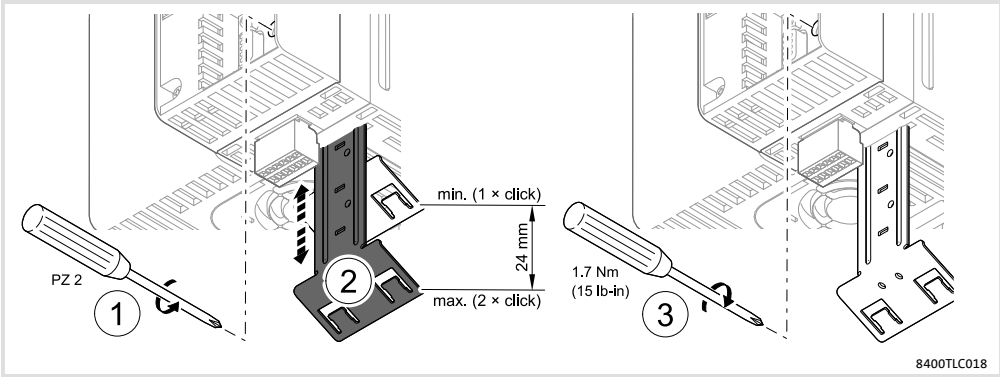


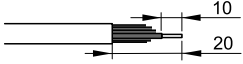
X105 - IT



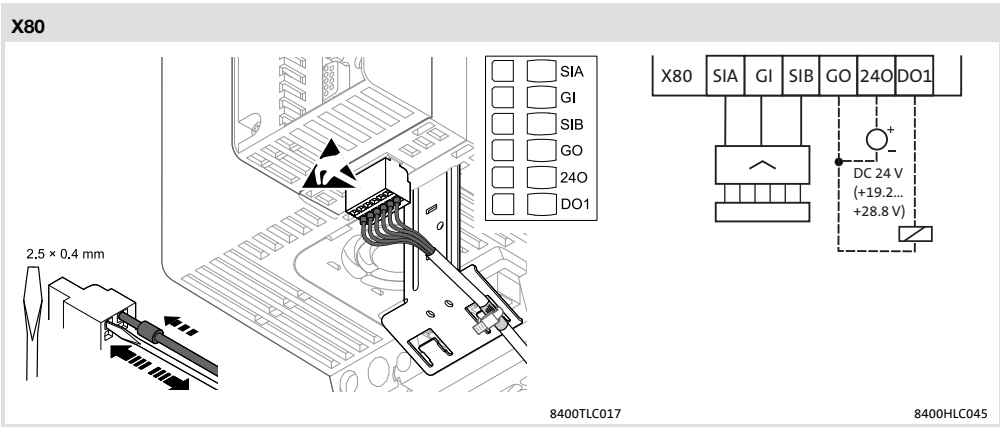
X106

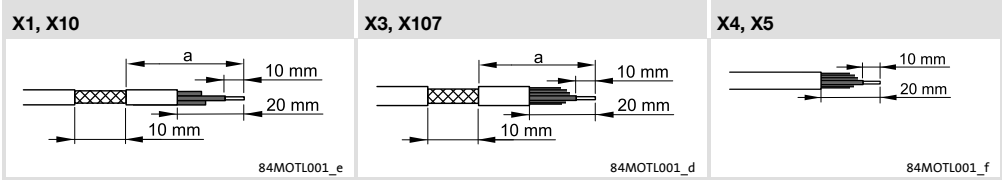
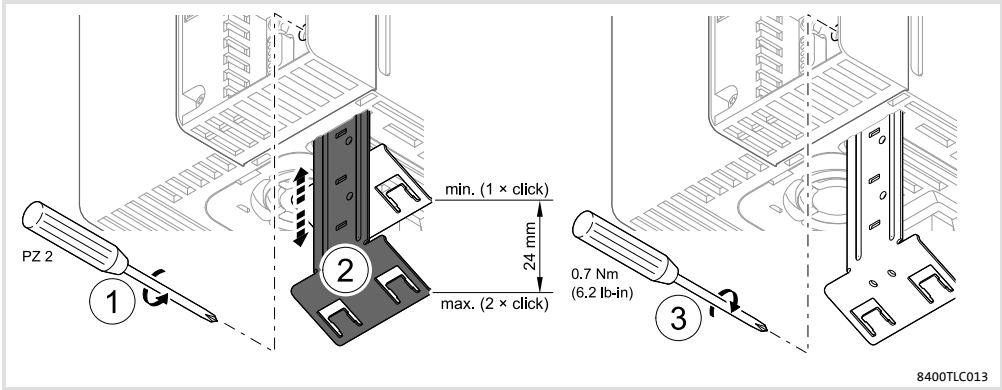




	
[mm]	[mm ²] [AWG]
	0.2 ... 1.5 24 ... 16

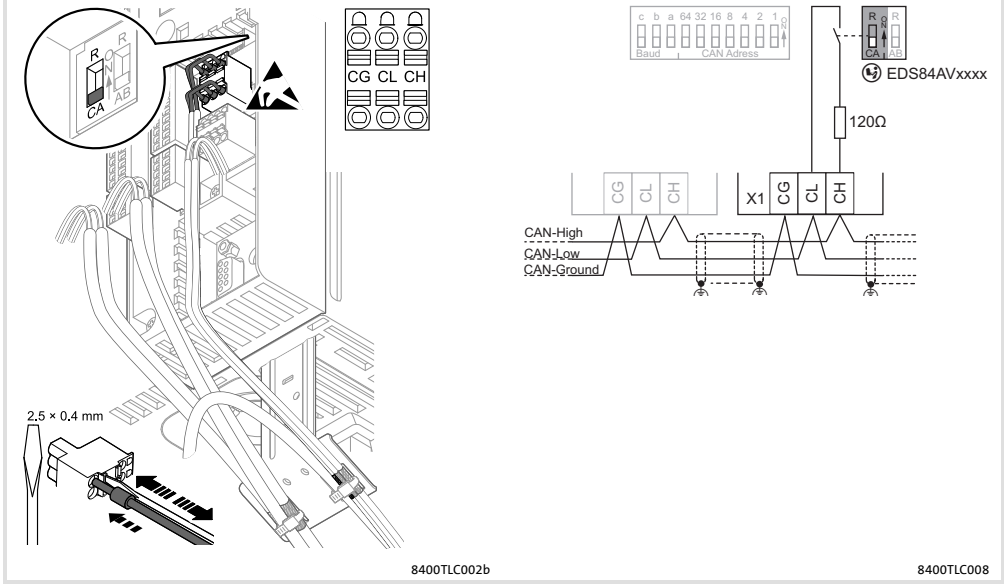
84MOTL001_g



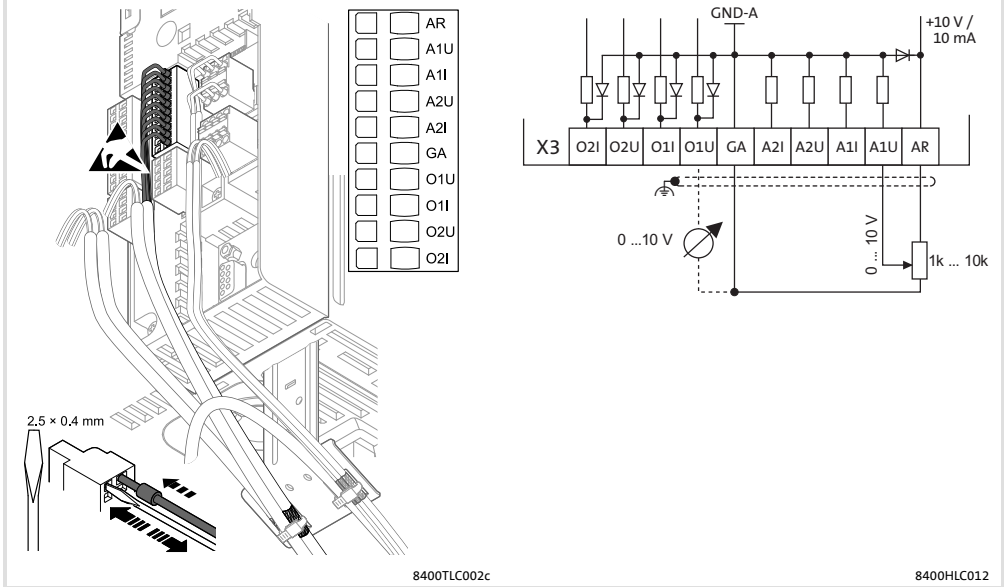


X1			X3			X4, X5	X10			X107		
												
min.	max.		min.	max.			min.	max.		min.	max.	
a	a	[mm²] [AWG]	a	a	[mm²] [AWG]	[mm²] [AWG]	a	a	[mm²] [AWG]	a	a	[mm²] [AWG]
[mm]	[mm]		[mm]	[mm]			[mm]	[mm]		[mm]	[mm]	
175	200	0.2 ... 1.5 24 ... 16	195	220	0.2 ... 1.5 24 ... 16	0.2 ... 1.5 24 ... 16	155	180	0.2 ... 1.5 24 ... 16	160	185	0.2 ... 1.5 24 ... 16

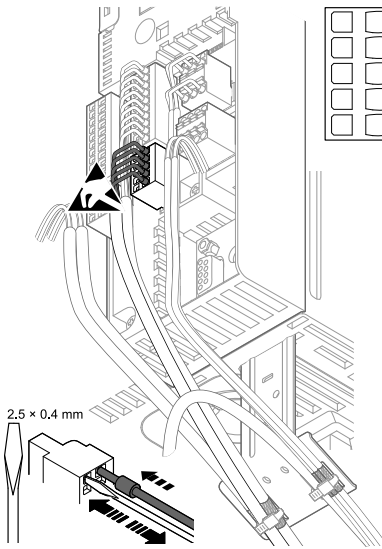
X1



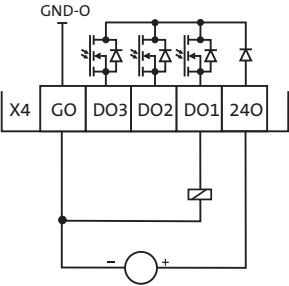
X3



X4



	24O
	DO1
	DO2
	DO3
	GO

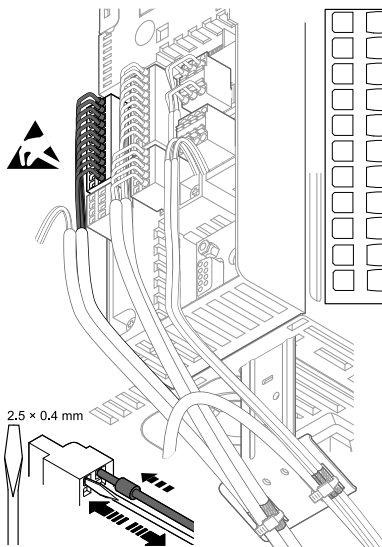


DC 24 V
(+19.2...+28.8 V)

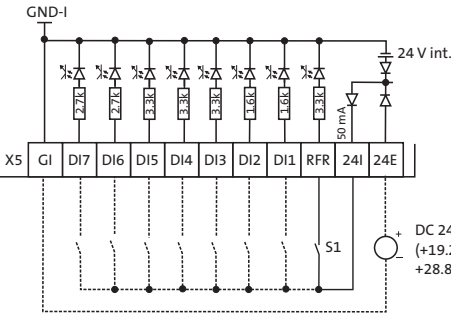
8400TLC002f

8400HLC045

X5



	24E
	24I
	RFR
	DI1
	DI2
	DI3
	DI4
	DI5
	DI6
	DI7
	GI

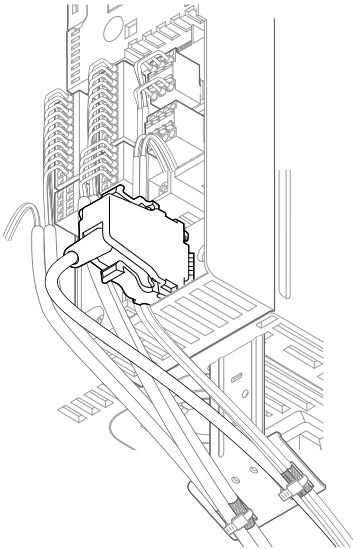


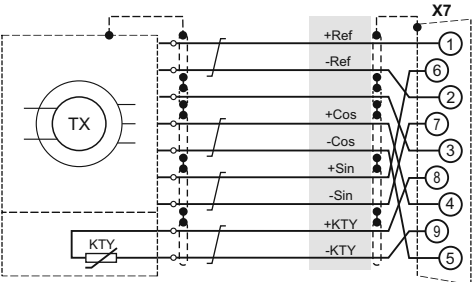
DC 24 V
(+19.2...+28.8 V)

8400TLC002h

8400HLC045

X7

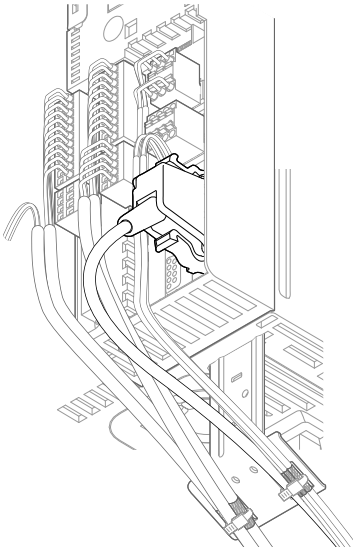


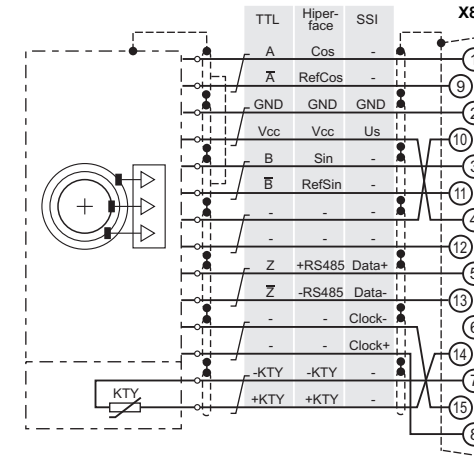


8400TLC002k

SSP94RESX7

X8





8400TLC002m

SSP94ENCX8

X10

EDS84AVxxxx

120Ω

AG AL AH AS

AG AL AH AS

Sync/State

CAN-High

CAN-Low

CAN-Ground

2.5 × 0.4 mm

8400TLC002o

8400TLC009

X107

24B

GB

BD1

BD2

24B

GB

BD1

BD2

DC 24 V

(+19.2...+28.8 V)

2.5 × 0.4 mm

8400TLC002q

8400HLC045



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service@lenze.com

EDK84VTCE453 ■ 13481659 ■ ZH/EN ■ 2.3 ■ TD29

10 9 8 7 6 5 4 3 2 1

EDK84VxCC153xxB
13459758

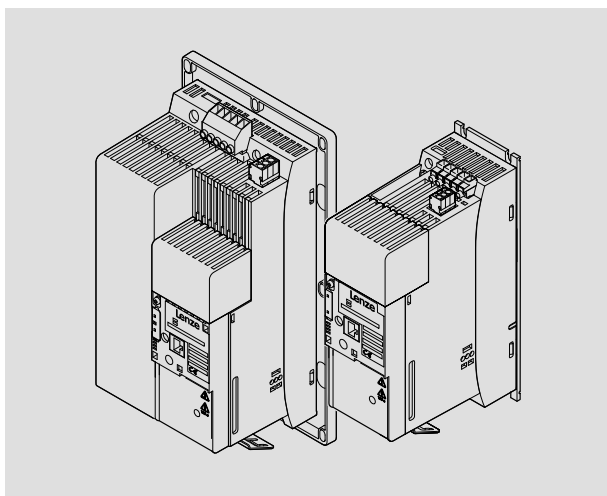


L-force Drives

安装指导

Mounting Instructions

8400 0.25 ... 45 kW



E84AVxCCxxxx Cold Plate

变频器

Frequency Inverter

Lenze



警告!

运行本设备需根据硬件手册中所提供的详细安装和操作说明来使用。本设备包装中包含提供此说明的光盘。请始终保存该光盘。关于此说明的复印件，请通过电话或邮件索取，详细联系方式见文档背面。



危险!

危险电压

- ▶ 电源端子X100 和 X105 在电源断开 3 分钟之内会继续保持危险电压。

可能的后果:

- ▶ 如果触到电源端子，可能会造成死亡或严重受伤

保护措施:

- ▶ 切断电源电压，再开始操作设备之前等待至少3分钟。
- ▶ 检查所有电源端子都已不带电。

请也遵循 CD 光盘中有设备和安全技术的更多相关信息!



Warnings!

Operation of this equipment requires detailed installation and operation instructions provided in the Hardware manual intended for use with this product. This information is provided on the CD-ROM included in the container this device was packaged in. It should be retained with this device at all times. A hard copy of this information may be ordered by phone or e-mail, printed on the back of this document.



Warnings!

Pour assurer le bon fonctionnement de cet équipement, se conformer aux instructions d'installation et de mise en service contenues dans le manuel correspondant et régissant l'utilisation de ce produit. Ces informations sont contenues sur le CD-ROM compris dans l'emballage livré, qui doit être consultable à tout moment. Une version papier de ces informations peut être commandée par téléphone ou par mail (coordonnées figurant au dos du présent document).



Danger!

Dangerous voltage

- The power terminals X100 and X105 carry dangerous voltages for up to 3 minutes after mains disconnection.

Possible consequences:

- Death or severe injury if the power terminals are touched.

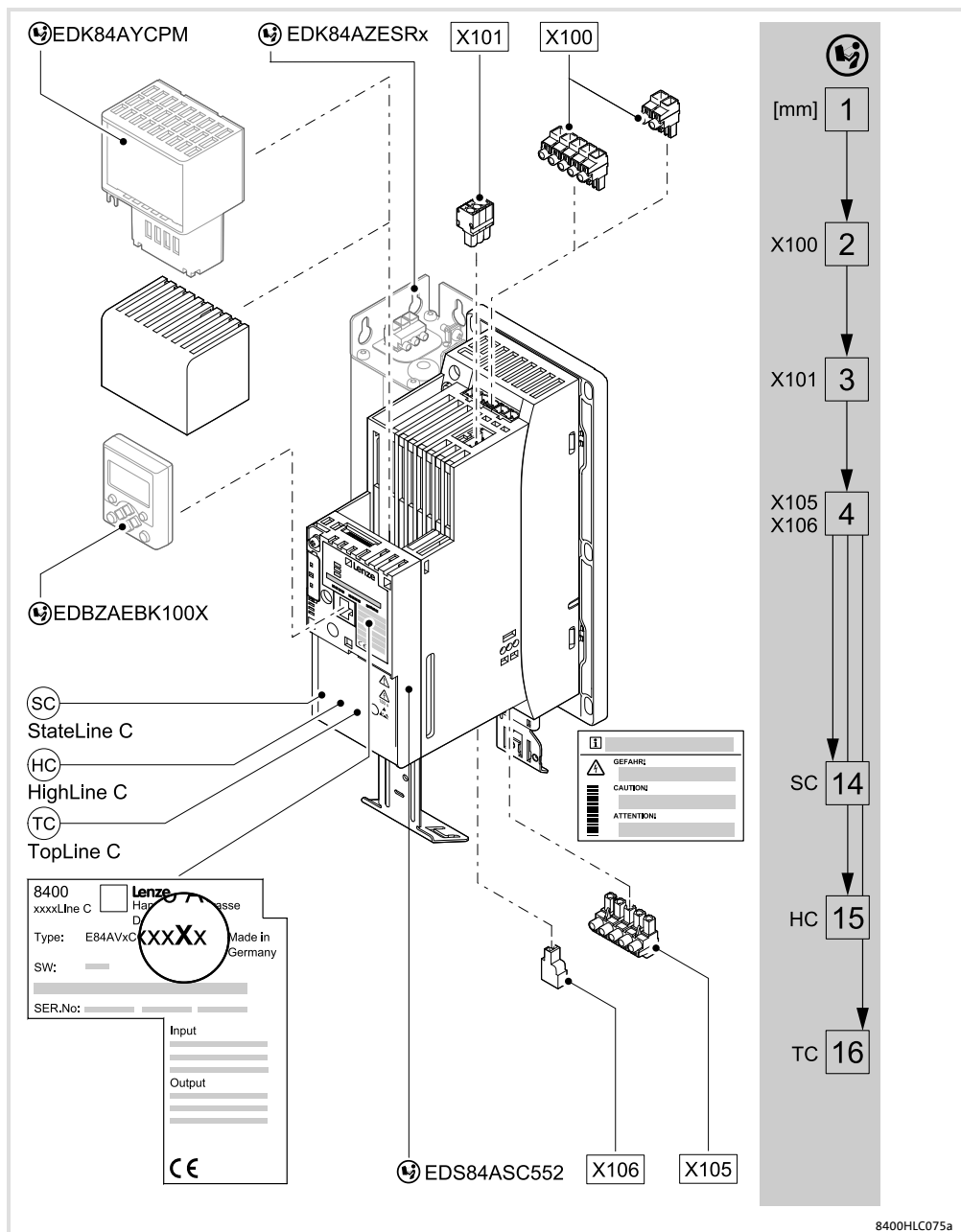
Protective measures:

- Switch off the mains voltage and wait at least 3 minutes before starting to work on the device.
- Check that all power terminals are deenergised.

