

EDK84VTCE222
13418860



L-force *Drives*

Montageanleitung

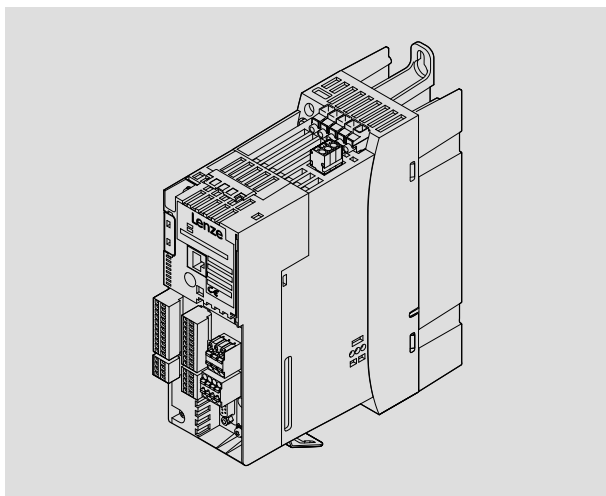
Mounting Instructions

Instructions de montage

Instrucciones para el montaje

Istruzioni per il montaggio

8400 0.25 ... 3.0 kW



E84AVTCExxx TopLine C

Frequenzumrichter

Frequency Inverter

Convertisseur de fréquence

Convertidor de frecuencia

Inverter di frequenza

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.



Avertissements !

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).



Gefahr!

Gefährliche elektrische Spannung

- Die Leistungsanschlüsse X100 und X105 führen bis zu 3 Minuten nach Netz-Ausschalten gefährliche elektrische Spannung.

Mögliche Folgen:

- Tod oder schwere Verletzungen beim Berühren der Leistungsanschlüsse.

Schutzmaßnahmen:

- Vor Arbeiten am Gerät Netzspannung ausschalten und mindestens 3 Minuten warten.
- Prüfen, ob alle Leistungsanschlüsse spannungsfrei sind.

Beachten Sie auch weitere wichtige Informationen zur Geräte- und Sicherheitstechnik auf der beiliegenden CD-ROM!



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!



Danger !

Tension électrique dangereuse

- ▶ Les raccordements de puissance X100 et X105 sont susceptibles de véhiculer une tension dangereuse jusqu'à 3 minutes après une coupure réseau.

Risques encourus :

- ▶ Mort ou blessures graves en cas de contact avec les raccordements de puissance

Mesures de protection :

- ▶ Avant toute manipulation de l'appareil, couper la tension réseau et attendre 3 minutes au minimum.
- ▶ S'assurer que tous les raccordements de puissance sont hors tension.

Veuillez également tenir compte des consignes importantes sur la technologie des appareils et les fonctions de sécurité comprises sur le cédérom joint !



¡Peligro!

Voltaje eléctrico peligroso

- ▶ Las conexiones de potencia X100 y X105 siguen vivas hasta 3 minutos después de la desconexión de red.

Posibles consecuencias:

- ▶ Muerte o serias lesiones al tocar las conexiones de potencia.

Medidas de protección:

- ▶ Antes de trabajar en el equipo, desconectar la alimentación de red y esperar por lo menos 3 minutos.
- ▶ Comprobar, si todas las conexiones de potencia están libres de voltaje.

Observe también la información importante sobre aspectos relativos a la técnica del dispositivo



y de seguridad incluida en el CD-ROM adjunto!



Pericolo!

Tensione elettrica pericolosa

- I collegamenti di potenza X100 e X105 presentano una tensione elettrica pericolosa fino a 3 minuti dopo la disinserzione della rete.

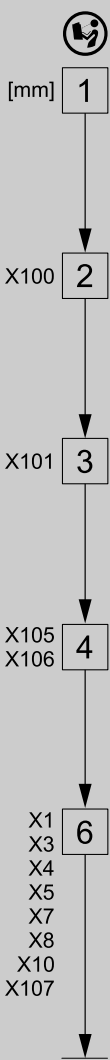
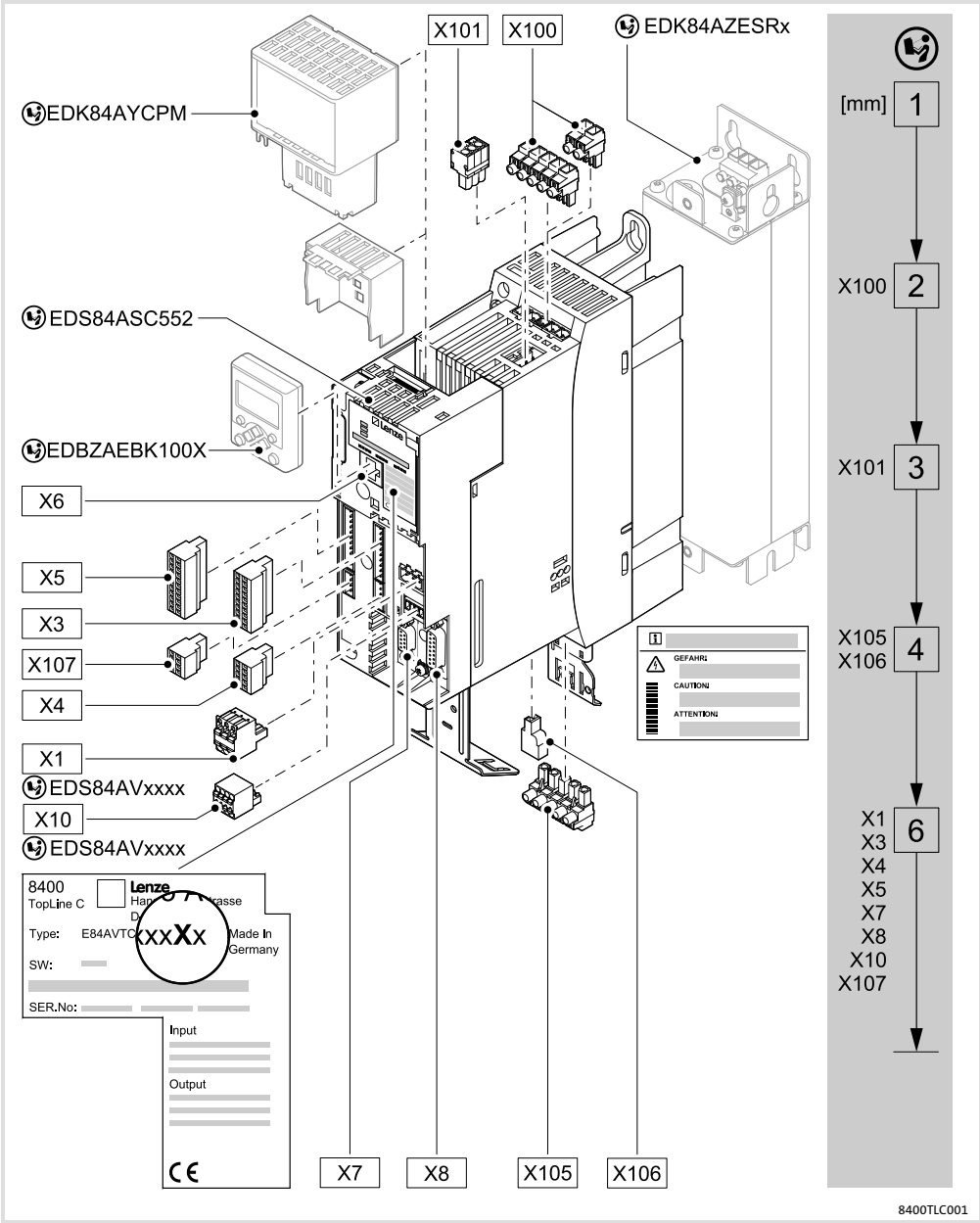
Possibili conseguenze:

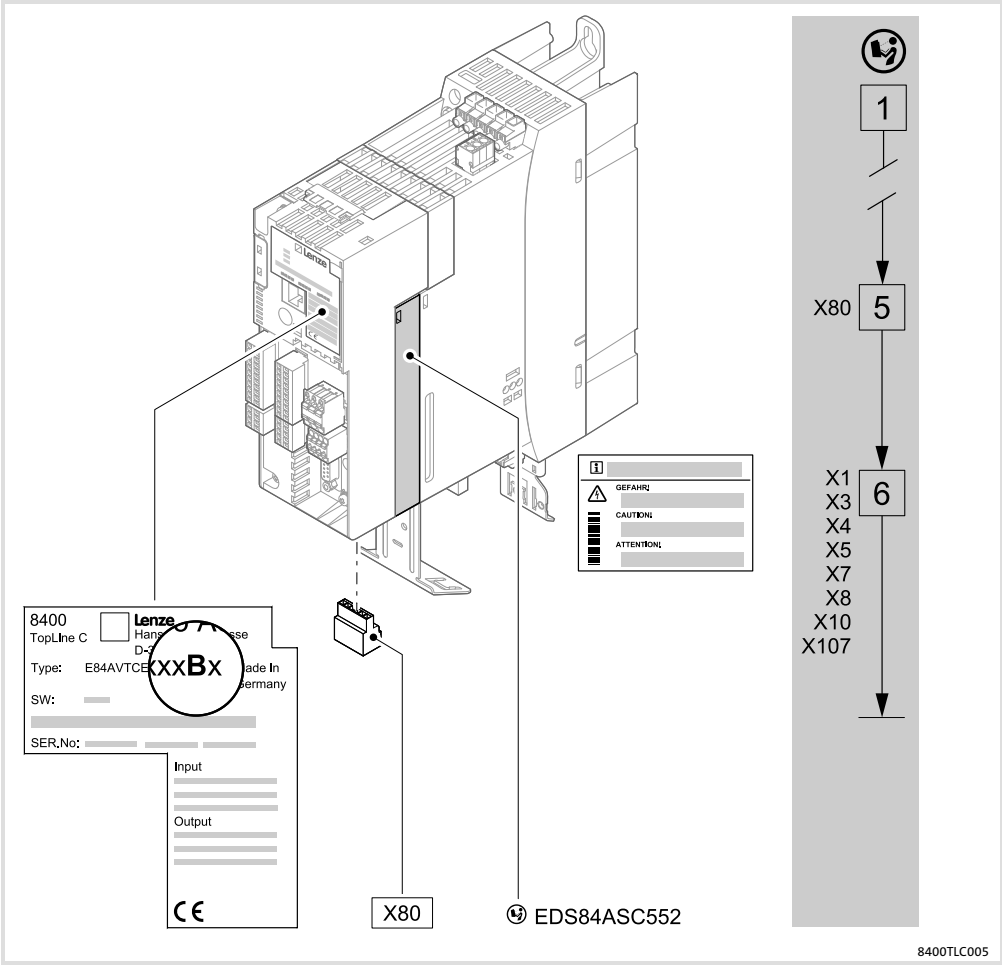
- Morte o gravi lesioni in caso di contatto con i collegamenti di potenza.

Misure di protezione:

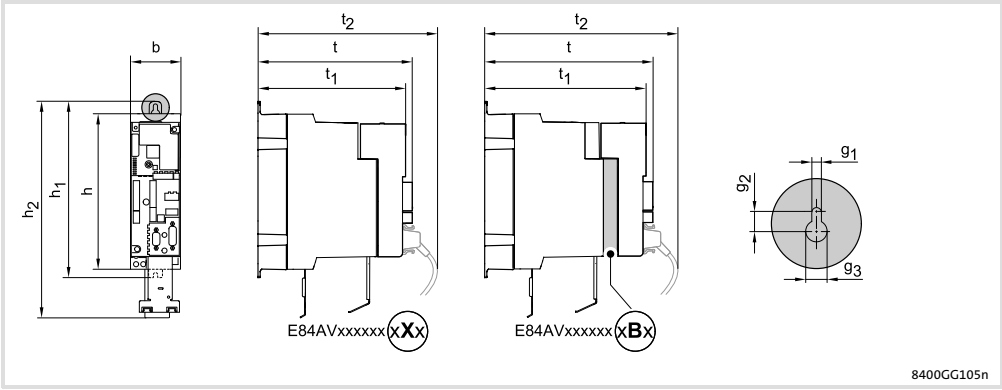
- Attendere almeno 3 minuti prima di eseguire qualsiasi intervento sui collegamenti di potenza.
- Controllare tutti i collegamenti di potenza per accertare l'assenza di tensione.

Osservare anche le ulteriori informazioni importanti relative a installazione e sicurezza incluse nel CD-ROM allegato!

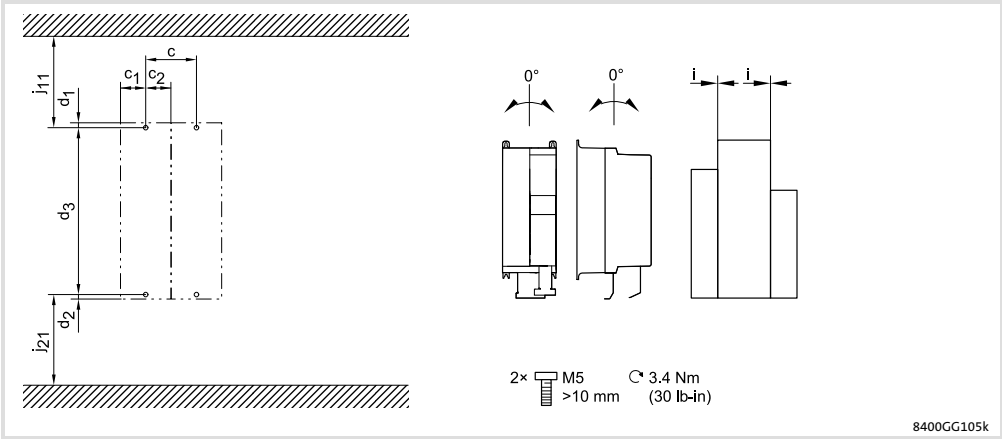




8400TLC005



		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										
E84AVTCE3024xB5	3.0										



	[kW]	d ₁	d ₂	d ₃	c	c ₁	c ₂	i	j ₁₁	j ₂₁	
		[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										
E84AVTCE3024xB5	3.0										

X100 - TN, TT

PZ 2
7x1.0 mm

3.5x0.6 mm

1/N/PE AC 230 V

L1
N
PE

F
K
Z

PE N L1
X100

8400GG001

8400GG003

X100 - IT

PZ 2
7x1.0 mm

3.5 x 0.6 mm

1/N/PE AC 230 V

L1
N
PE

F
K

PE N L1
X100

8400GG002

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]
E84AVTCE2512	6	C6	6	C6	6	6	1 ... 2.5 18 ... 12		0.5	1 ... 6 18 ... 10		1.7
E84AVTCE3712	6	C6	6	C6	10	10		7	4.4		10	15
E84AVTCE5512	10	C10	10	C10	10	10	1 ... 2.5 18 ... 12		0.5	1 ... 6 18 ... 10		1.7
E84AVTCE7512	10	C10	10	C10	15	15		7	4.4		10	15
E84AVTCE1122	16	C16	16	C16	20	20						
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						