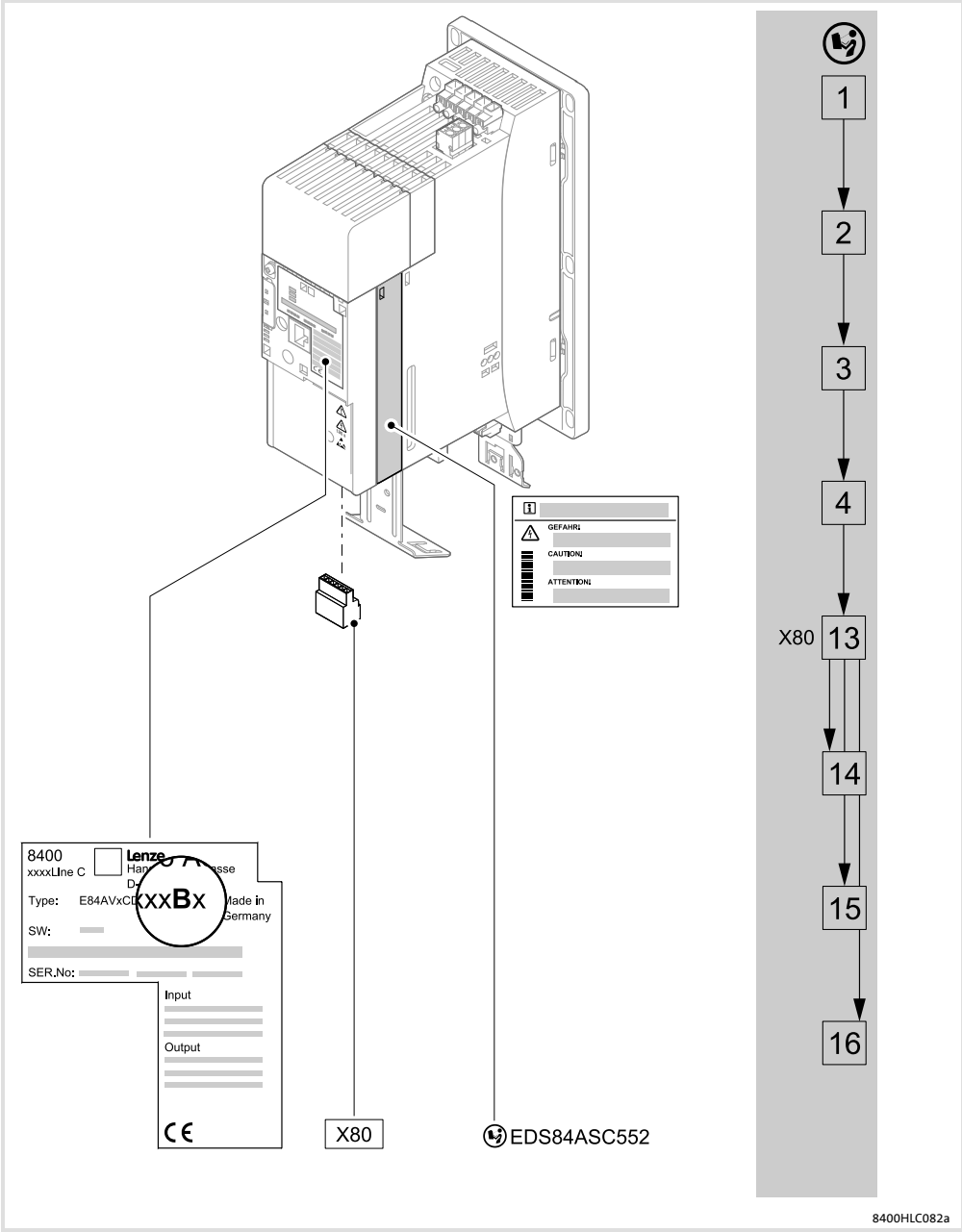
Please also observe more important information on device and safety technology provided on the enclosed CD-ROM!



0.25 ... 3.0 kW



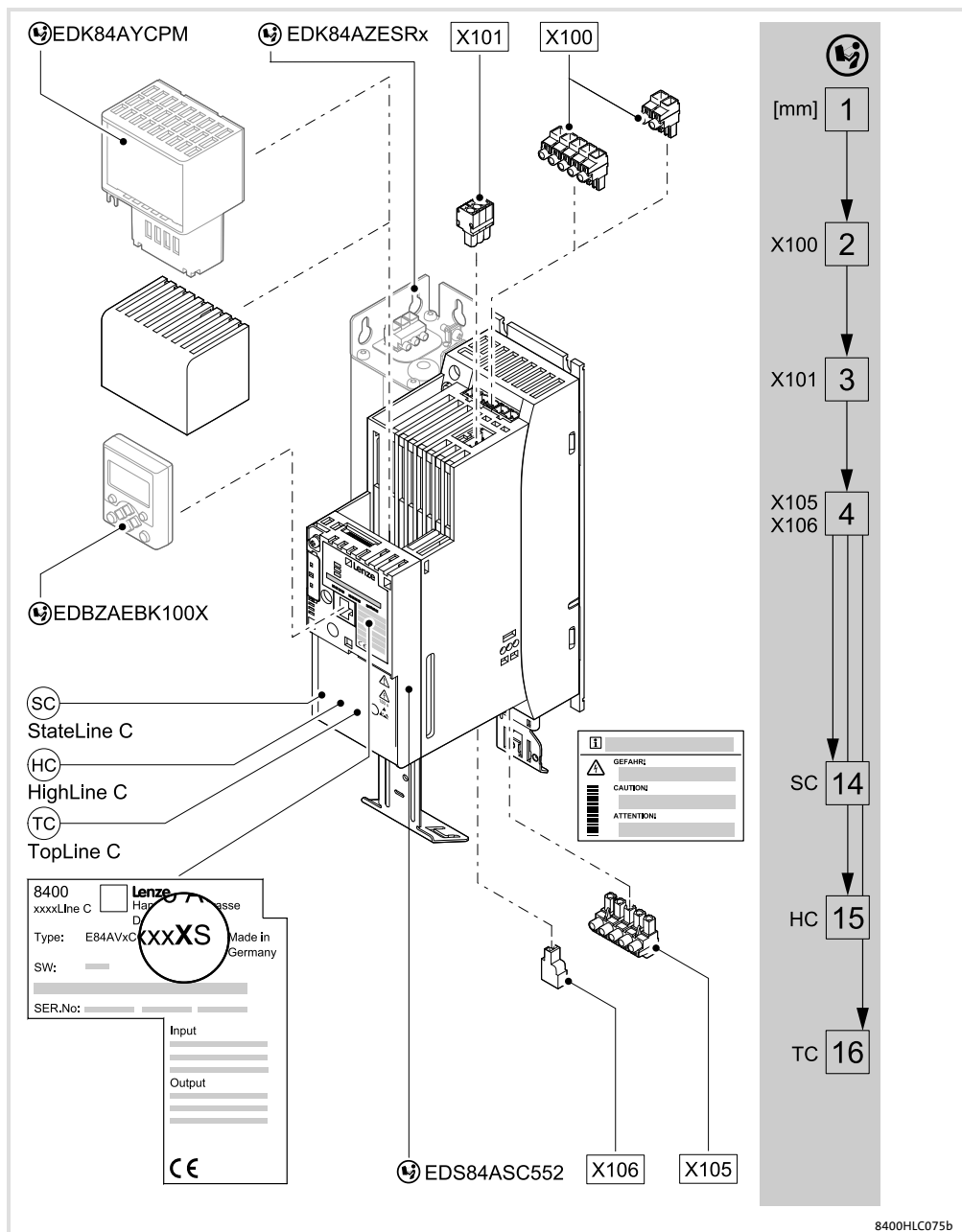
8400HLC075a



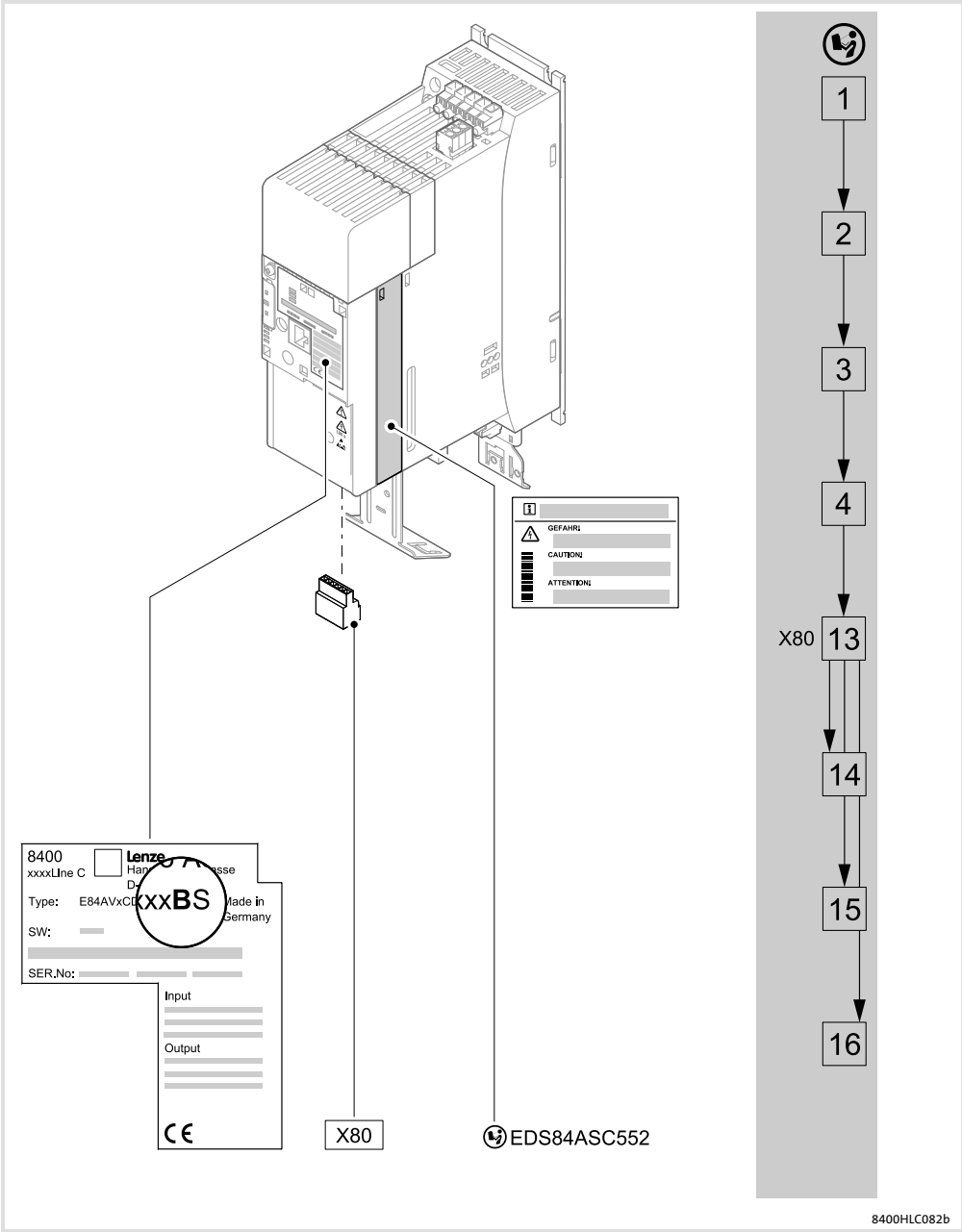
8400HLC082a



0.37 ... 3.0 kW



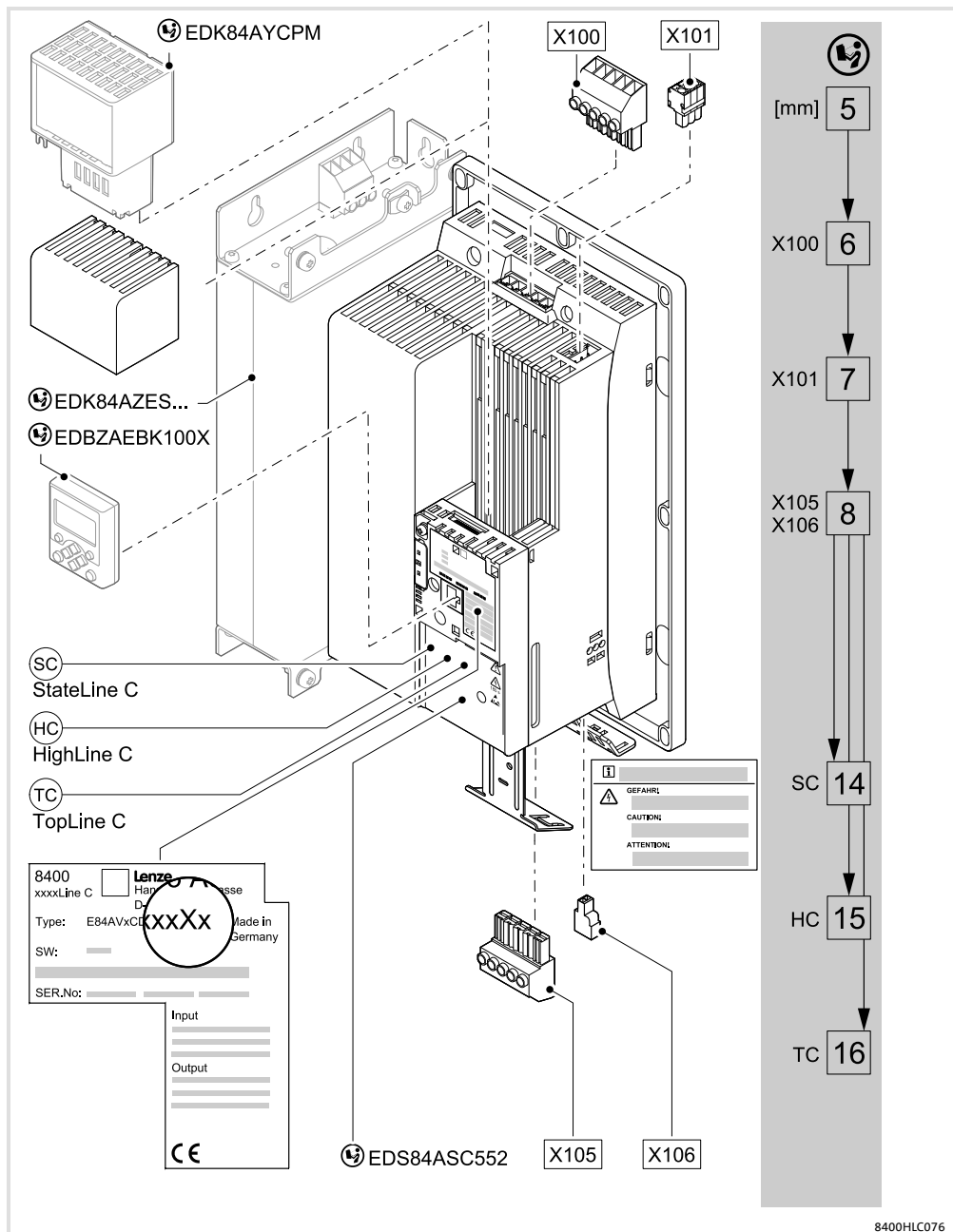
8400HLC075b



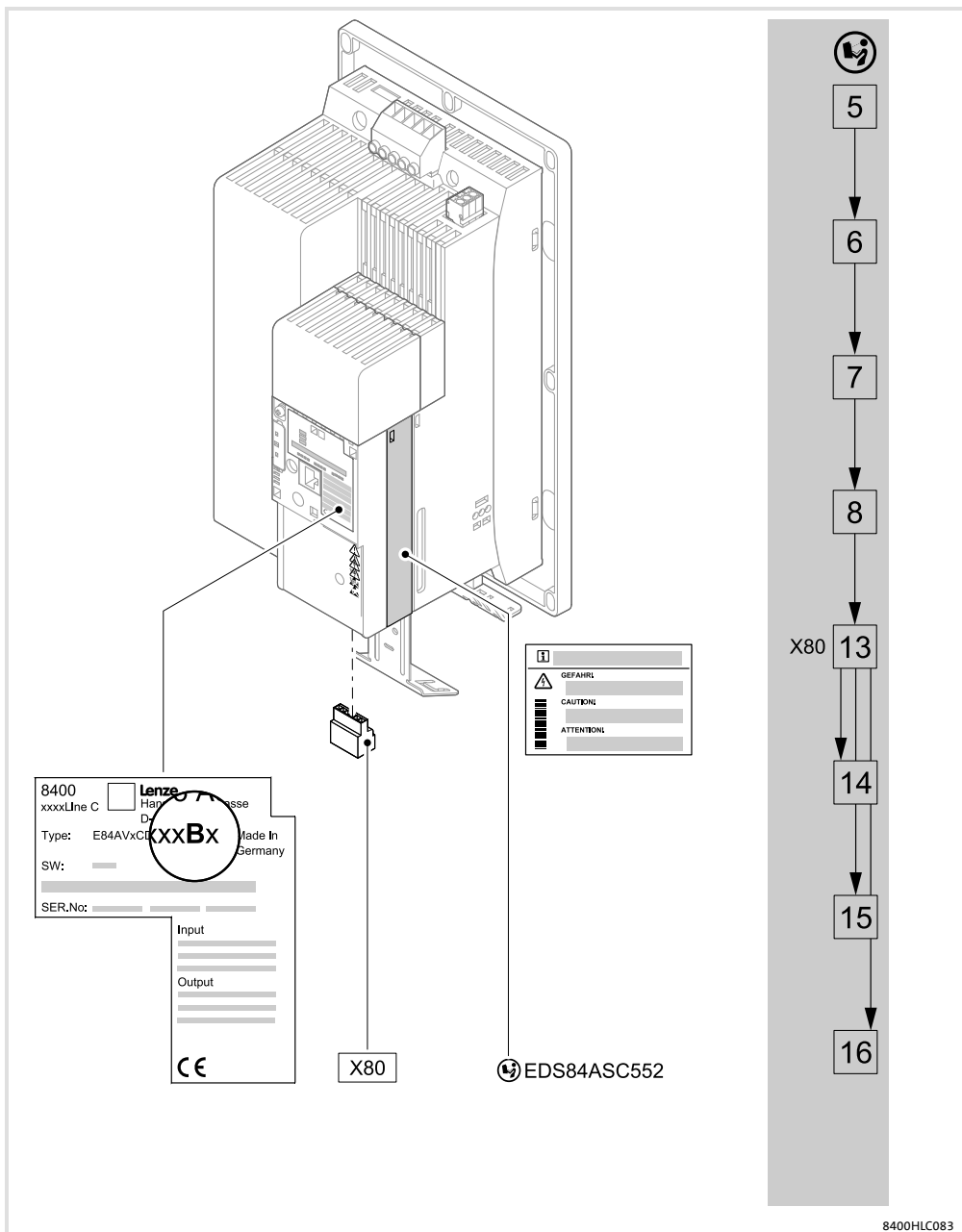
8400HLC082b



3.0 ... 22 kW

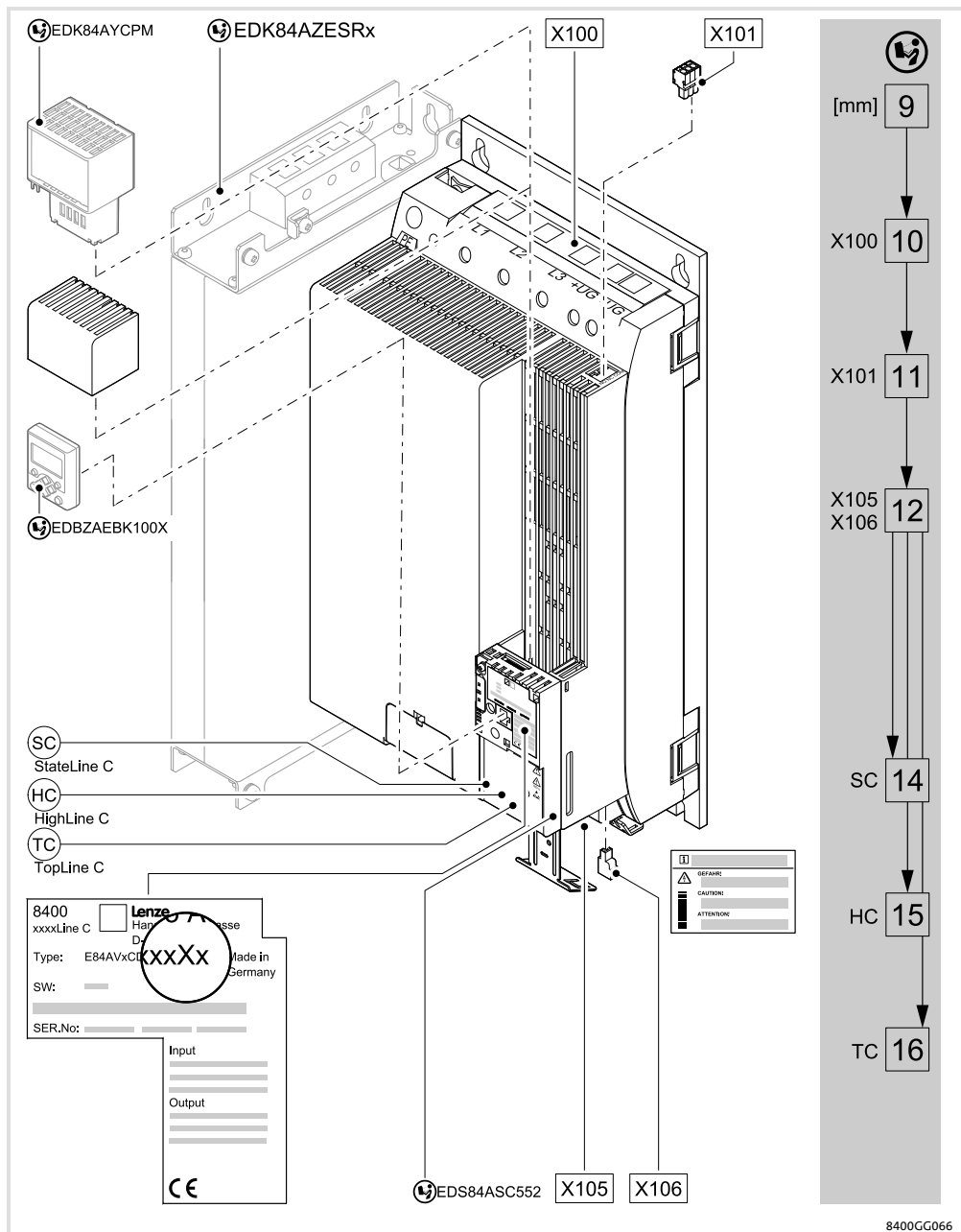


8400HLC076

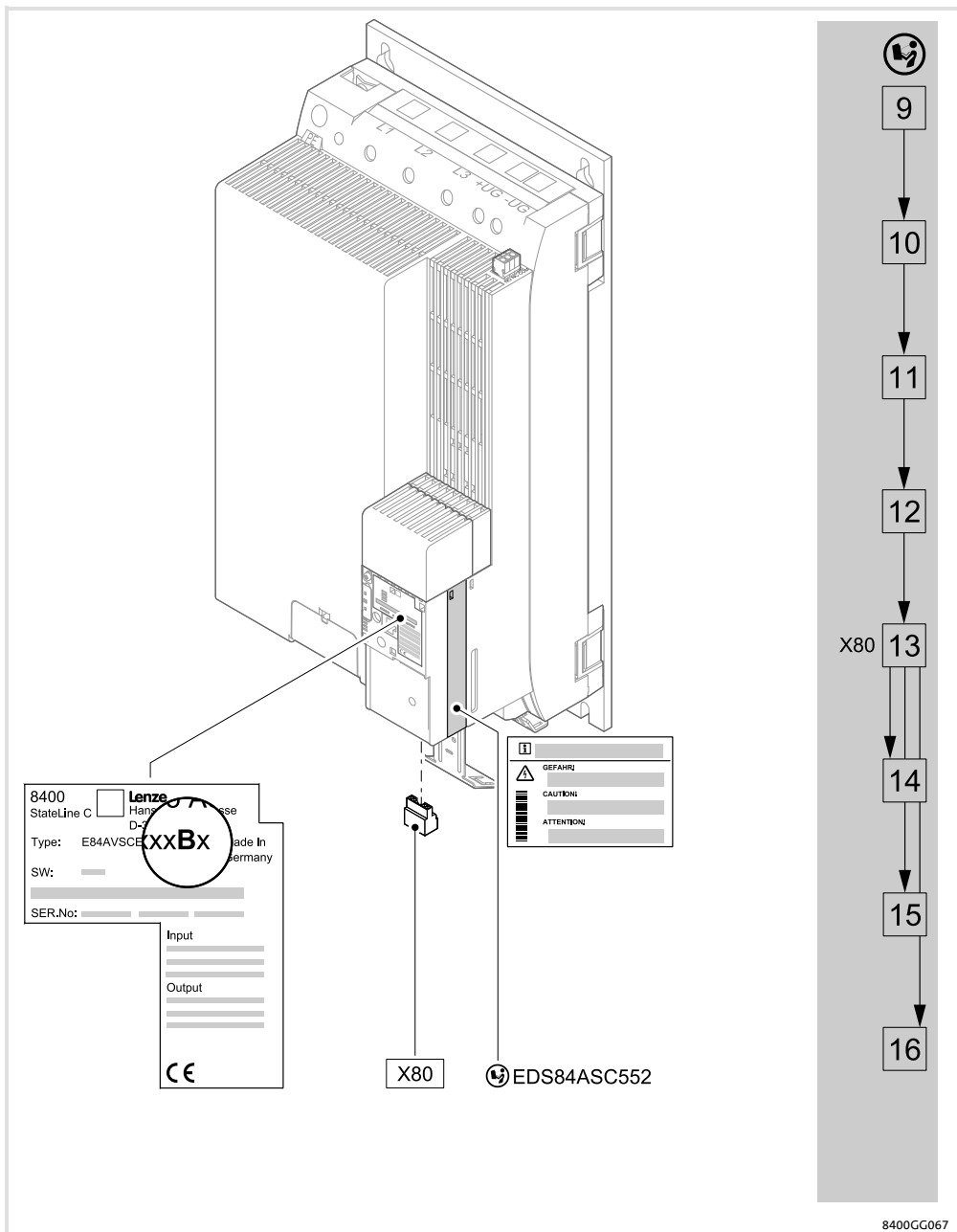




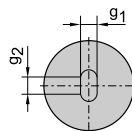
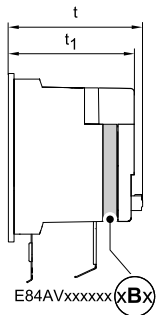
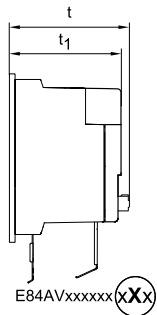
30 ... 45 kW



8400GG066



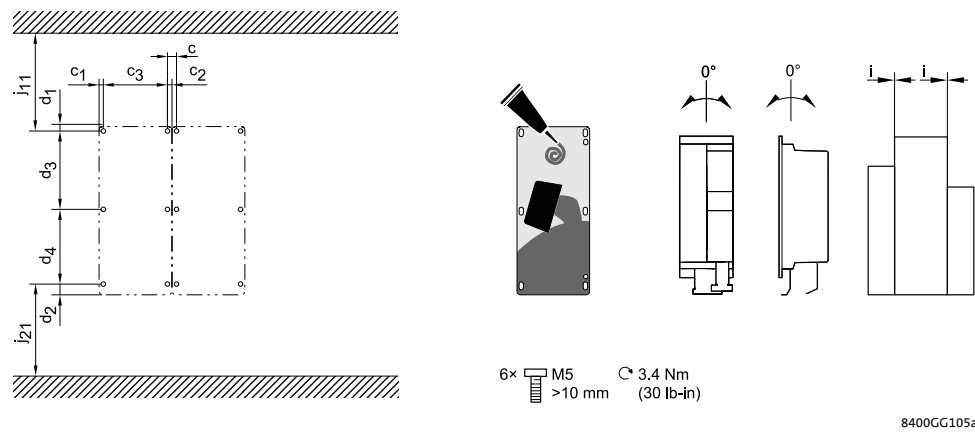
Technical drawing of a rectangular box. The drawing shows the box from a side perspective, with dimensions labeled: b (total width), b_1 (inner width), h (total height), and h_1 (inner height). The box has a lid and a base. A small circular detail is shown in a separate view, labeled with a circled 'c'.



8400GG105c

		h	b	t	h ₁	h ₂	b ₁	t ₁	g ₁	g ₂
	[kW]	[mm]								
E84AVxxC2512xX0	0.25	165	102	185	186	226	70	172	6	5
E84AVxxC3712xX0	0.37									
E84AVxxC3714xX0	0.37									
E84AVxxC551xxX0	0.55	215	102	163	236	276	70	150	6	5
E84AVxxC751xxX0	0.75									
E84AVxxC112xxX0	1.1									
E84AVxxC152xxX0	1.5	270	137	163	295	335	70	150	6	5
E84AVxxC222xxX0	2.2									
E84AVxxC2512xB0	0.25									
E84AVxxC3712xB0	0.37	165	102	205	186	226	70	192	6	5
E84AVxxC3714xB0	0.37									
E84AVxxC551xxB0	0.55									
E84AVxxC751xxB0	0.75	215	102	183	236	276	70	170	6	5
E84AVxxC112xxB0	1.1									
E84AVxxC152xxB0	1.5									
E84AVxxC222xxB0	2.2	270	137	183	295	335	70	170	6	5

StateLine, HighLine



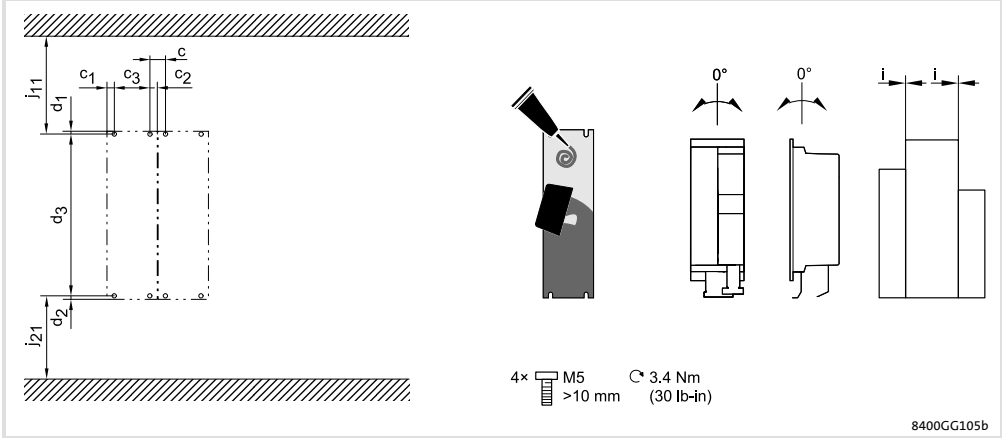
8400GG105a

		d ₁	d ₂	d ₃	d ₄	c	c ₁	c ₂	c ₃	i	j ₁₁	j ₂₁	
		[kW]	[mm]										
E84AVxxC2512xX0	0.25	10	10	85	80	12	6	6	90	0	> 95	> 95	1.3
E84AVxxC3712xX0	0.37												
E84AVxxC3714xX0	0.37												
E84AVxxC551xxX0	0.55	8.5	12.5	110	105	12	6	6	90	0	> 95	> 95	1.5
E84AVxxC751xxX0	0.75												
E84AVxxC112xxX0	1.1												
E84AVxxC152xxX0	1.5	12.5	12.5	135	135	12	6	6	125	0	> 95	> 95	2.0
E84AVxxC222xxX0	2.2												
E84AVxxC2512xB0	0.25												
E84AVxxC3712xB0	0.37	10	10	85	80	12	6	6	90	0	> 95	> 95	1.4
E84AVxxC3714xB0	0.37												
E84AVxxC551xxB0	0.55												
E84AVxxC751xxB0	0.75	8.5	12.5	110	105	12	6	6	90	0	> 95	> 95	1.6
E84AVxxC112xxB0	1.1												
E84AVxxC152xxB0	1.5												
E84AVxxC222xxB0	2.2	12.5	12.5	135	135	12	6	6	125	0	> 95	> 95	2.1

Technical drawings of the E84AV series connector. The left drawing is a side view showing dimensions b , h_1 , h_2 , and h . The middle drawing is a front view showing dimension t_1 , with a callout (X)X indicating a feature. The right drawing is a front view showing dimension t_1 , with a callout (X)B indicating a feature. The far right drawing is a top view showing dimensions g_1 and g_2 .

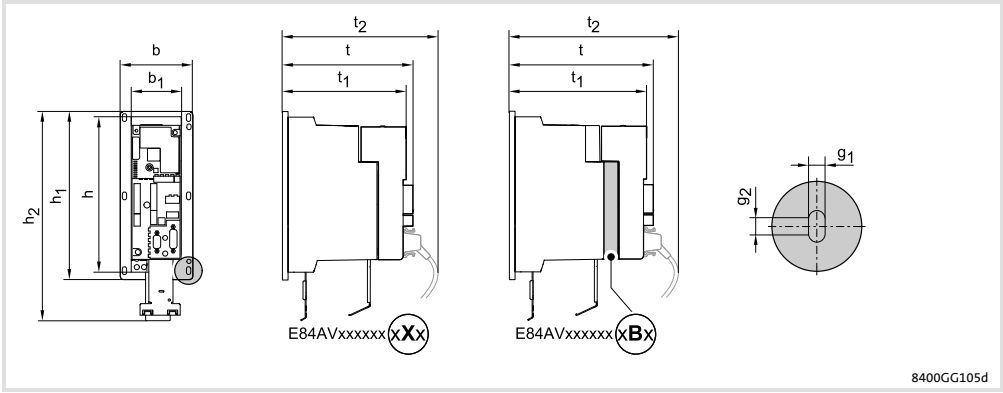
		h	b	t	h ₁	h ₂	t ₁	g ₁	g ₂
	[kW]	[mm]							
E84AVxxC3714xXS	0.37	215	70	163	236	276	150	6	5
E84AVxxC551xxXS	0.55								
E84AVxxC751xxXS	0.75								
E84AVxxC112xxXS	1.1	270	70	163	295	335	150	6	5
E84AVxxC152xxXS	1.5								
E84AVxxC222xxXS	2.2								
E84AVxxC3024xxXS	3.0								
E84AVxxC3714xB5	0.37	215	70	183	236	276	170	6	5
E84AVxxC551xxB5	0.55								
E84AVxxC751xxB5	0.75								
E84AVxxC112xxB5	1.1	270	70	183	295	335	170	6	5
E84AVxxC152xxB5	1.5								
E84AVxxC222xxB5	2.2								
E84AVxxC3024xB5	3.0								

StateLine, HighLine



		d ₁	d ₂	d ₃	c	c ₁	c ₂	c ₃	i	j ₁₁	j ₂₁	
		[kW]	[mm]									
E84AVxxC3714xXS	0.37	4	4	228	20	10	10	50	0	> 95	> 95	1.5
E84AVxxC551xxXS	0.55											
E84AVxxC751xxXS	0.75											
E84AVxxC112xxXS	1.1	5	5	285	20	10	10	50	0	> 95	> 95	2.0
E84AVxxC152xxXS	1.5											
E84AVxxC222xxXS	2.2											
E84AVxxC3024xXS	3.0											
E84AVxxC3714xB5	0.37	4	4	228	20	10	10	50	0	> 95	> 95	1.6
E84AVxxC551xxB5	0.55											
E84AVxxC751xxB5	0.75											
E84AVxxC112xxB5	1.1	5	5	285	20	10	10	50	0	> 95	> 95	2.1
E84AVxxC152xxB5	1.5											
E84AVxxC222xxB5	2.2											
E84AVxxC3024xB5	3.0											

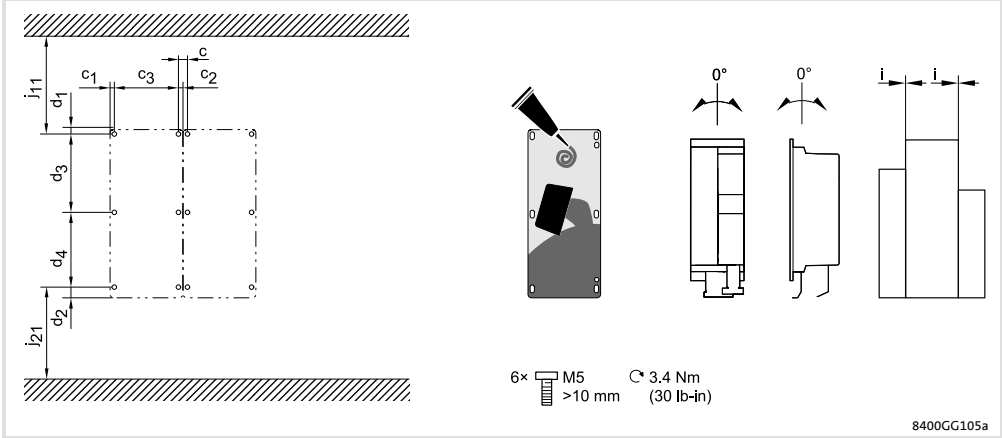
TopLine



8400GG105d

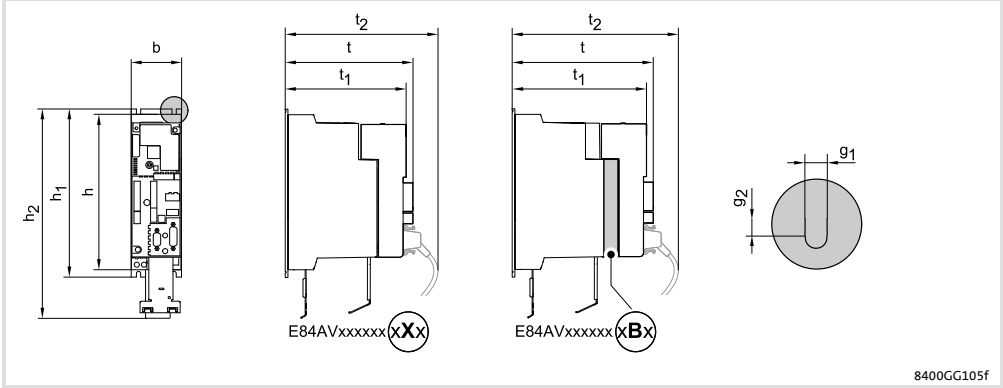
		h	b	t	h ₁	h ₂	b ₁	t ₁	t ₂	g ₁	g ₂
	[kW]	[mm]									
E84AVTCC551xx X0	0.55	215	102	178	236	276	70	165	205	6	5
E84AVTCC751xx X0	0.75										
E84AVTCC112xx X0	1.1										
E84AVTCC152xx X0	1.5	270	137	178	295	335	70	165	205	6	5
E84AVTCC222xx X0	2.2										
E84AVTCC551xx B0	0.55										
E84AVTCC751xx B0	0.75	215	102	198	236	276	70	185	225	6	5
E84AVTCC112xx B0	1.1										
E84AVTCC152xx B0	1.5										
E84AVTCC222xx B0	2.2	270	137	198	295	335	70	185	225	6	5