X100 - TT

8400GG005

8400GG007

X100 - IT

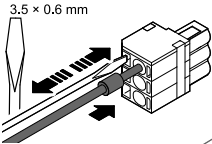
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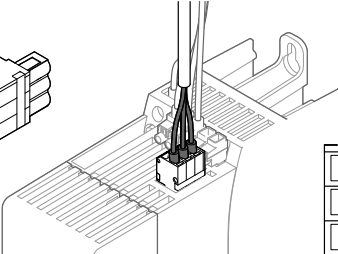
8400GG008

	F						L1, L2, L3			PE		
	EN 60204				UL							
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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

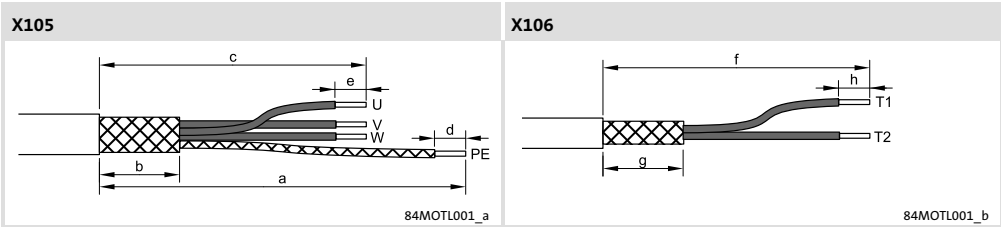
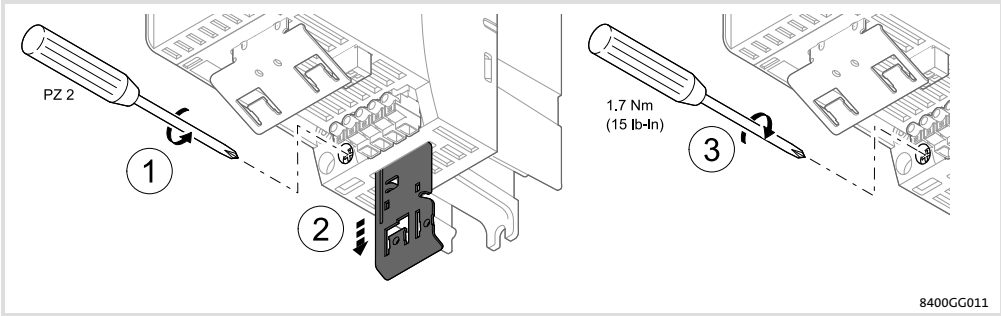
8400GG010

	COM, NC, NO	
		
	[mm²] [AWG]	[mm]
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E84AVTCE3714 E84AVTCE551x E84AVTCE751x	0.2 ... 1.5 24 ... 16	10
E84AVTCE112x E84AVTCE152x E84AVTCE222x E84AVTCE3024xxS	0.2 ... 1.5 24 ... 16	10

EDK84VTCE222 DE/EN/FR/ES/IT 3.2

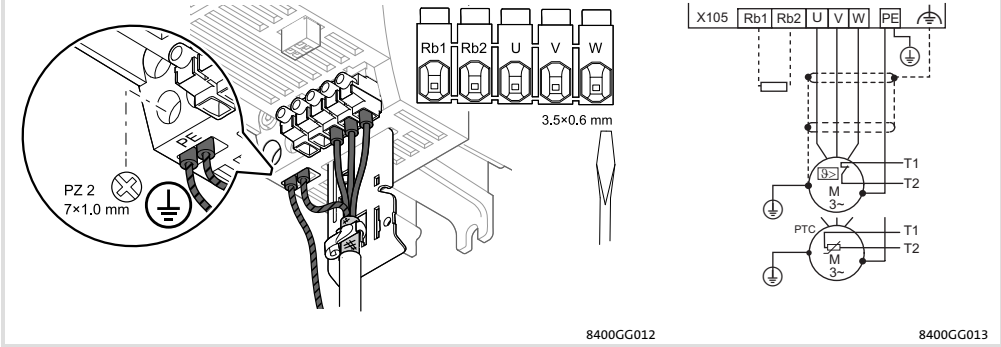
11

Lenze

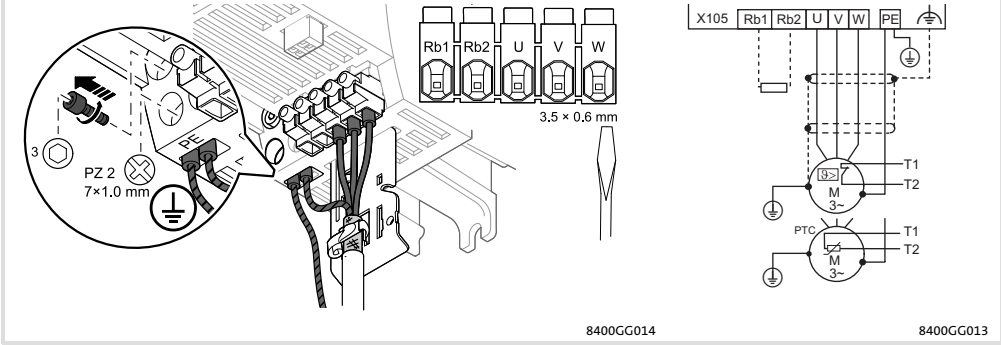


	U, V, W					PE				T1, T2			
	b	c	e			a	d			f	g	h	
	[mm]	[mm]	[mm]	[mm ²] [AWG]	[Nm] [lb-in]	[mm]	[mm]	[mm ²] [AWG]	[Nm] [lb-in]	[mm]	[mm]	[mm]	[mm ²] [AWG]
E84AVTCE2512 E84AVTCE3712	25	65	7	1 ... 2.5 18 ... 12	0.5 4.4	90	9	1 ... 6 18 ... 10	1.7 15	95	25	10	0.2 ... 1.5 24 ... 16
E84AVTCE3714 E84AVTCE551x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