TopLine



		d ₁	d ₂	d ₃	d ₄	c	c ₁	c ₂	c ₃	i	j ₁₁	j ₂₁	
		[kW]	[mm]										
E84AVTCC551xxX0	0.55	8.5	12.5	110	105	12	6	6	90	0	> 95	> 95	1.7
E84AVTCC751xxX0	0.75												
E84AVTCC112xxX0	1.1												
E84AVTCC152xxX0	1.5	12.5	12.5	135	135	12	6	6	125	0	> 95	> 95	2.2
E84AVTCC222xxX0	2.2												
E84AVTCC551xxB0	0.55												
E84AVTCC751xxB0	0.75	8.5	12.5	110	105	12	6	6	90	0	> 95	> 95	1.8
E84AVTCC112xxB0	1.1												
E84AVTCC152xxB0	1.5												
E84AVTCC222xxB0	2.2	12.5	12.5	135	135	12	6	6	125	0	> 95	> 95	2.3

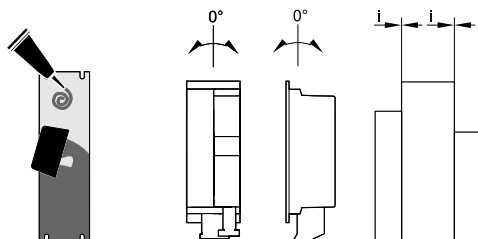
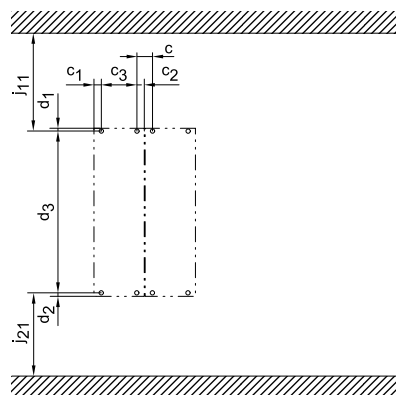
TopLine



8400GG105f

		h	b	t	h ₁	h ₂	t ₁	t ₂	g ₁	g ₂
	[kW]	[mm]								
E84AVTCC2512xXS	0.25	215	70	178	236	276	165	205	6	5
E84AVTCC371xxXS	0.37									
E84AVTCC551xxXS	0.55									
E84AVTCC751xxXS	0.75									
E84AVTCC112xxXS	1.1	270	70	178	295	335	165	205	6	5
E84AVTCC152xxXS	1.5									
E84AVTCC222xxXS	2.2									
E84AVTCC3024xXS	3.0									
E84AVTCC2512xB5	0.25	215	70	198	236	276	185	225	6	5
E84AVTCC371xxB5	0.37									
E84AVTCC551xxB5	0.55									
E84AVTCC751xxB5	0.75									
E84AVTCC112xxB5	1.1	270	70	198	295	335	185	225	6	5
E84AVTCC152xxB5	1.5									
E84AVTCC222xxB5	2.2									
E84AVTCC3024xB5	3.0									

TopLine

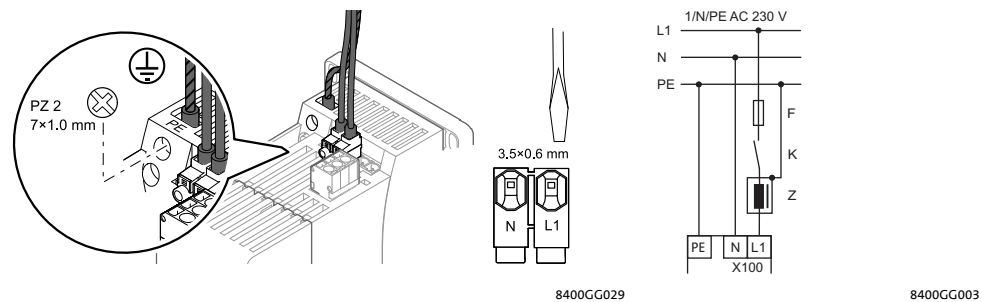


4×  M5
 >10 mm  3.4 Nm
 (30 lb-in)

8400GG105b

		d ₁	d ₂	d ₃	c	c ₁	c ₂	c ₃	i	j ₁₁	j ₂₁	
		[mm]										
E84AVTCC2512xXS	0.25	4	4	228	20	10	10	50	0	> 95	> 95	1.7
E84AVTCC371xxXS	0.37											
E84AVTCC551xxXS	0.55											
E84AVTCC751xxXS	0.75											
E84AVTCC112xxXS	1.1	5	5	285	20	10	10	50	0	> 95	> 95	2.2
E84AVTCC152xxXS	1.5											
E84AVTCC222xxXS	2.2											
E84AVTCC3024xXS	3.0											
E84AVTCC2512xB5	0.25	4	4	228	20	10	10	50	0	> 95	> 95	1.8
E84AVTCC371xxB5	0.37											
E84AVTCC551xxB5	0.55											
E84AVTCC751xxB5	0.75											
E84AVTCC112xxB5	1.1	5	5	285	20	10	10	50	0	> 95	> 95	2.3
E84AVTCC152xxB5	1.5											
E84AVTCC222xxB5	2.2											
E84AVTCC3024xB5	3.0											

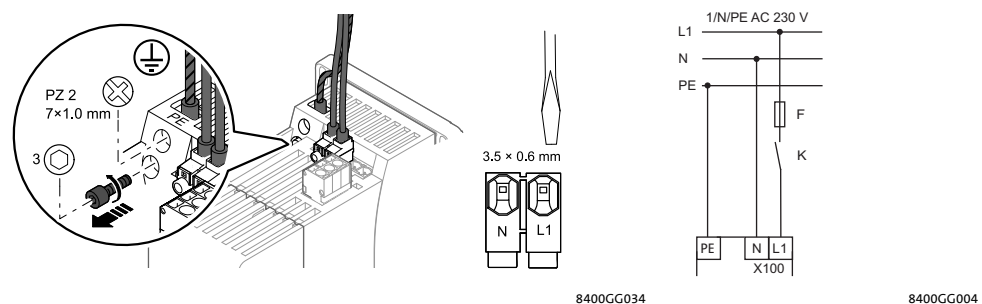
X100 - TN, TT



8400GG029

8400GG003

X100 - IT

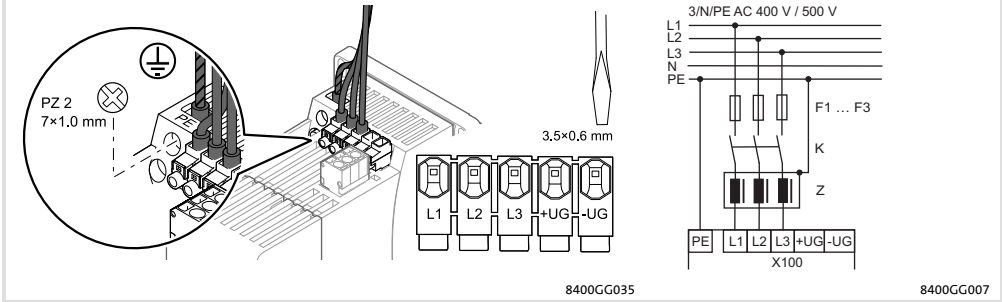


8400GG034

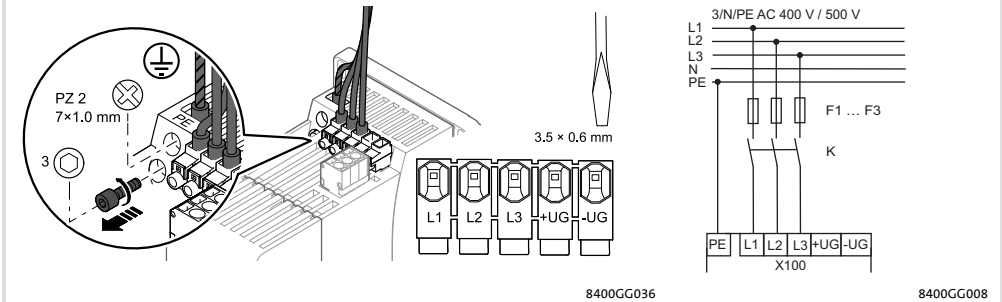
8400GG004

	F						L1, N			PE		
	EN 60204				UL							
	[A]		[A]		[A]	[A]	[mm ²] [AWG]	[mm]	[Nm] [lb-in]	[mm ²] [AWG]	[mm]	[Nm] [lb-in]
E84AVxxC2512	6	C6	6	C6	6	6	1 ... 2.5 18 ... 12	7	0.5 4.4	1 ... 6 18 ... 10	10	1.7 15
E84AVxxC3712	6	C6	6	C6	10	10						
E84AVxxC5512	10	C10	10	C10	10	10	1 ... 2.5 18 ... 12	7	0.5 4.4	1 ... 6 18 ... 10	10	1.7 15
E84AVxxC7512	10	C10	10	C10	15	15						
E84AVxxC1122	16	C16	16	C16	20	20						
E84AVxxC1522	16	C16	20	C20	25	25	1 ... 6 18 ... 10	8	0.5 4.4	1 ... 6 18 ... 10	10	1.7 15
E84AVxxC2222	20	C20	25	C25	30	30						

X100 - TN, TT

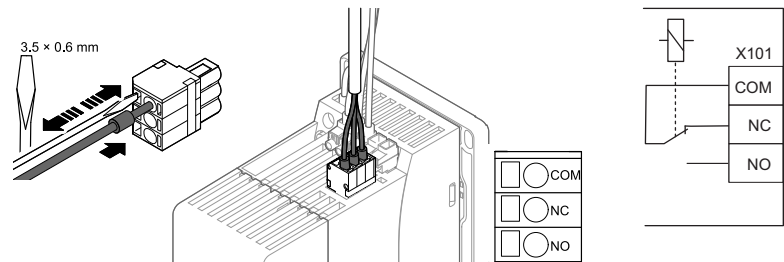


X100 - IT



	F						L1, L2, L3			PE		
	EN 60204				UL							
	[A]		[A]		[A]	[A]	[mm²] [AWG]	[mm]	[Nm] [lb-in]	[mm²] [AWG]	[mm]	[Nm] [lb-in]
E84AVxxC3714	6	C6	6	C6	6	6	1 ... 2.5 18 ... 12	7	0.5 4.4	1 ... 6 18 ... 10	10	1.7 15
E84AVxxC5514	6	C6	6	C6	6	6						
E84AVxxC7514	6	C6	6	C6	6	6						
E84AVxxC1124	6	C6	10	C10	10	10	1 ... 2.5 18 ... 12	7	0.5 4.4	1 ... 6 18 ... 10	10	1.7 15
E84AVxxC1524	6	C6	10	C10	10	10						
E84AVxxC2224	10	C10	10	C10	10	10						
E84AVxxC3024xxS	10	C10	16	C16	15	15						

X101

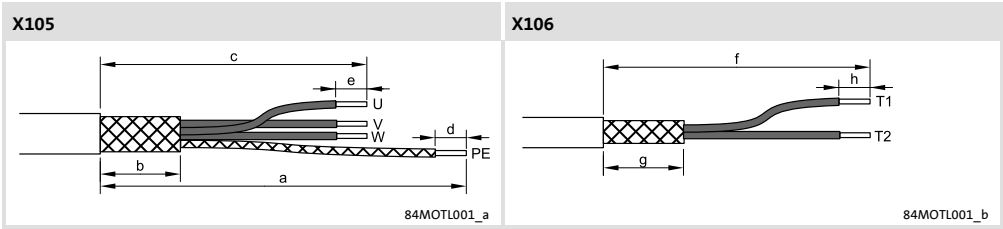
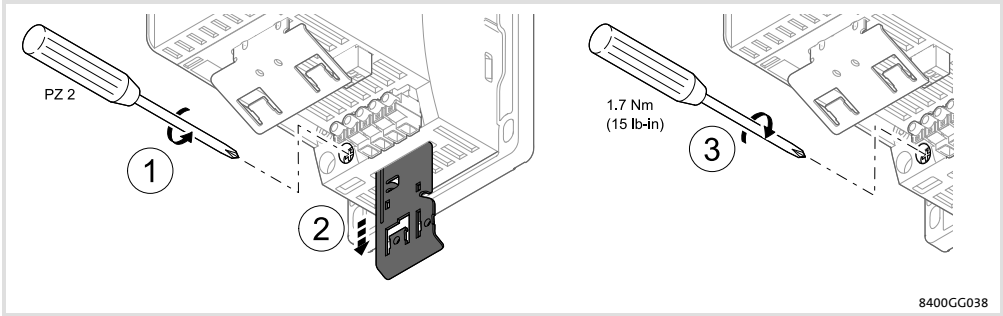


8400GG037

8400GG010

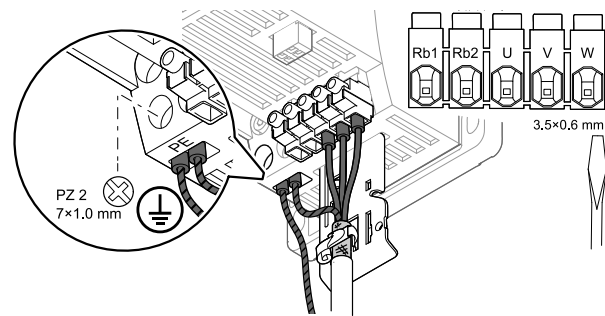
COM, NC, NO

		
	[mm²] [AWG]	[mm]
E84AVxxC2512 E84AVxxC3712	0.2 ... 1.5 24 ... 16	10
E84AVxxC3714 E84AVxxC551x E84AVxxC751x	0.2 ... 1.5 24 ... 16	10
E84AVxxC112x E84AVxxC152x E84AVxxC222x E84AVxxC3024xxS	0.2 ... 1.5 24 ... 16	10

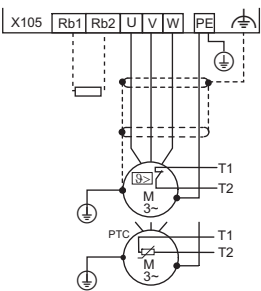


	U, V, W					PE				T1, T2			
	b	c	e			a	d			f	g	h	
	[mm]	[mm]	[mm]	[mm²] [AWG]	[Nm] [lb-in]	[mm]	[mm]	[mm²] [AWG]	[Nm] [lb-in]	[mm]	[mm]	[mm]	[mm²] [AWG]
E84AVxxC2512 E84AVxxC3712	25	65	7	1 ... 2.5 18 ... 12	0.5 4.4	90	9	1 ... 6 18 ... 10	1.7 15	95	25	10	0.2 ... 1.5 24 ... 16
E84AVxxC3714 E84AVxxC551x E84AVxxC751x	30	65	7	1 ... 2.5 18 ... 12	0.5 4.4	90	9	1 ... 6 18 ... 10	1.7 15	95	30	10	0.2 ... 1.5 24 ... 16
E84AVxxC112x E84AVxxC152x E84AVxxC222x E84AVxxC3024xxS	30	65	7	1 ... 2.5 18 ... 12	0.5 4.4	90	9	1 ... 6 18 ... 10	1.7 15	95	30	10	0.2 ... 1.5 24 ... 16

X105 - TN, TT

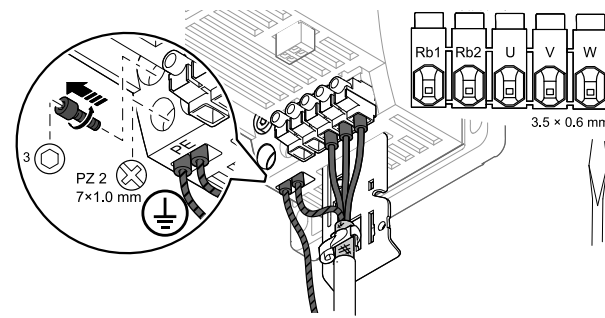


8400GG039

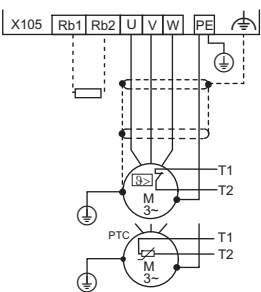


8400GG013

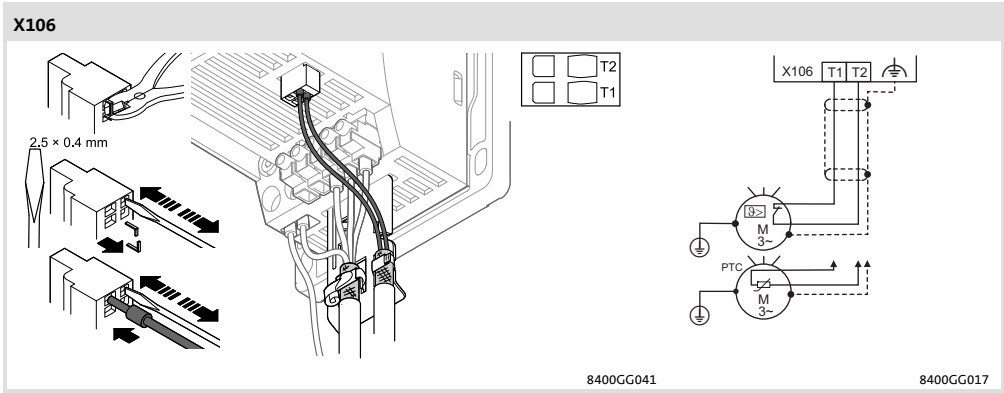
X105 - IT



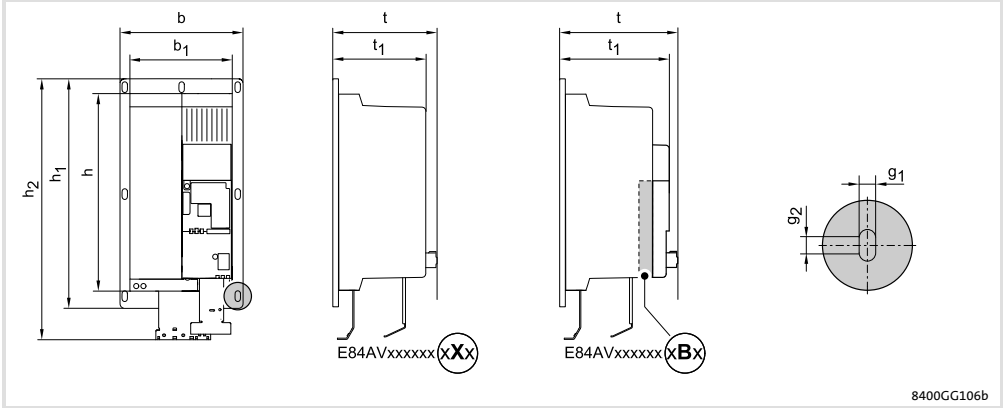
8400GG040



8400GG013



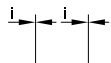
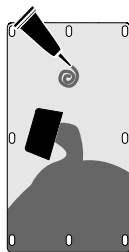
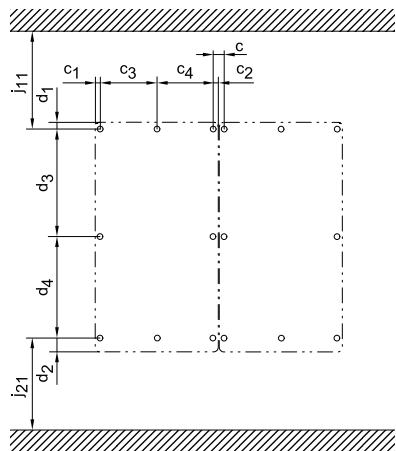
Stateline, HighLine



8400GG106b

	[kW]	h	b	t	h ₁	h ₂	b ₁	t ₁	g ₁	g ₂
		[mm]								
E84AVxxC3024x X0	3	270	174	141	318	366	140	128	6	5
E84AVxxC4024x Xx	4									
E84AVxxC5524x Xx	5.5									
E84AVxxC3024x B0	3	270	174	161	318	366	140	148	6	5
E84AVxxC4024x Bx	4									
E84AVxxC5524x Bx	5.5									

StateLine, HighLine

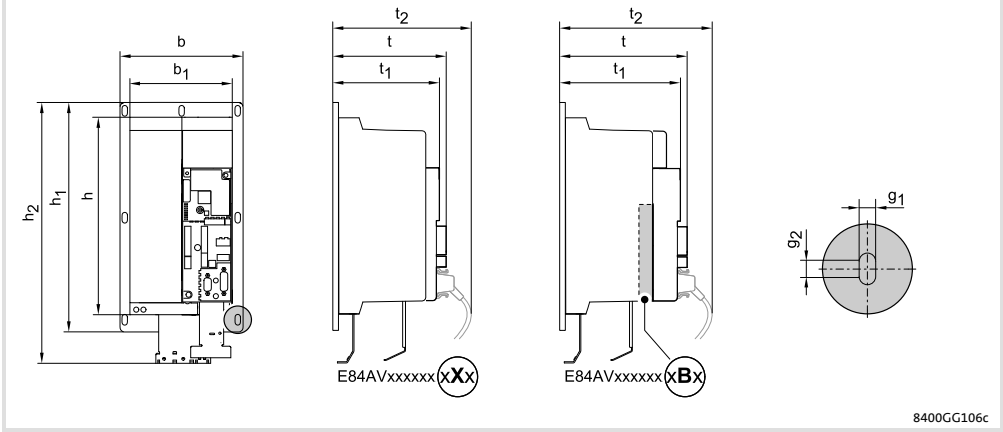


8x  M5  3.4 Nm
>10 mm (30 lb-in)

8400GG106a

		d ₁	d ₂	d ₃	d ₄	c	c ₁	c ₂	c ₃	c ₄	i	j ₁₁	j ₂₁	
	[kW]	[mm]												[kg]
E84AVxxC3024x X0	3	9	9	150	150	15	7	7	80	80	0	> 95	> 95	2.7
E84AVxxC4024x Xx	4													
E84AVxxC5524x Xx	5.5													
E84AVxxC3024x B0	3	9	9	150	150	15	7	7	80	80	0	> 95	> 95	2.8
E84AVxxC4024x Bx	4													
E84AVxxC5524x Bx	5.5													

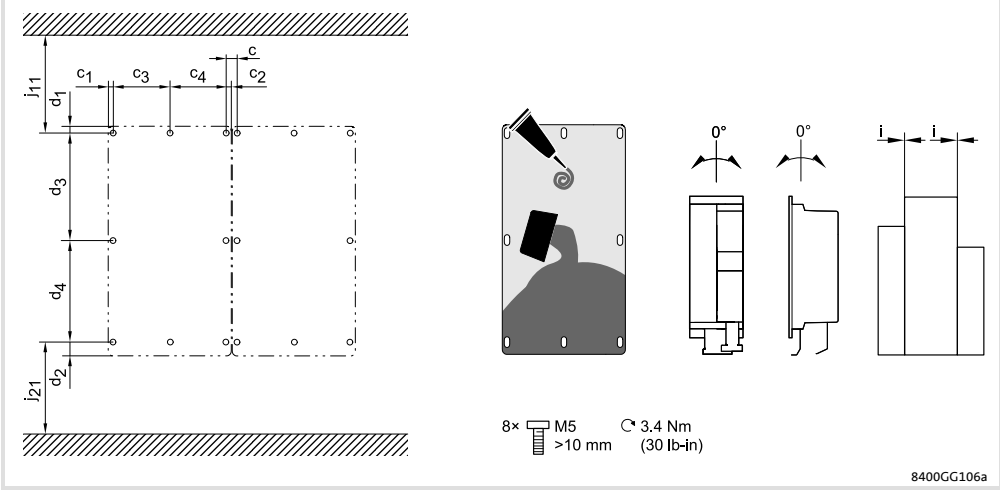
TopLine



8400GG106c

	[kW]	h	b	t	h ₁	h ₂	b ₁	t ₁	t ₂	g ₁	g ₂
		[mm]									
E84AVTCC3024xX0	3	270	174	156	318	366	140	143	182	6	5
E84AVTCC4024xXx	4										
E84AVTCC5524xXx	5.5										
E84AVTCC3024xB0	3	270	174	176	318	366	140	163	202	6	5
E84AVTCC4024xBx	4										
E84AVTCC5524xBx	5.5										

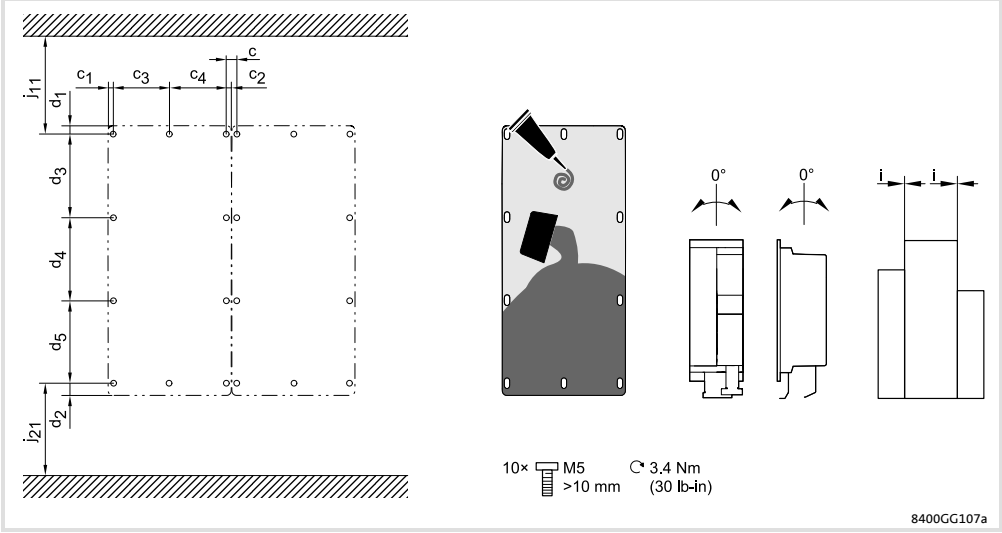
TopLine



		d ₁	d ₂	d ₃	d ₄	c	c ₁	c ₂	c ₃	c ₄	i	j ₁₁	j ₂₁	
		[mm]												[kg]
E84AVTCC3024x X0	3	9	9	150	150	15	7	7	80	80	0	> 95	> 95	2.9
E84AVTCC4024x Xx	4													
E84AVTCC5524x Xx	5.5													
E84AVTCC3024x B0	3	9	9	150	150	15	7	7	80	80	0	> 95	> 95	3.0
E84AVTCC4024x Bx	4													
E84AVTCC5524x Bx	5.5													

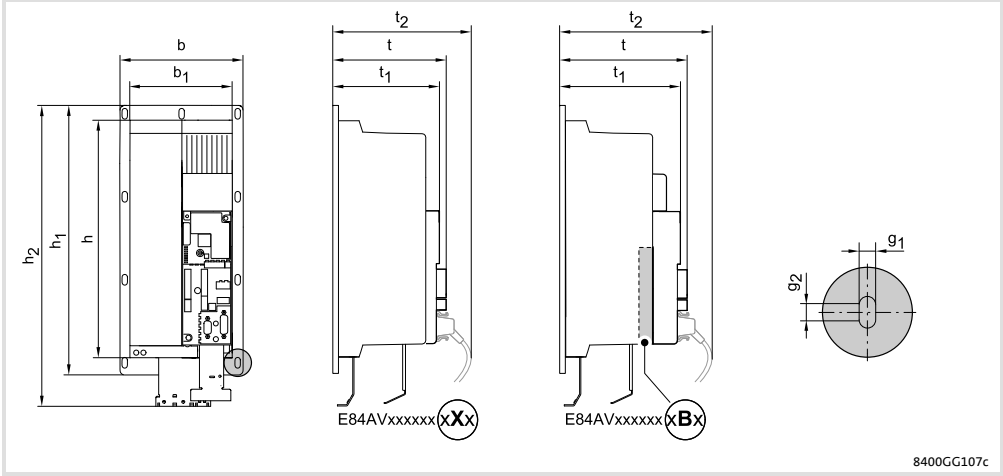
		h	b	t	h ₁	h ₂	b ₁	t ₁	g ₁	g ₂
	[kW]	[mm]								
E84AVxxC7524xXx	7.5	325	174	141	378	426	140	128	6	5
E84AVxxC1134xXx	11									
E84AVxxC1534xXx	15									
E84AVxxC1834xXx	18.5	350	231	164	407	458	205	151	6	7
E84AVxxC2234xXx	22									
E84AVxxC7524xBx	7.5									
E84AVxxC1134xBx	11	325	174	161	378	426	140	148	6	5
E84AVxxC1534xBx	15									
E84AVxxC1834xBx	18.5									
E84AVxxC2234xBx	22	350	231	184	407	458	205	171	6	7

StateLine, HighLine



		d_1	d_2	d_3	d_4	d_5	c	c_1	c_2	c_3	c_4	i	j_{11}	j_{21}	
	[kW]	[mm]													[kg]
E84AVxxC7524xXx	7.5	9	9	120	120	120	15	7	7	80	80	0	> 95	> 95	3.6
E84AVxxC1134xXx	11														
E84AVxxC1534xXx	15														
E84AVxxC1834xXx	18.5	8.5	8.5	130	130	130	15	5.5	5.5	110	110	0	> 95	> 95	9.3
E84AVxxC2234xXx	22														
E84AVxxC7524xBx	7.5	9	9	120	120	120	15	7	7	80	80	0	> 95	> 95	3.7
E84AVxxC1134xBx	11														
E84AVxxC1534xBx	15														
E84AVxxC1834xBx	18.5	8.5	8.5	130	130	130	15	5.5	5.5	110	110	0	> 95	> 95	9.4
E84AVxxC2234xBx	22														

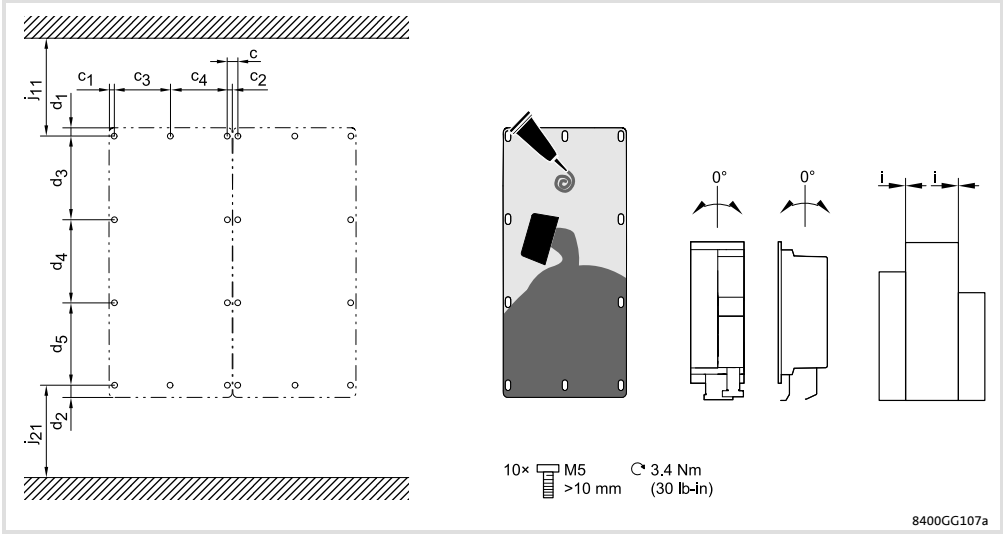
TopLine



8400GG107c

		h	b	t	h₁	h₂	b₁	t₁	t₂	g₁	g₂
	[kW]	[mm]									
E84AVTCC7524xXx	7.5	325	174	156	378	426	140	143	182	6	5
E84AVTCC1134xXx	11										
E84AVTCC1534xXx	15										
E84AVTCC1834xXx	18.5	350	231	179	407	458	205	166	205	6	7
E84AVTCC2234xXx	22										
E84AVTCC7524xBx	7.5										
E84AVTCC1134xBx	11	325	174	176	378	426	140	163	202	6	5
E84AVTCC1534xBx	15										
E84AVTCC1834xBx	18.5										
E84AVTCC2234xBx	22	350	231	199	407	458	205	186	225	6	7

TopLine



		d ₁	d ₂	d ₃	d ₄	d ₅	c	c ₁	c ₂	c ₃	c ₄	i	j ₁₁	j ₂₁	
		[mm]													
E84AVTCC7524xXx	7.5	9	9	120	120	120	15	7	7	80	80	0	> 95	> 95	3.8
E84AVTCC1134xXx	11														
E84AVTCC1534xXx	15														
E84AVTCC1834xXx	18.5	8.5	8.5	130	130	130	15	5.5	5.5	110	110	0	> 95	> 95	9.5
E84AVTCC2234xXx	22														
E84AVTCC7524xBx	7.5	9	9	120	120	120	15	7	7	80	80	0	> 95	> 95	3.9
E84AVTCC1134xBx	11														
E84AVTCC1534xBx	15														
E84AVTCC1834xBx	18.5	8.5	8.5	130	130	130	15	5.5	5.5	110	110	0	> 95	> 95	9.6
E84AVTCC2234xBx	22														

Technical drawing of the power supply unit showing terminal block connections and a terminal strip layout.

Terminal Block Connections:

- PE:** Ground connection (indicated by a ground symbol).
- PZ 2:** 7x1.0 mm terminal block.

Terminal Strip Layout:

3,5x0,6 mm (3,0 ... 5,5 kW)	5,5x1,0 mm (7,5 ... 15,0 kW)	6,5x1,0 mm (18,5 ... 22,0 kW)		
L1	L2	L3	+UG	-UG

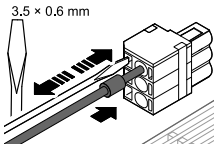
Diagram illustrating the connection of a 3-phase motor to a terminal block. The diagram shows the motor's terminal block and the corresponding terminal block on the control unit. The connection is made using a 3-core cable with dimensions 3.5x0.6 mm (3.0 ... 5.5 kW), 5.5x1.0 mm (7.5 ... 15.0 kW), and 6.5x1.0 mm (18.5 ... 22.0 kW). The terminal block is labeled with L1, L2, L3, +UG, and -UG.

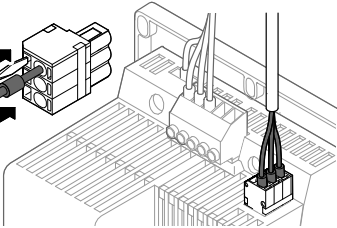
Diagram illustrating a 3-phase 4-wire system with PE (Protective Earth). The system includes three phase lines (L1, L2, L3) and a neutral line (N) and a protective earth line (PE). The PE line is connected to a terminal block (X100) which also includes terminals for L1, L2, L3, +UG, and -UG. The diagram shows three circuit breakers (F1...F3) connected between the phase lines and the PE line.

	F						L1, L2, L3			PE		
	EN 60204				UL							
												
												
[A]		[A]		[A]	[A]	[mm²] [AWG]	[mm]	[Nm] [lb-in]	[mm²] [AWG]	[mm]	[Nm] [lb-in]	
E84AVxxC3024xx0	10	C10	16	C16	15	15	1 ... 6 18 ... 10	14	0.5 4.4	2.5 ... 16 12 ... 6	14	3.4 30
E84AVxxC4024	16	C16	16	C16	20	20						
E84AVxxC5524	20	C20	25	C25	20	20						
E84AVxxC7524	20	C20	32	C32	20	25						
E84AVxxC1134	32	C32	32	C32	30	40	1 ... 16 18 ... 6	14	1.2 10.6	2.5 ... 16 12 ... 6	14	3.4 30
E84AVxxC1534	32	C32	-	-	40	-						
E84AVxxC1834	50	C50	80	C80	40	60						
E84AVxxC2234	63	C63	-	-	50	-	1.5 ... 25 16 ... 2	14	3.5 31	2.5 ... 25 12 ... 2	16	4.0 35

X101

3.5 × 0.6 mm





COM

NC

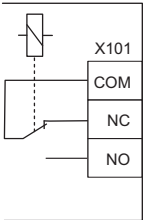
NO

X101

COM

NC

NO



8400GG079

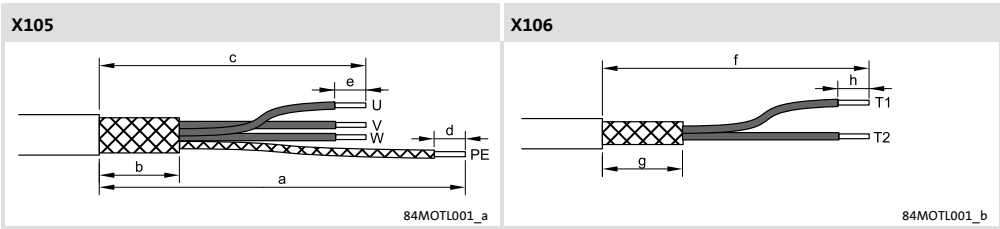
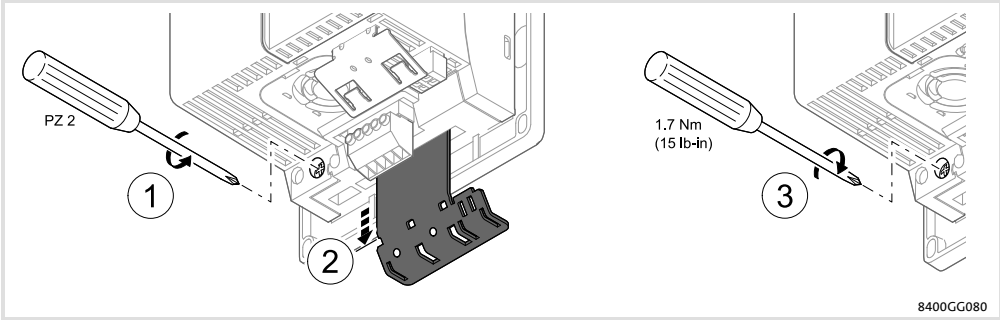
8400GG010

	COM, NC, NO	
		
	[mm²] [AWG]	[mm]
E84AVxxC3024xx0 E84AVxxC4024 E84AVxxC5524	0.2 ... 1.5 24 ... 16	10
E84AVxxC7524 E84AVxxC1134 E84AVxxC1534	0.2 ... 1.5 24 ... 16	10
E84AVxxC1834 E84AVxxC2234	0.2 ... 1.5 24 ... 16	10