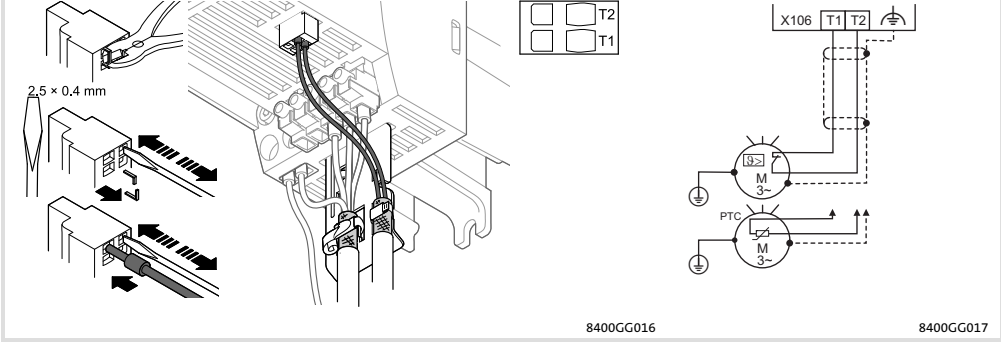
X105 - TN, TT

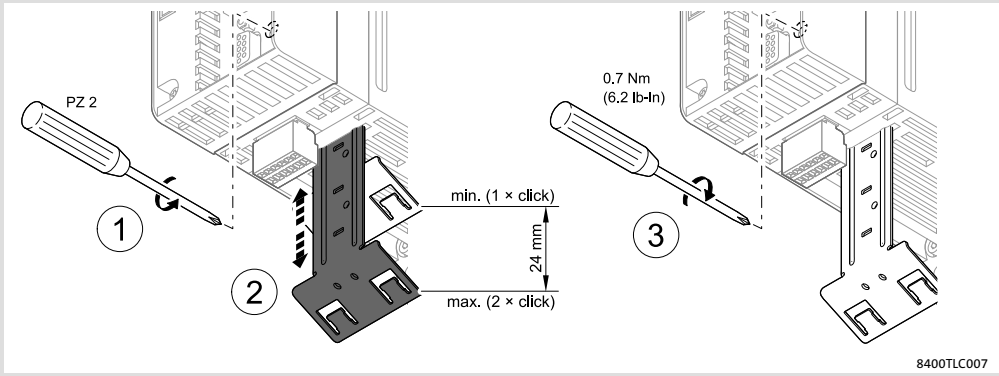


X105 - IT



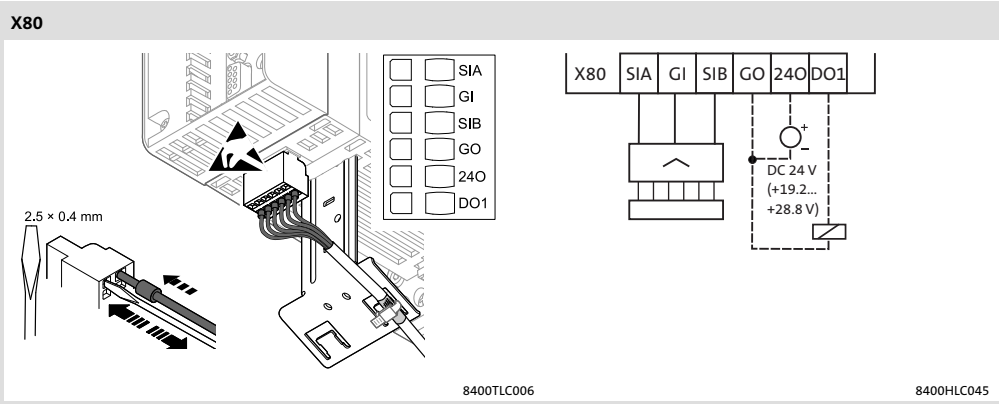
X106

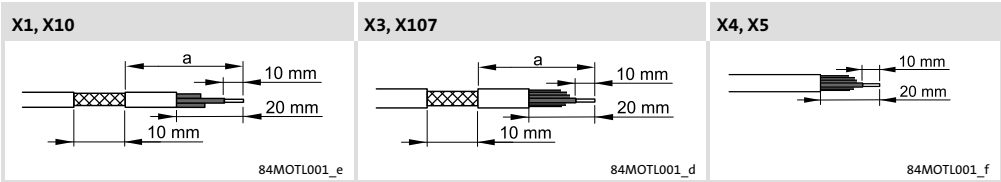
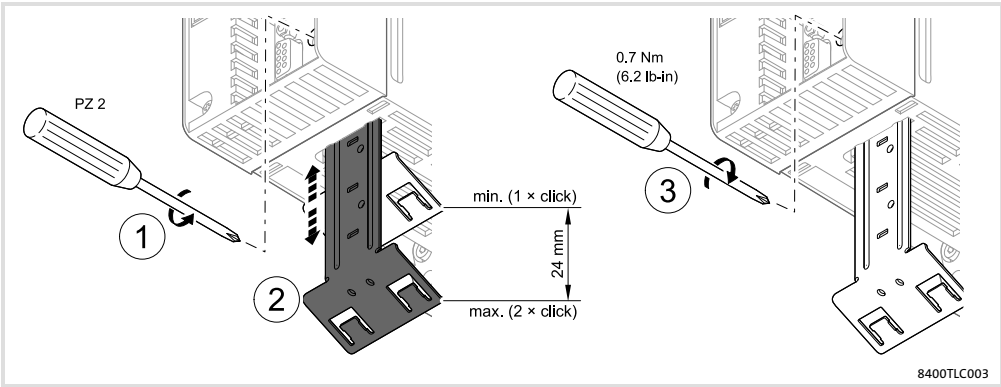




	
[mm]	[mm ²] [AWG]
10	0.2 ... 1.5
20	24 ... 16

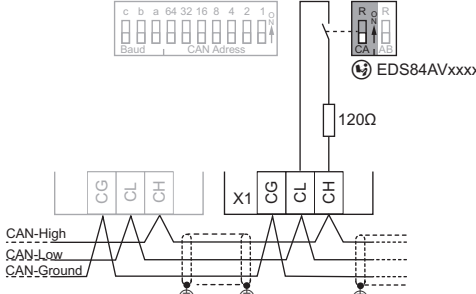
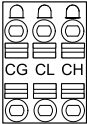
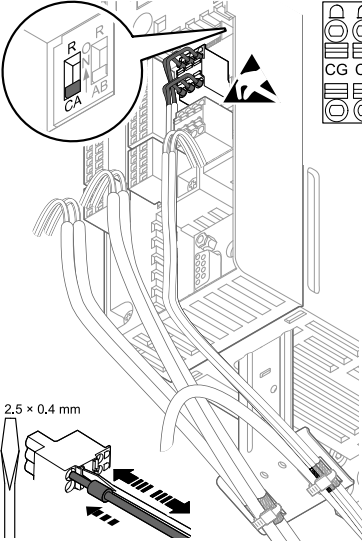
84MOTL001_g





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]	[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	0.2 ... 1.5 24 ... 16		155	180	0.2 ... 1.5 24 ... 16	160	185	0.2 ... 1.5 24 ... 16

X1

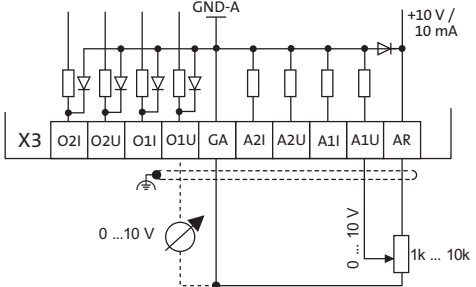
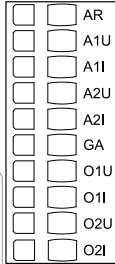
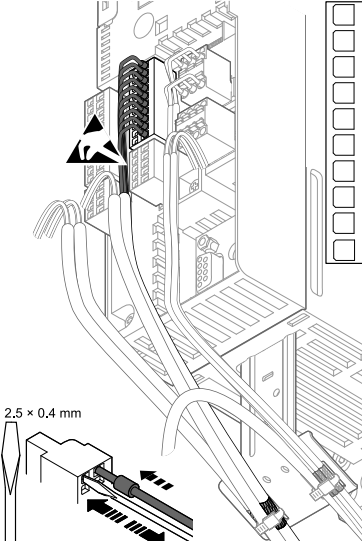