EDK84VxCC153xxB EN/ZH 5.0

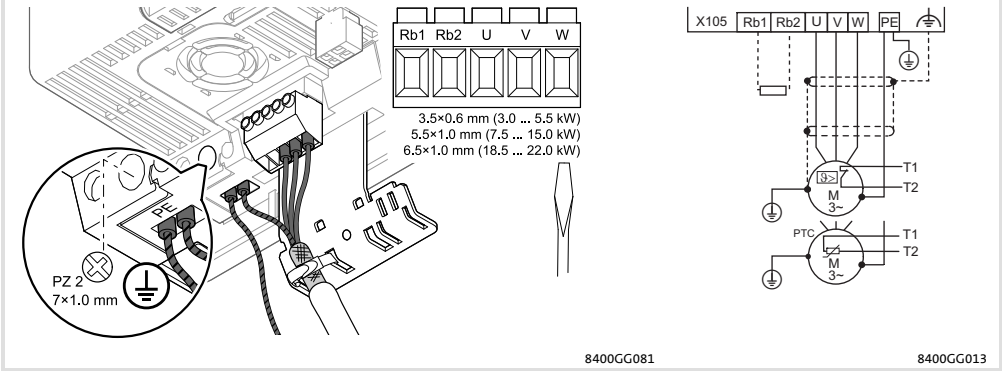
Lenze

35

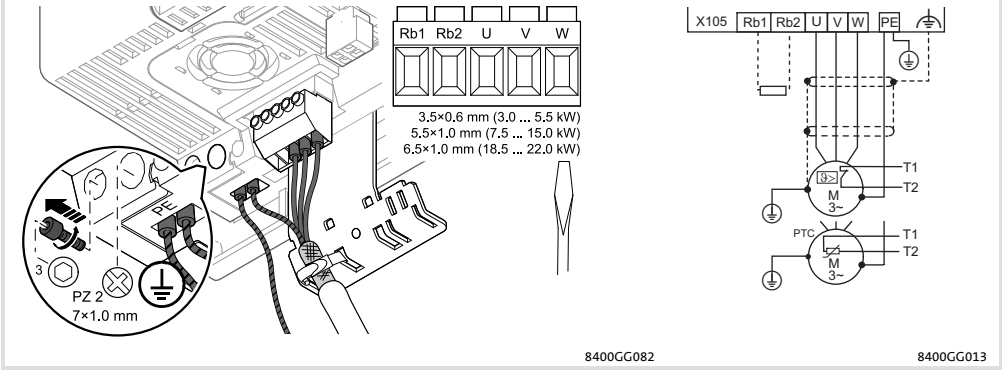


	U, V, W					PE				T1, T2			
	b	c	e			a	d			f	g	h	
	[mm]	[mm]	[mm]	[mm ²] [AWG]	[Nm] [lb-in]	[mm]	[mm]	[mm ²] [AWG]	[Nm] [lb-in]	[mm]	[mm]	[mm]	[mm ²] [AWG]
E84AVxxC3024xx0 E84AVxxC4024 E84AVxxC5524	25	70	14	1 ... 6 18 ... 10	0.5 4.4	125	14	2.5 ... 16 12 ... 6	3.4 30	105	25	10	0.2 ... 1.5 24 ... 16
E84AVxxC7524 E84AVxxC1134 E84AVxxC1534	25	80	14	1 ... 16 18 ... 6	1.2 10.6	120	14	2.5 ... 16 12 ... 6	3.4 30	115	25	10	0.2 ... 1.5 24 ... 16
E84AVxxC1834 E84AVxxC2234	30	110	16	1.5 ... 25 16 ... 2	3.5 31	195	16	2.5 ... 25 12 ... 2	4.0 35	160	30	10	0.2 ... 1.5 24 ... 16

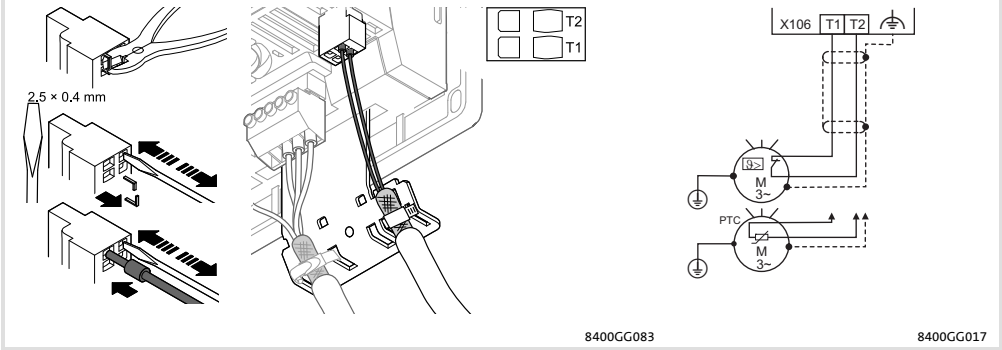
X105 - TN, TT



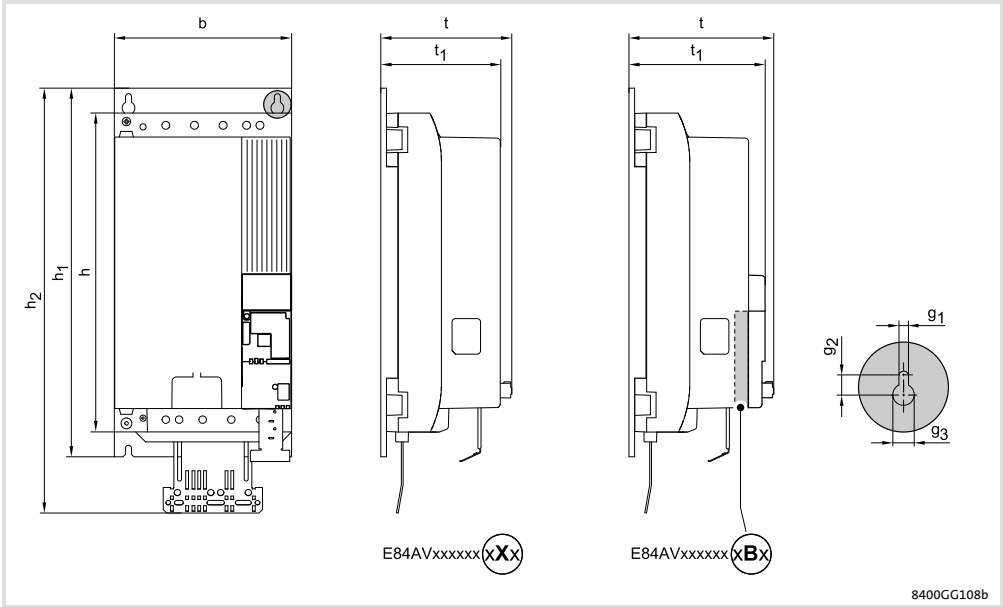
X105 - IT



X106



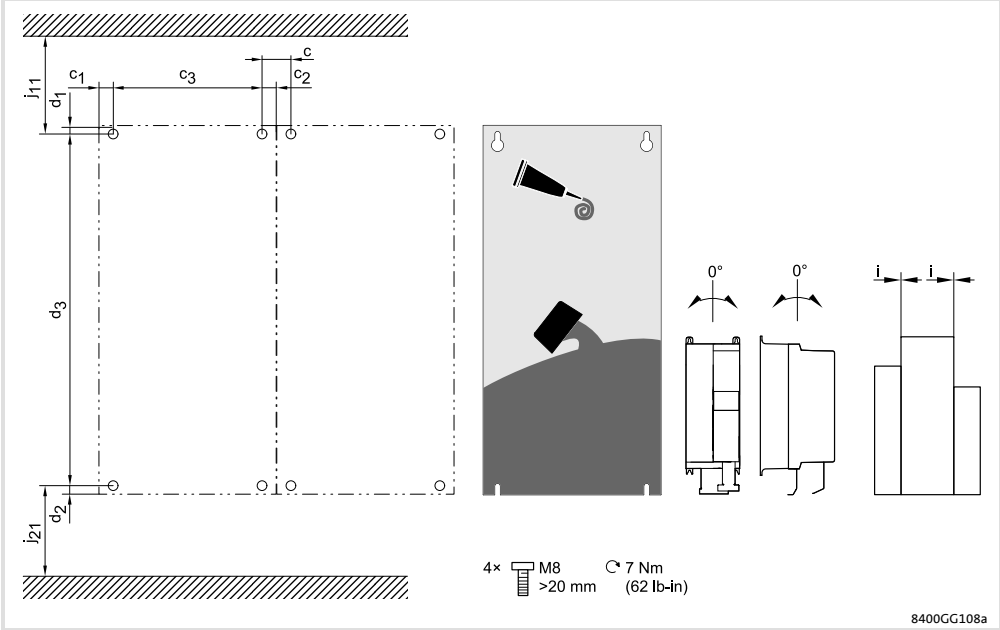
StateLine, HighLine



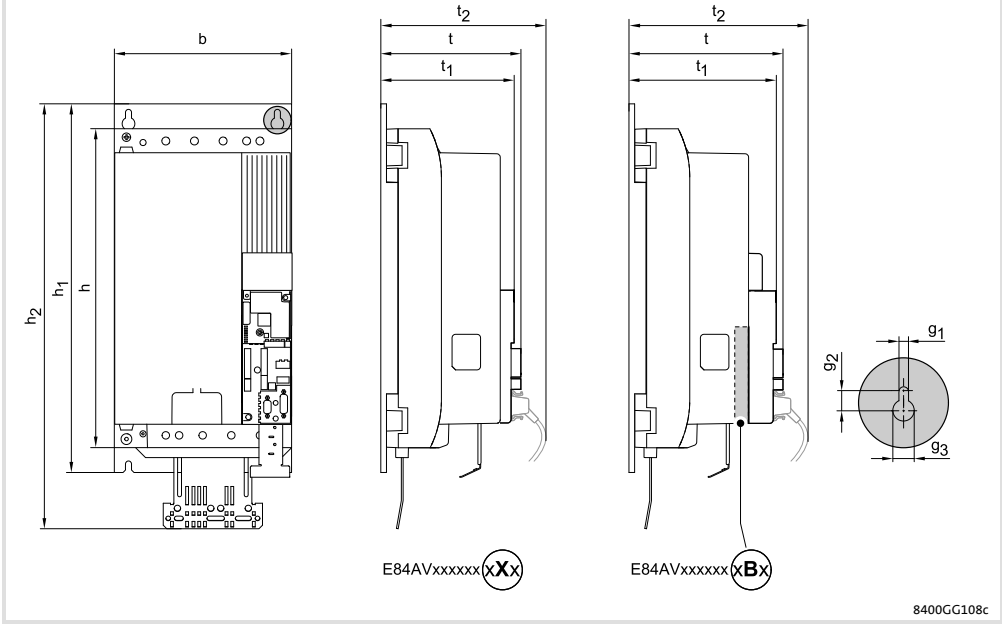
8400GG108b

	[kW]	h	b	t	h ₁	h ₂	t ₁	g ₁	g ₂	g ₃
		[mm]								
E84AVxxC3034xXx	30	450	250	184	520	636	171	8.5	16	18
E84AVxxC3734xXx	37									
E84AVxxC4534xXx	45									
E84AVxxC3034xBx	30	450	250	204	520	636	191	8.5	16	18
E84AVxxC3734xBx	37									
E84AVxxC4534xBx	45									

StateLine, HighLine



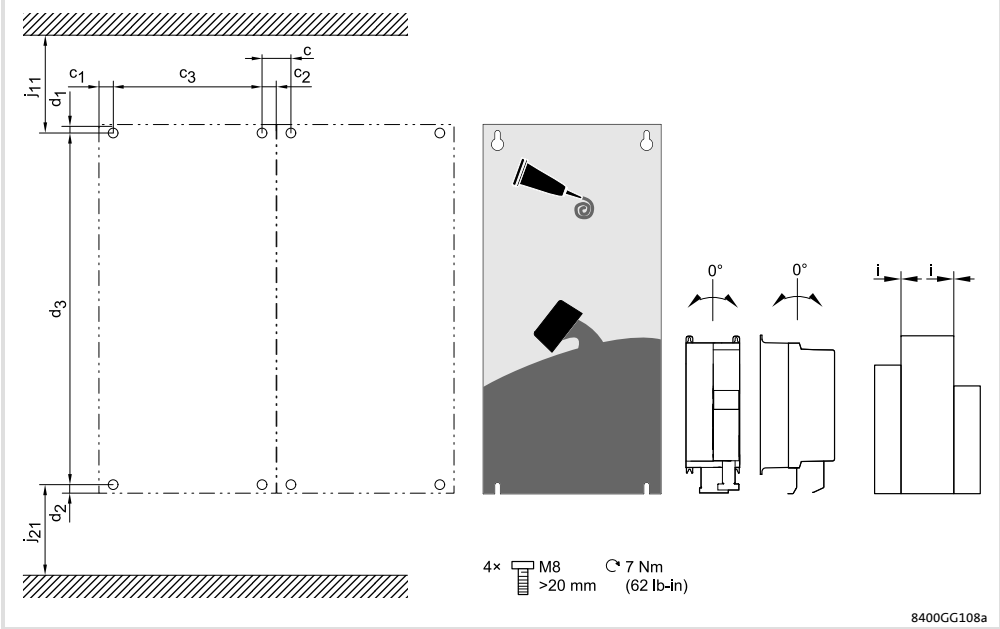
		d ₁	d ₂	d ₃	c	c ₁	c ₂	c ₃	i	j ₁₁	j ₂₁	
[kW]		[mm]										[kg]
E84AVxxC3034xXx	30	8	12	500	40	20	20	210	0	> 95	> 120	16.7
E84AVxxC3734xXx	37											
E84AVxxC4534xXx	45											
E84AVxxC3034xBx	30	8	12	500	40	20	20	210	0	> 95	> 120	16.8
E84AVxxC3734xBx	37											
E84AVxxC4534xBx	45											



8400GG108c

	[kW]	h	b	t	h ₁	h ₂	t ₁	t ₂	g ₁	g ₂	g ₃
		[mm]									
E84AVTCC3034xXx	30	450	250	199	520	636	186	225	8.5	16	18
E84AVTCC3734xXx	37										
E84AVTCC4534xXx	45										
E84AVTCC3034xBx	30	450	250	219	520	636	206	245	8.5	16	18
E84AVTCC3734xBx	37										
E84AVTCC4534xBx	45										

TopLine



		d ₁	d ₂	d ₃	c	c ₁	c ₂	c ₃	i	j ₁₁	j ₂₁	
		[mm]										[kg]
	[kW]	8	12	500	40	20	20	210	0	> 95	> 120	16.9
E84AVTCC3034xXx	30											
E84AVTCC3734xXx	37											
E84AVTCC4534xXx	45	8	12	500	40	20	20	210	0	> 95	> 120	17.0
E84AVTCC3034xBx	30											
E84AVTCC3734xBx	37											
E84AVTCC4534xBx	45											

X100 - TN, TT



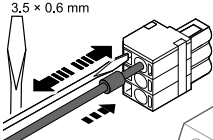
X100 - IT

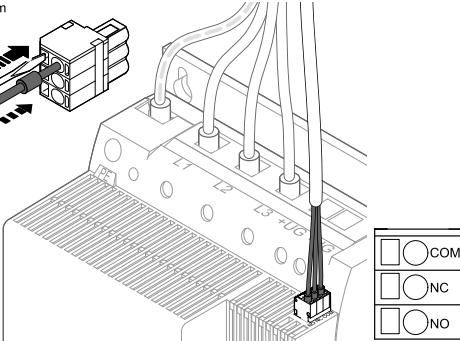


	F						L1, L2, L3			PE		
	EN 60204				UL							
												
	[A]		[A]		[A]	[A]						
E84AVxxC3034	80	C80	-	-	-	-	[mm²] [AWG]	[mm]	[Nm] [lb-in]	[mm²] [AWG]	[mm]	[Nm] [lb-in]
E84AVxxC3734	100	C100	-	-	-	-	16 ... 50 6 ... 0	24	4.0 35	2.5 ... 25 12 ... 2	16	4.0 35
E84AVxxC4534	125	C125	-	-	-	-						

X101

3,5 × 0,6 mm

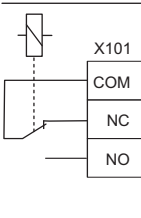




 COM

 NC

 NO



8400GG090f

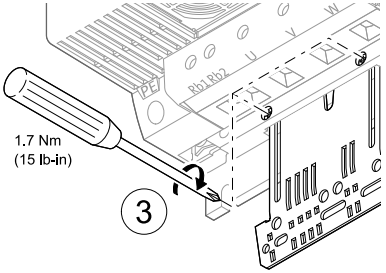
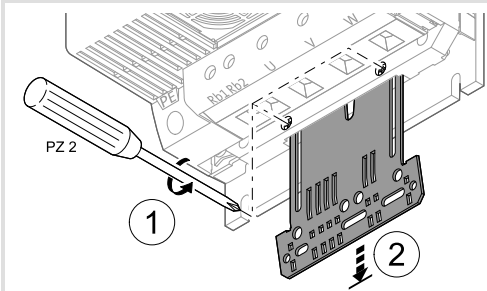
8400GG010

	COM, NC, NO	
		
	[mm²] [AWG]	[mm]
E84AVxxC3034 E84AVxxC3734 E84AVxxC4534	0.2 ... 1.5 24 ... 16	10

EDK84VxCC153xxB EN/ZH 5.0

Lenze

43

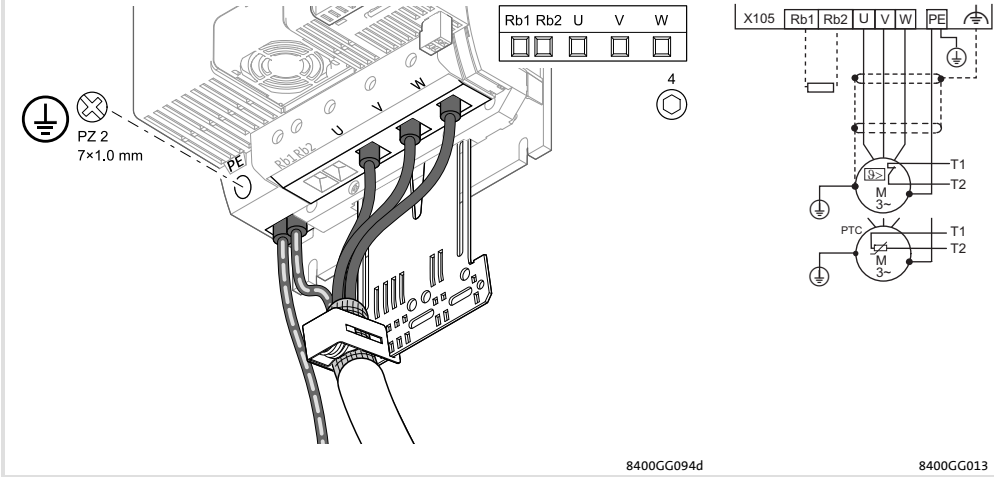


8400GG093b

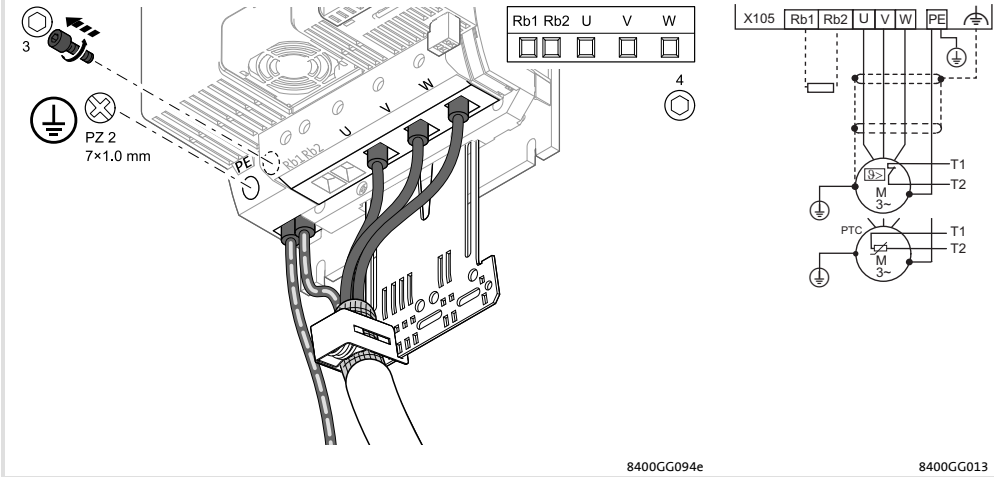
X105					X106				
84MOTL001_a					84MOTL001_b				