2.5 × 0.4 mm

8400TLC002a

8400TLC008

X3

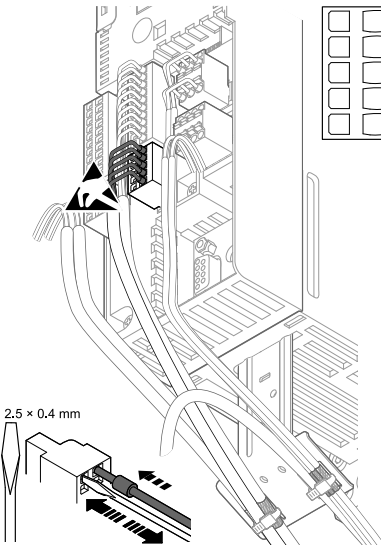


2.5 × 0.4 mm

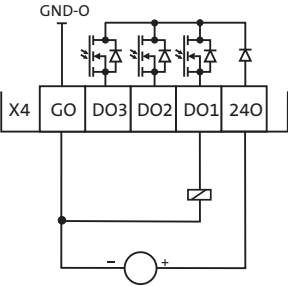
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8400HLC012

X4



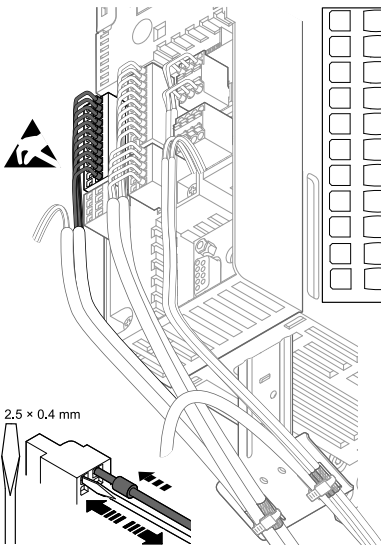
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	DO1
	DO2
	DO3
	GO



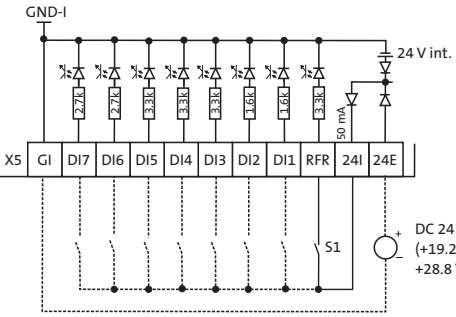
DC 24 V
(+19.2...+28.8 V)

8400TLC002e8400HLC045

X5



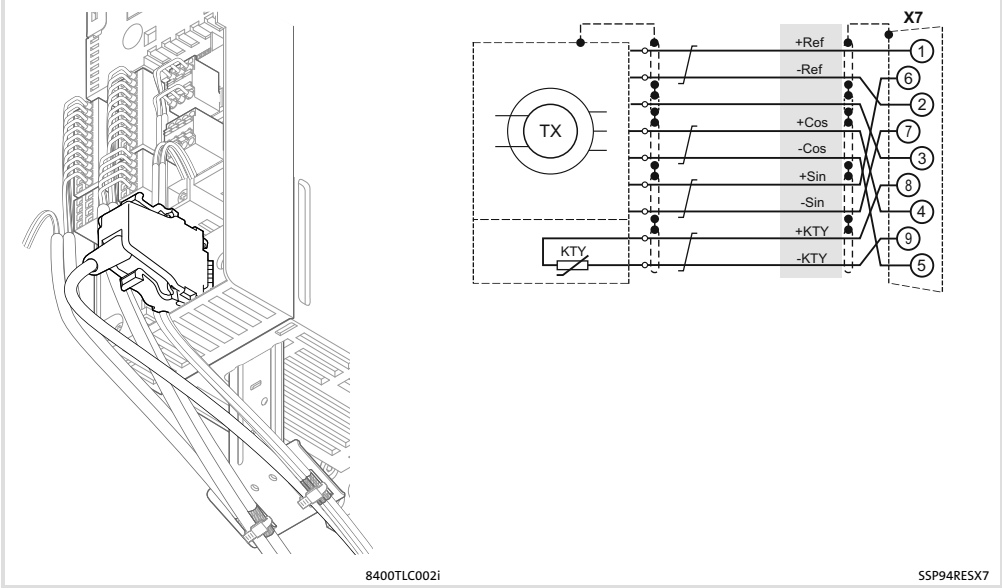
	24E
	24I
	RFR
	DI1
	DI2
	DI3
	DI4
	DI5
	DI6
	DI7
	GI



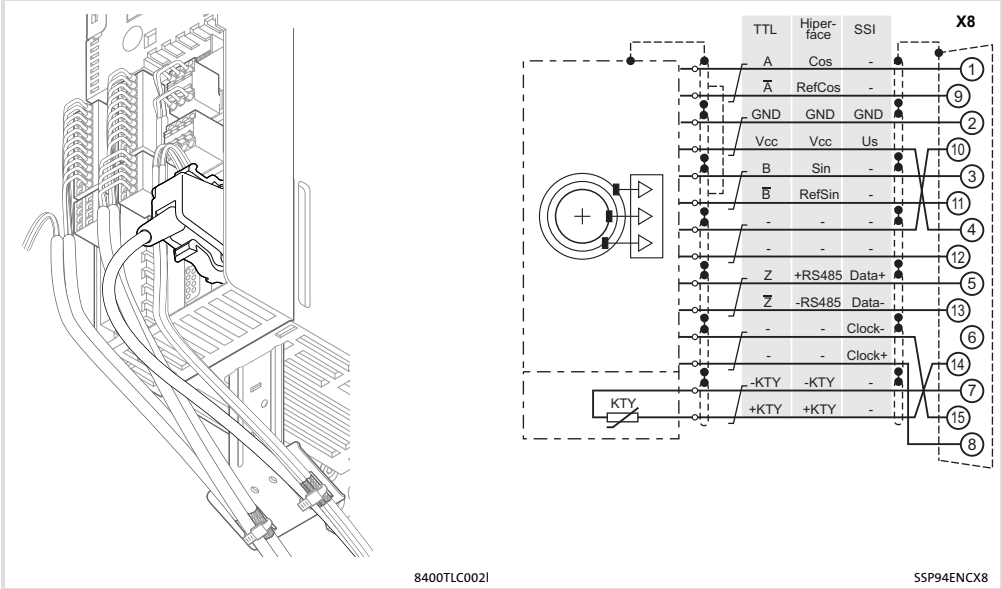
DC 24 V
(+19.2...+28.8 V)

8400TLC002g8400HLC045

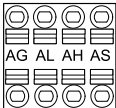
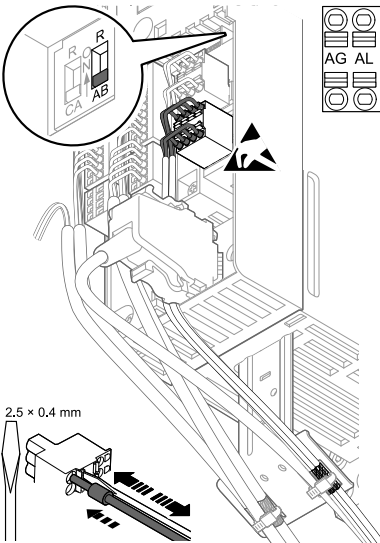
X7