	U, V, W					PE				T1, T2			
	b	c	e			a	d			f	g	h	
	[mm]			[mm ²] [AWG]	[Nm] [lb-in]	[mm]		[mm ²] [AWG]	[Nm] [lb-in]	[mm]			[mm ²] [AWG]
E84AVxxC3034													
E84AVxxC3734	40	190	24	16 ... 50	4.0	250	16	2.5 ... 25	4.0	240	40	10	0.2 ... 1.5
E84AVxxC4534				6 ... 0	35			12 ... 2	35				24 ... 16

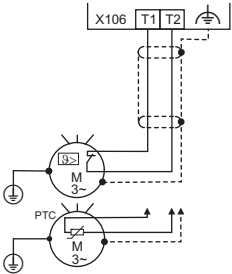
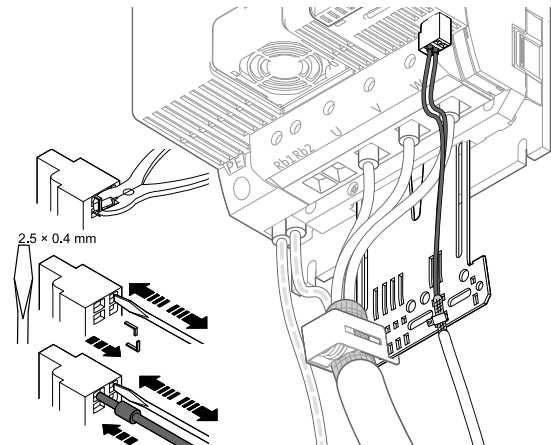
X105 - TN, TT



X105 - IT

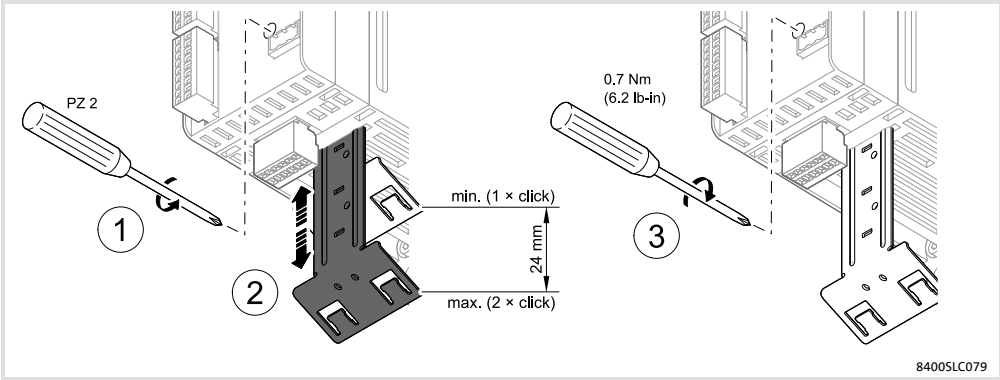


X106



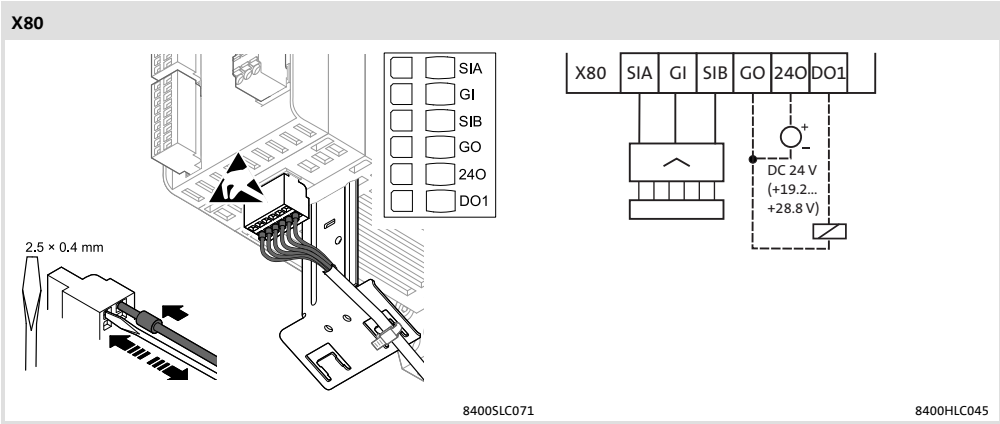
8400GG094f

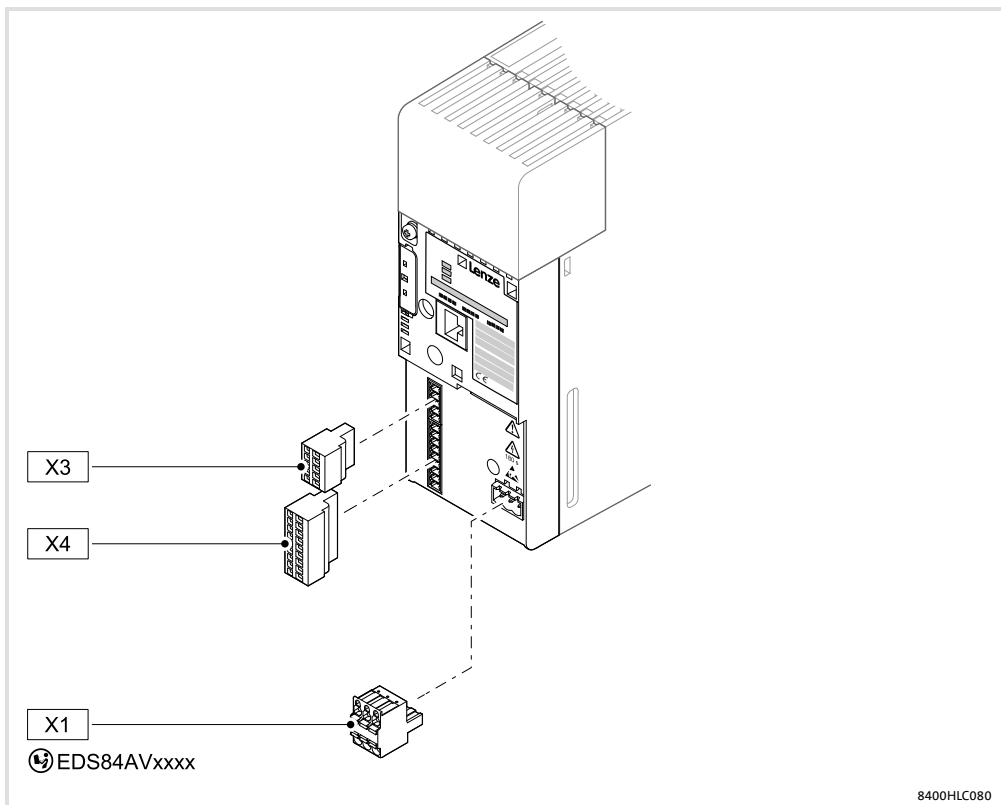
8400GG017

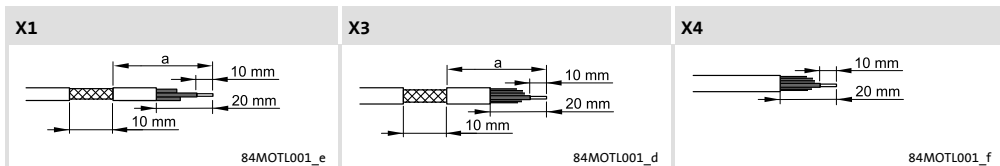
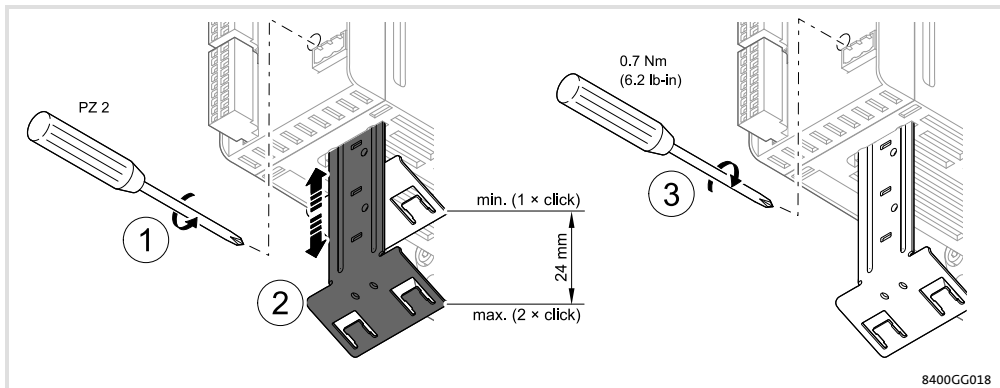


	
[mm]	[mm ²] [AWG]
10	0.2 ... 1.5
20	24 ... 16

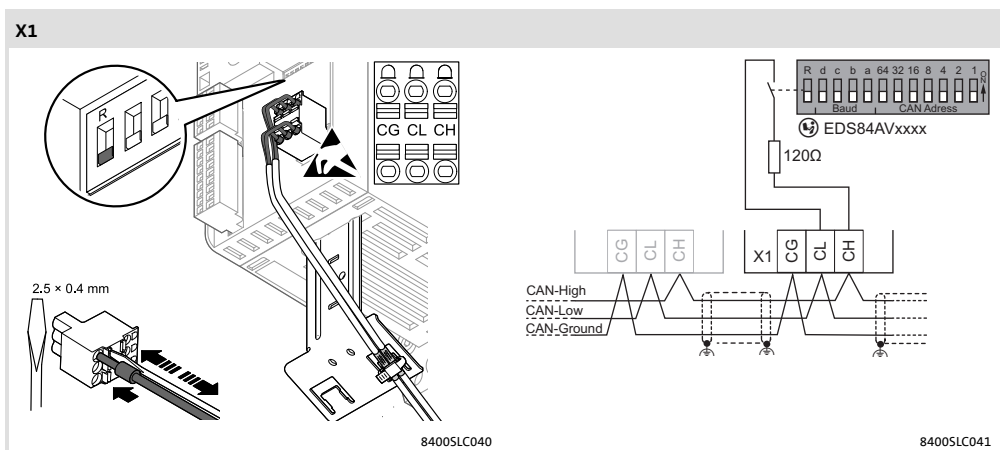
84MOTL001_g



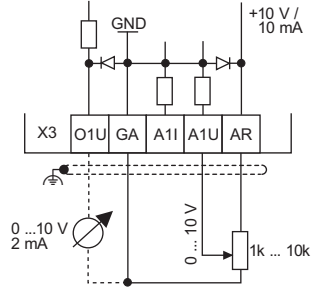
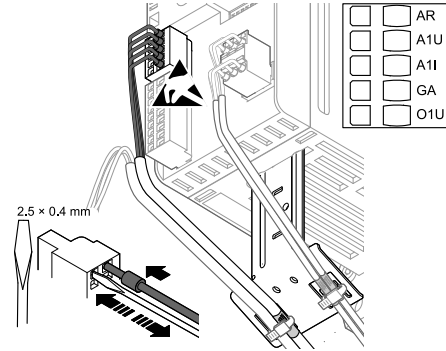




X1			X3			X4
						
min.	max.		min.	max.		
a [mm]	a [mm]	[mm ²] [AWG]	a [mm]	a [mm]	[mm ²] [AWG]	[mm ²] [AWG]
110	135	0.2 ... 1.5 24 ... 16	150	175	0.2 ... 1.5 24 ... 16	0.2 ... 1.5 24 ... 16



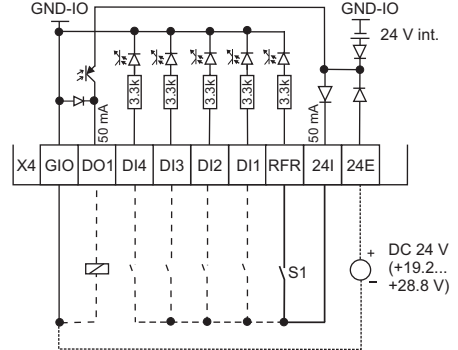
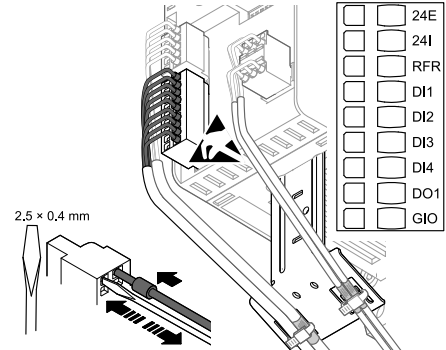
X3



8400SLC042

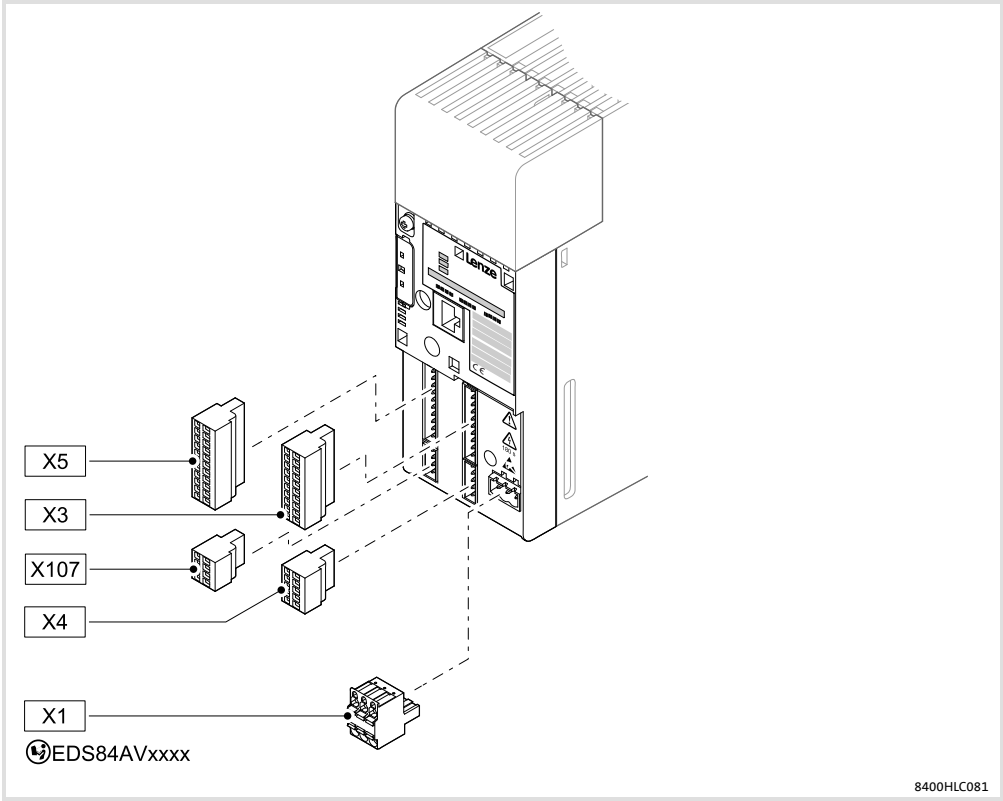
8400SLC043

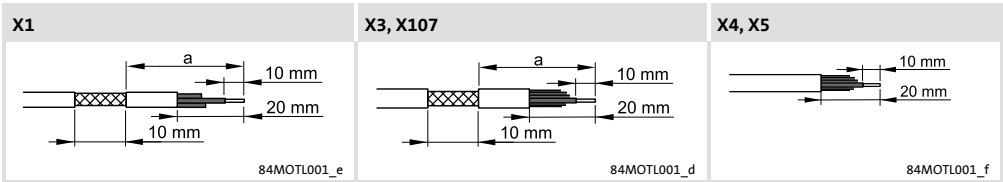
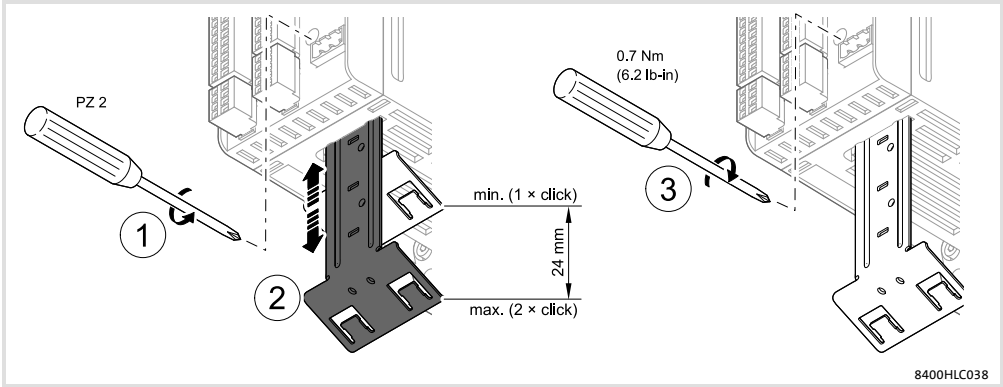
X4



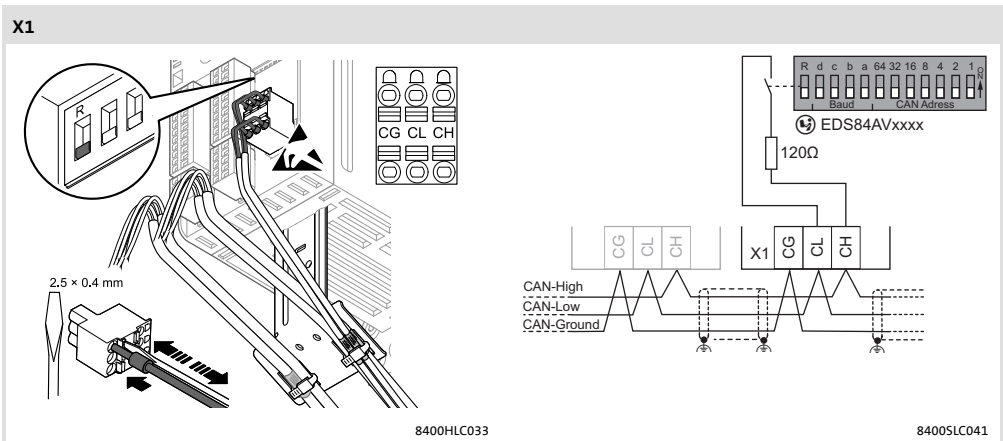
8400SLC044

8400SLC045

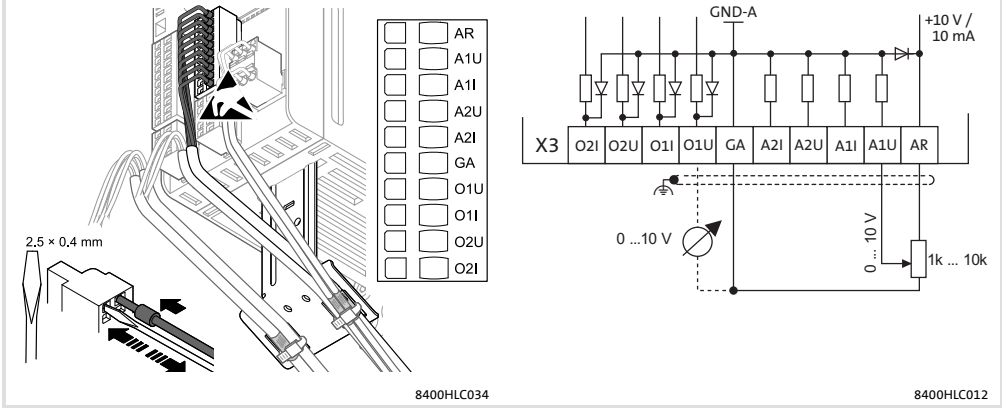




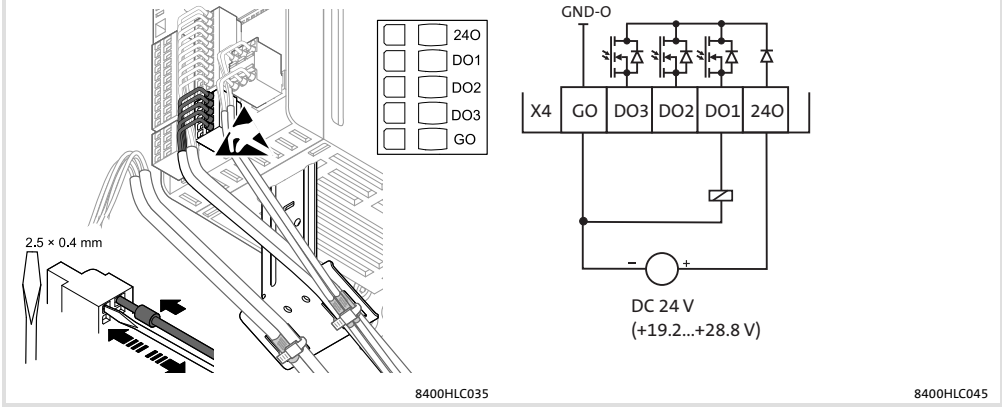
X1			X3, X107			X4, X5		X107		
min.	max.		min.	max.				min.	max.	
a [mm]	a [mm]	[mm ²] [AWG]	a [mm]	a [mm]	[mm ²] [AWG]	[mm ²] [AWG]	[mm ²] [AWG]	a [mm]	a [mm]	[mm ²] [AWG]
110	135	0.2 ... 1.5 24 ... 16	150	175	0.2 ... 1.5 24 ... 16	0.2 ... 1.5 24 ... 16	0.2 ... 1.5 24 ... 16	115	140	0.2 ... 1.5 24 ... 16



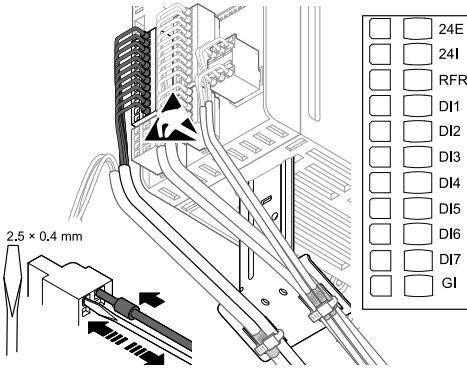
X3



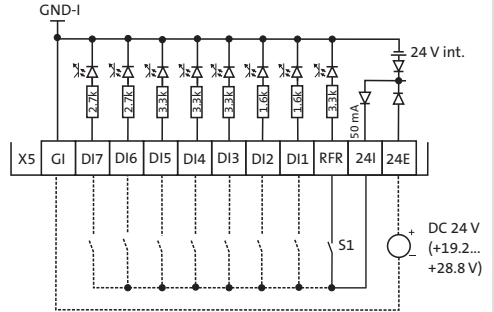
X4



X5

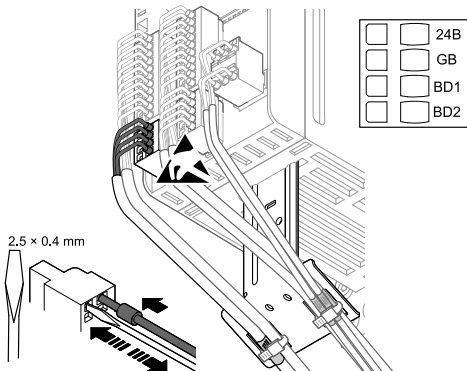


8400HLC036

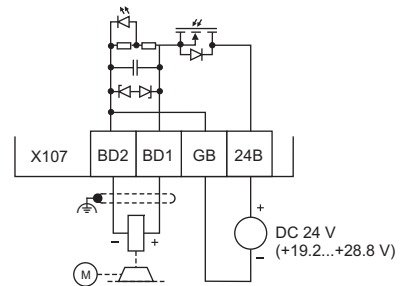


8400HLC045

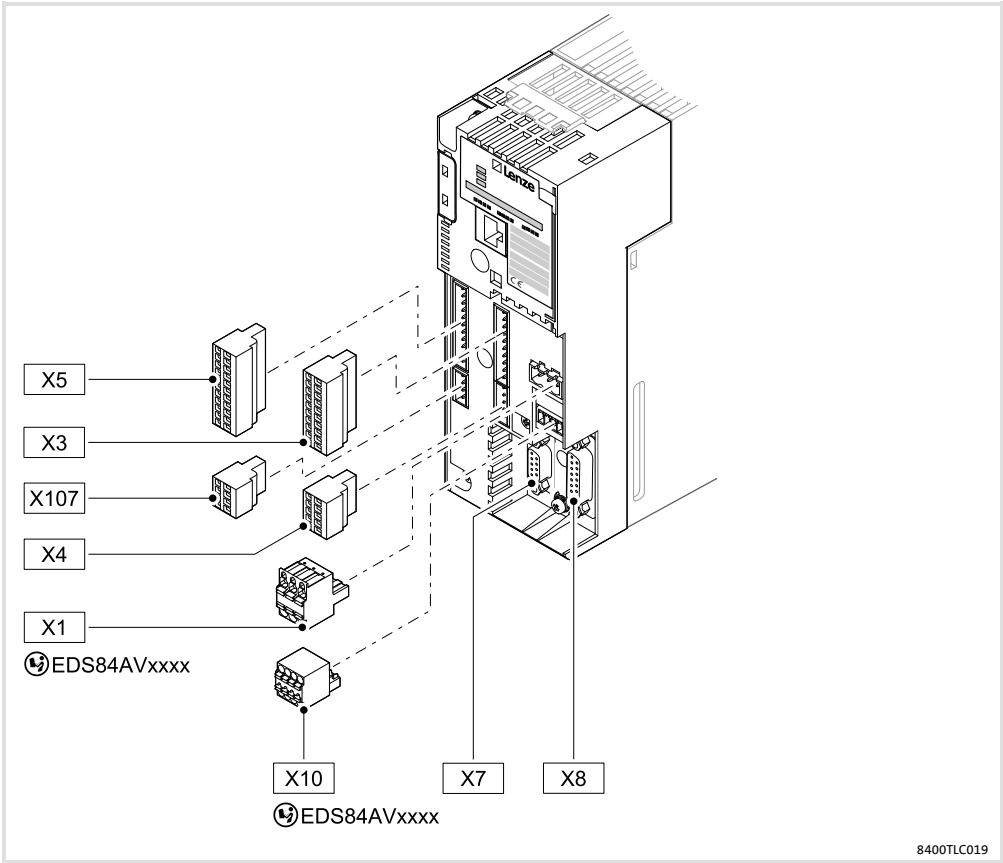
X107



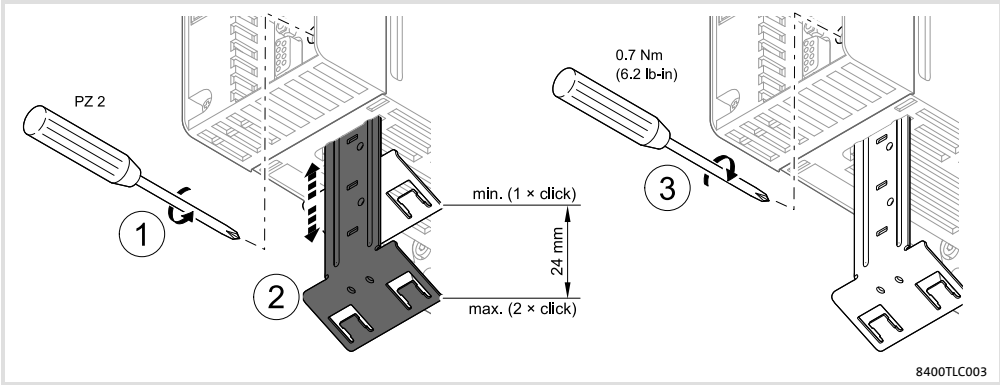
8400HLC037



8400HLC045



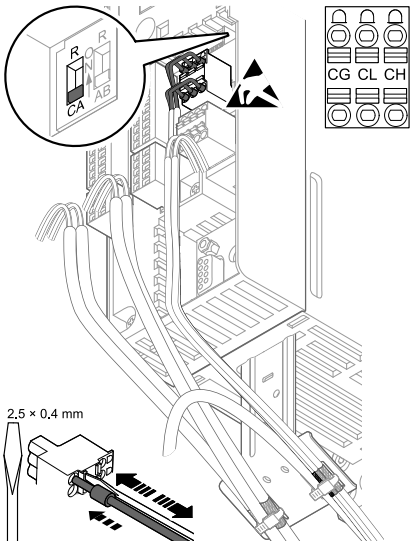
8400TLC019



X1, X10	X3, X107	X4, X5
84MOTL001_e	84MOTL001_d	84MOTL001_f

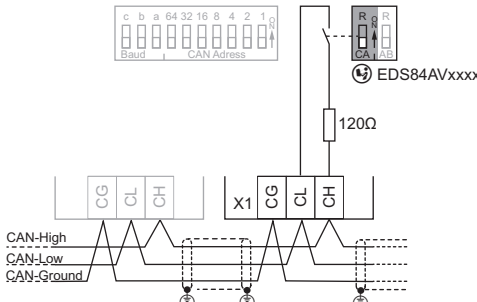
X1			X3			X4, X5	X10			X107		
												
min.	max.		min.	max.			min.	max.		min.	max.	
a [mm]	a [mm]	[mm ²] [AWG]	a [mm]	a [mm]	[mm ²] [AWG]	[mm ²] [AWG]	a [mm]	a [mm]	[mm ²] [AWG]	a [mm]	a [mm]	[mm ²] [AWG]
175	200	0.2 ... 1.5 24 ... 16	195	220	0.2 ... 1.5 24 ... 16	0.2 ... 1.5 24 ... 16	155	180	0.2 ... 1.5 24 ... 16	160	185	0.2 ... 1.5 24 ... 16

X1



CG	CL	CH
----	----	----

2.5 × 0.4 mm



CG CL CH

CG CL CH

CAN-High

CAN-Low

CAN-Ground

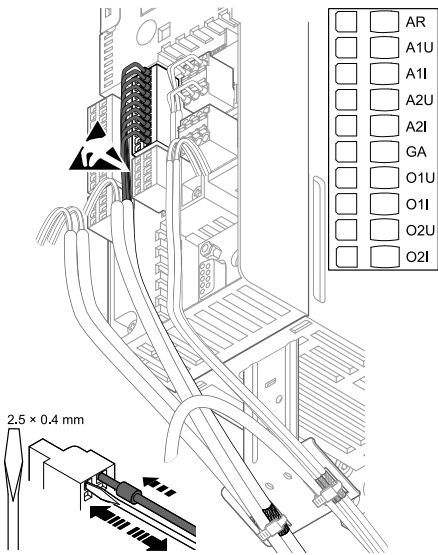
120Ω

EDS84Vxxxx

8400TLC002a

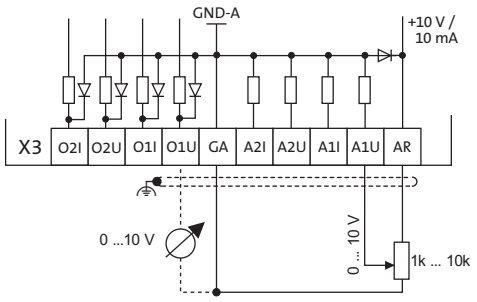
8400TLC008

X3



AR	A1U	A1I	A2U	A2I	GA	O1U	O1I	O2U	O2I
----	-----	-----	-----	-----	----	-----	-----	-----	-----

2.5 × 0.4 mm



GND-A

+10 V / 10 mA

X3

O2I O2U O1I O1U GA A2I A2U A1I A1U AR

0 ... 10 V

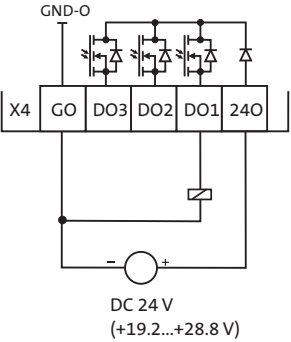
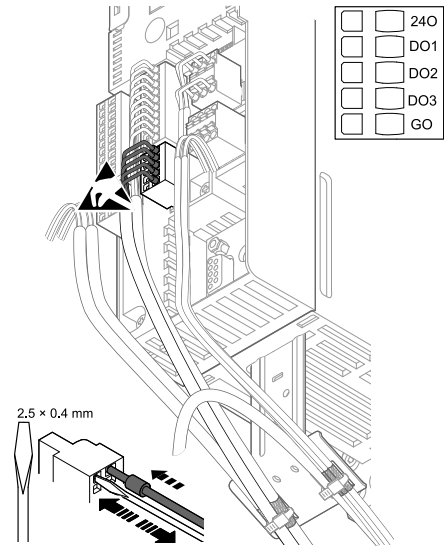
10 V

1k ... 10k

8400TLC002c

8400HLC012

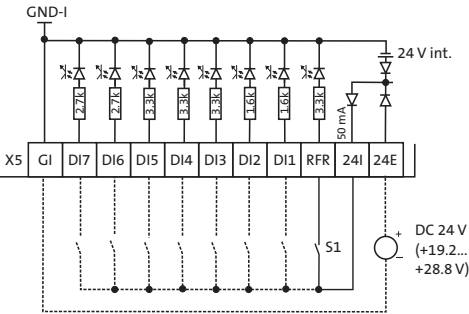
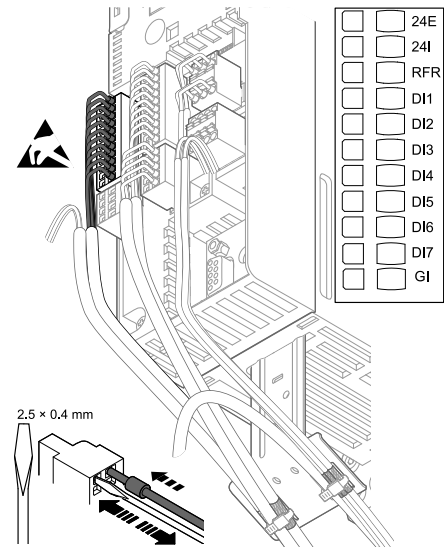
X4



8400TLC002e

8400HLC045

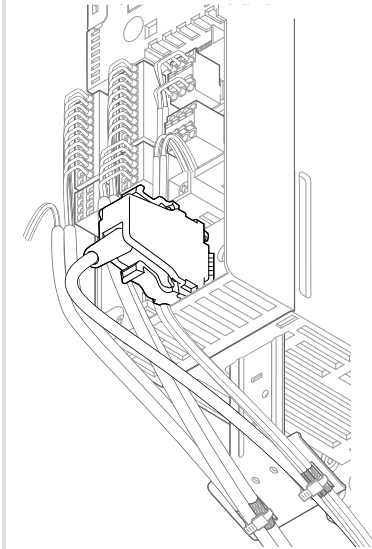
X5



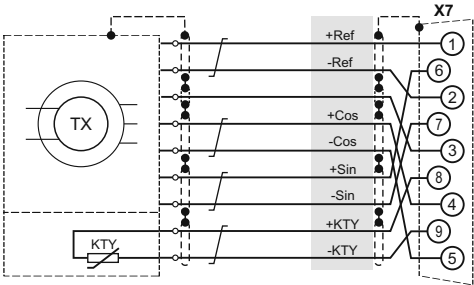
8400TLC002g

8400HLC045

X7

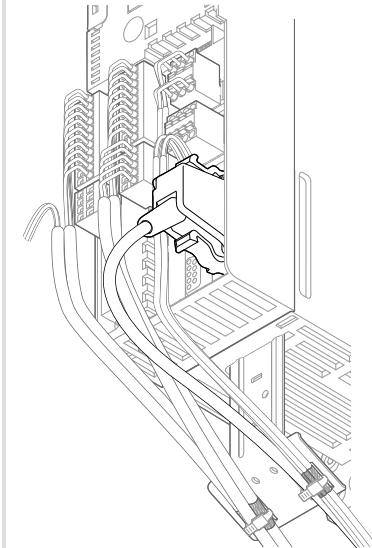


8400TLC002i

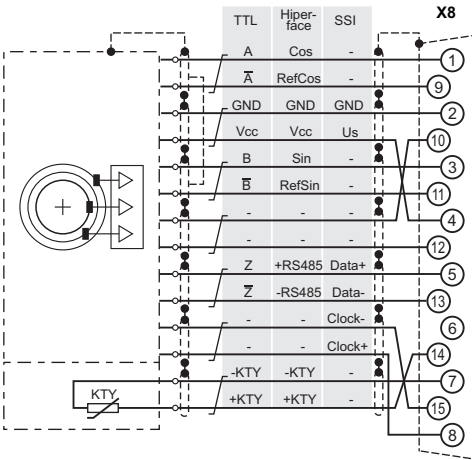


SSP94RESX7

X8

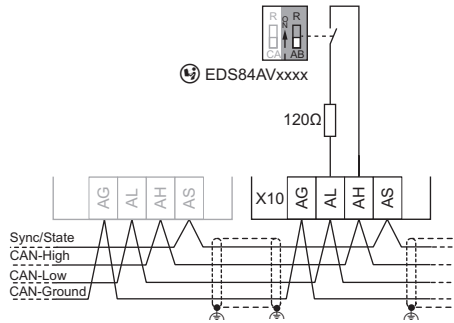
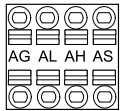
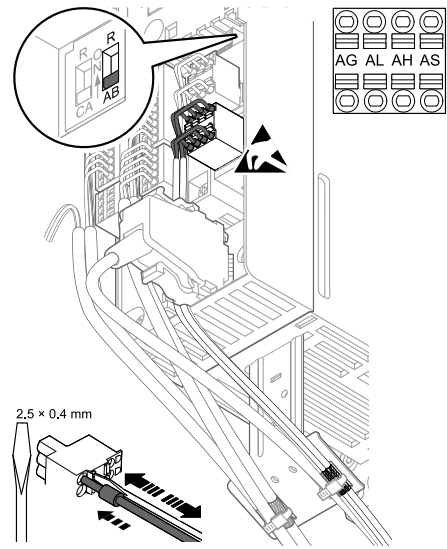


8400TLC002i



SSP94ENCX8

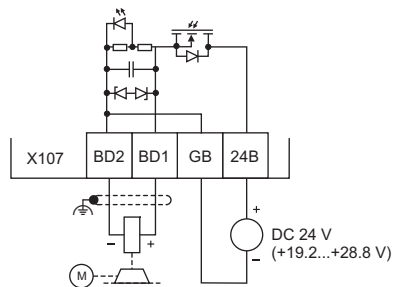
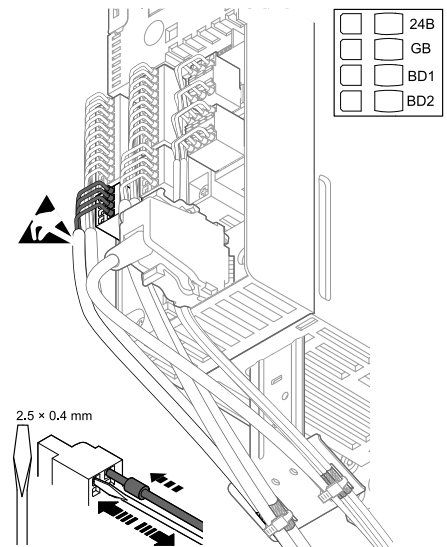
X10



8400TLC002n

8400TLC009

X107



8400TLC002p

8400HLC045



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