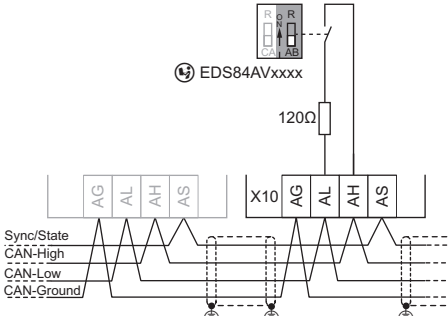


X8



X10





EDS84AVxxxx

120Ω

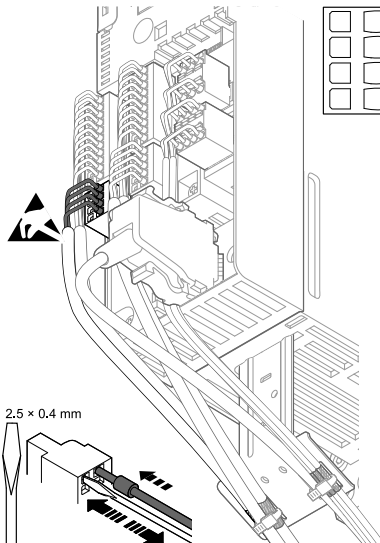
AG AL AH AS

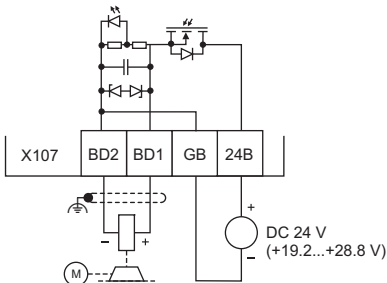
Sync/State
CAN-High
CAN-Low
CAN-Ground

8400TLC002n

8400TLC009

X107





24B
GB
BD1
BD2

X107 BD2 BD1 GB 24B

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

8400TLC002p

8400HLC045



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Lenze Drives GmbH
Postfach 10 13 52, D-31763 Hameln
Breslauer Straße 3, D-32699 Extertal
Germany



+49 5154 82-0



+49 5154 82-2800



lenze@lenze.com



www.lenze.com



Service Lenze Service GmbH
Breslauer Straße 3, D-32699 Extertal

Germany



0080002446877 (24 h helpline)



+49 5154 82-1112



service@lenze.com

EDK84VTCE222 ■ 13418860 ■ DE/EN/FR/ES/IT ■ 3.2 ■ TD15

10 9 8 7 6 5 4 3 2 1

EDK84VTCE223
13406493



L-force *Drives*

Montageanleitung

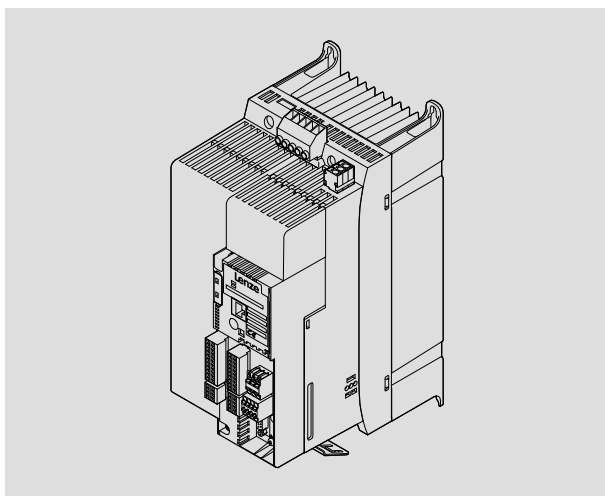
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Istruzioni per il montaggio

8400 *3.0 ... 22 kW*



E84AVTCExxx TopLine C

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Frequency Inverter

Convertisseur de fréquence

Convertidor de frecuencia

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Lenze



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Gefährliche elektrische Spannung

- ▶ Die Leistungsanschlüsse X100 und X105 führen bis zu 3 Minuten nach Netz-Ausschalten gefährliche elektrische Spannung.

Mögliche Folgen:

- ▶ Tod oder schwere Verletzungen beim Berühren der Leistungsanschlüsse.

Schutzmaßnahmen:

- ▶ Vor Arbeiten am Gerät Netzspannung ausschalten und mindestens 3 Minuten warten.
- ▶ Prüfen, ob alle Leistungsanschlüsse spannungsfrei sind.

Beachten Sie auch weitere wichtige Informationen zur Geräte- und Sicherheitstechnik auf der beiliegenden CD-ROM!



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!



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Tension électrique dangereuse

- ▶ Les raccordements de puissance X100 et X105 sont susceptibles de véhiculer une tension dangereuse jusqu'à 3 minutes après une coupure réseau.

Risques encourus :

- ▶ Mort ou blessures graves en cas de contact avec les raccordements de puissance

Mesures de protection :

- ▶ Avant toute manipulation de l'appareil, couper la tension réseau et attendre 3 minutes au minimum.
- ▶ S'assurer que tous les raccordements de puissance sont hors tension.

Veuillez également tenir compte des consignes importantes sur la technologie des appareils et les fonctions de sécurité comprises sur le CD-ROM joint !



¡Peligro!

Voltaje eléctrico peligroso

- ▶ Las conexiones de potencia X100 y X105 siguen vivas hasta 3 minutos después de la desconexión de red.

Posibles consecuencias:

- ▶ Muerte o serias lesiones al tocar las conexiones de potencia.

Medidas de protección:

- ▶ Antes de trabajar en el equipo, desconectar la alimentación de red y esperar por lo menos 3 minutos.
- ▶ Comprobar, si todas las conexiones de potencia están libres de voltaje.

Observe también la información importante sobre aspectos relativos a la técnica del dispositivo y de seguridad incluida en el CD-ROM adjunto!



Pericolo!

Tensione elettrica pericolosa

- ▶ I collegamenti di potenza X100 e X105 presentano una tensione elettrica pericolosa fino a 3 minuti dopo la disinserzione della rete.

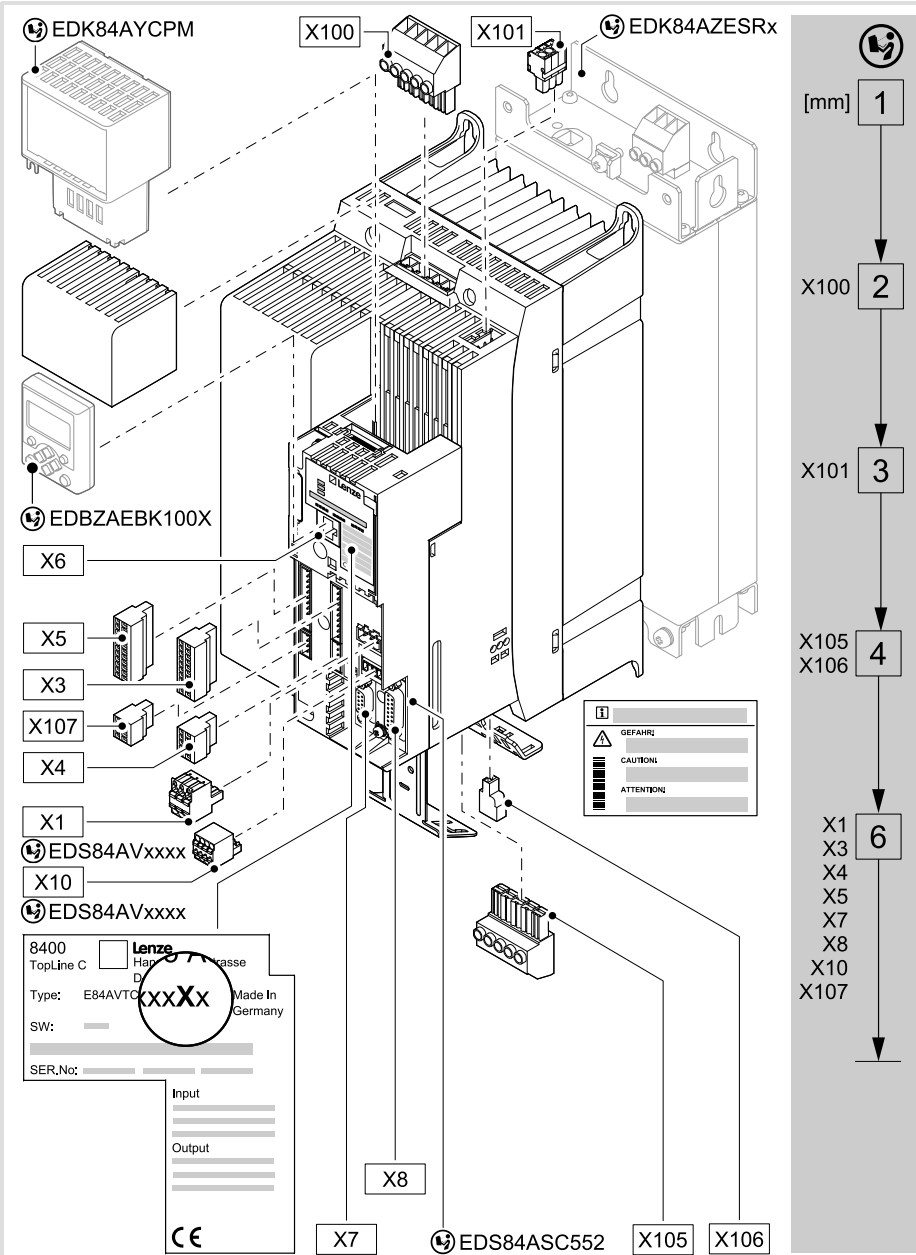
Possibili conseguenze:

- ▶ Morte o gravi lesioni in caso di contatto con i collegamenti di potenza.

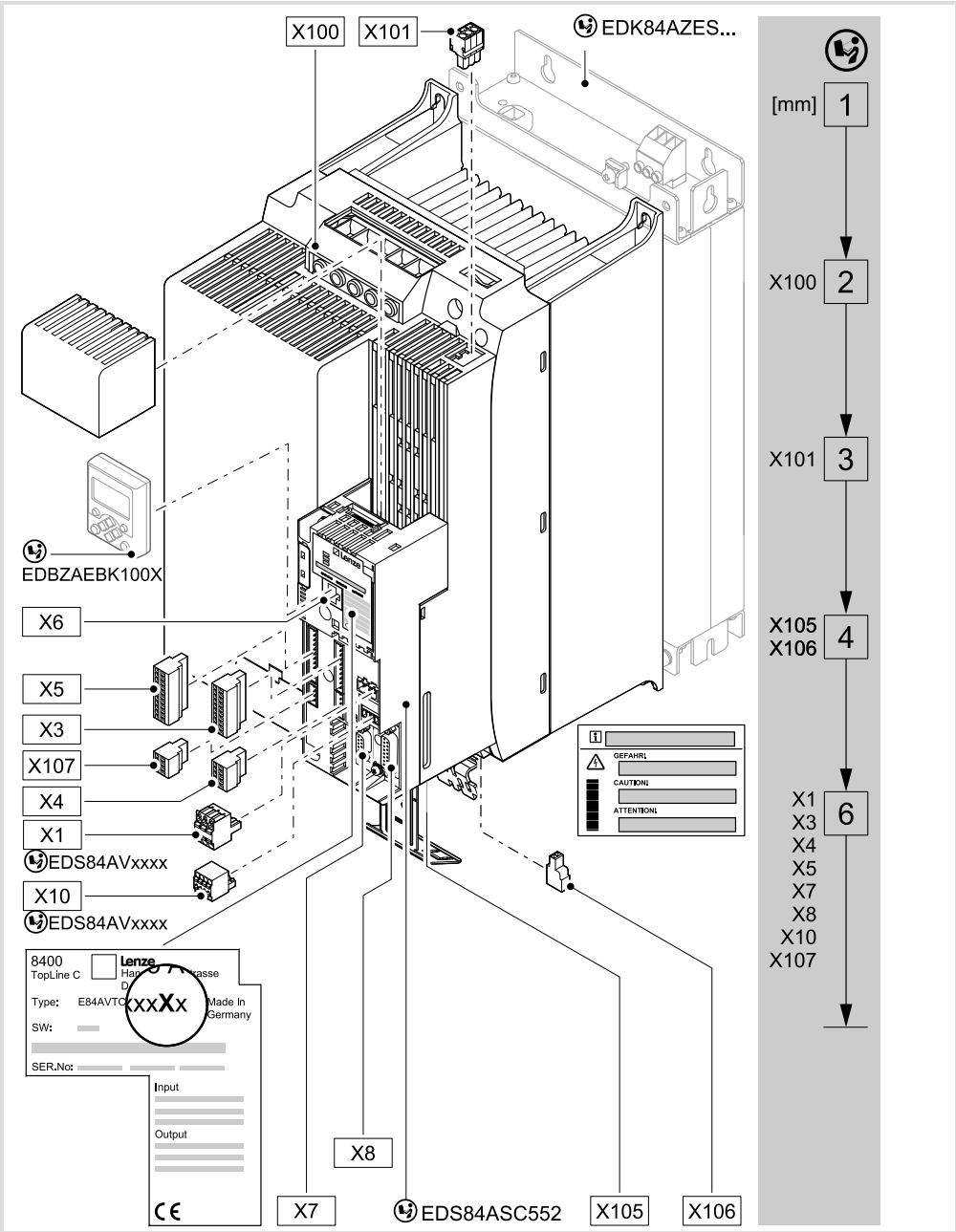
Misure di protezione:

- ▶ Attendere almeno 3 minuti prima di eseguire qualsiasi intervento sui collegamenti di potenza.
- ▶ Controllare tutti i collegamenti di potenza per accertare l'assenza di tensione.

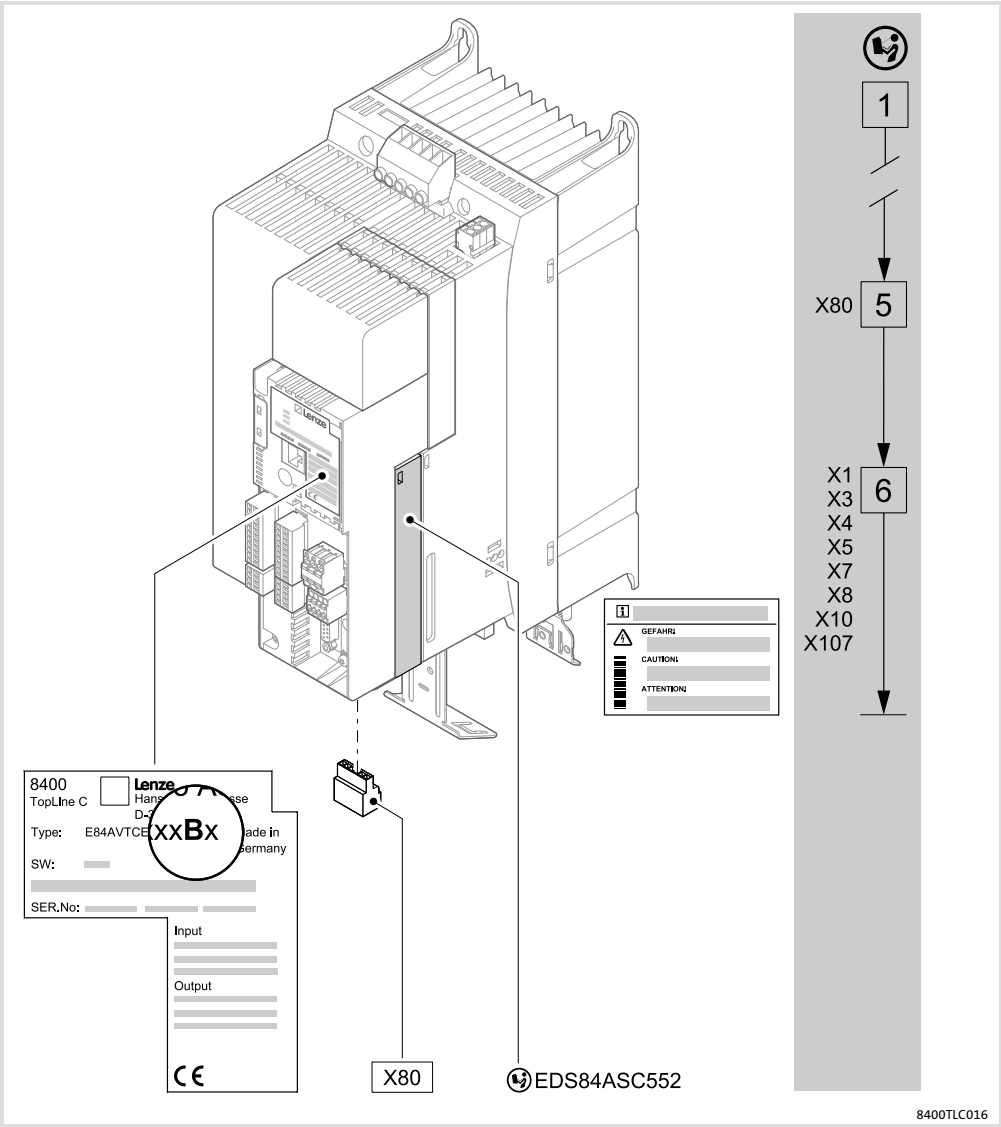
Osservare anche le ulteriori informazioni importanti relative a installazione e sicurezza incluse nel CD-ROM allegato!

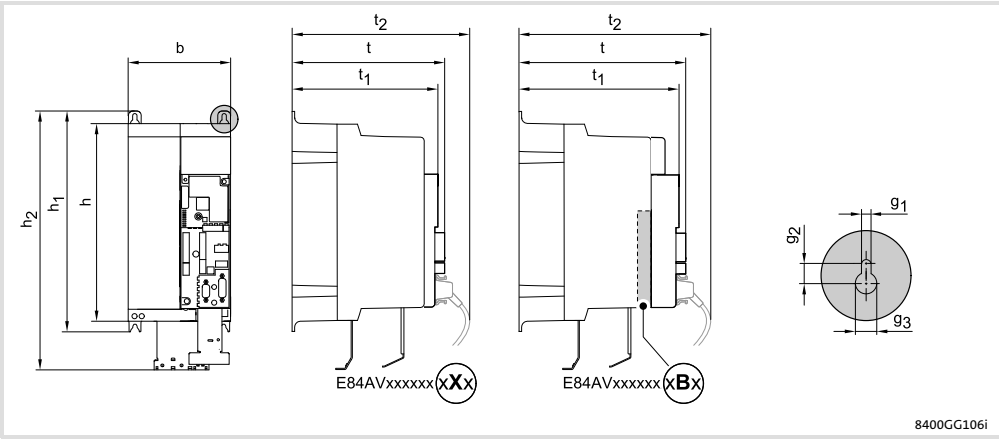


8400TLC012

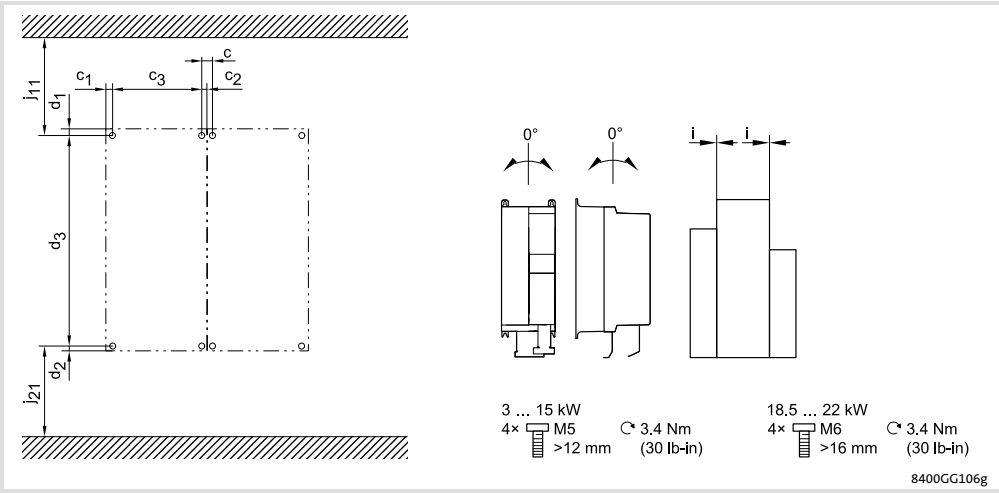






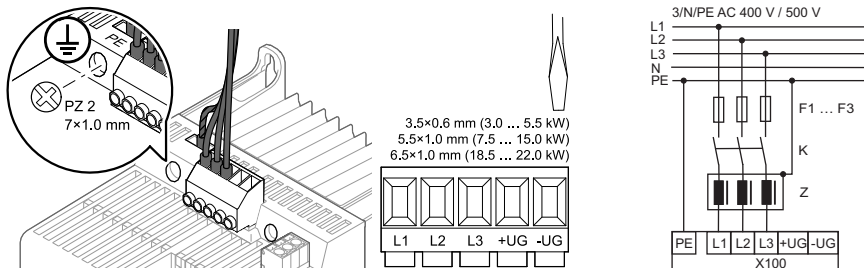


		h	b	t	h ₁	h ₂	t ₁	t ₂	g ₁	g ₂	g ₃
[kW]		[mm]									
E84AVTCE3024xXx	3	270	140	214	303	360	201	240	6	11	12
E84AVTCE4024xXx	4										
E84AVTCE5524xXx	5.5										
E84AVTCE7524xXx	7.5	325	140	214	359	416	201	240	6	11	12
E84AVTCE1134xXx	11										
E84AVTCE1534xXx	15										
E84AVTCE1834xXx	18.5	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										
E84AVTCE2234xBx	22	350	205	285	359	430	272	311	7	10	13



		d ₁	d ₂	d ₃	c	c ₁	c ₂	c ₃	i	j ₁₁	j ₂₁	
		[kW]	[mm]									
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											
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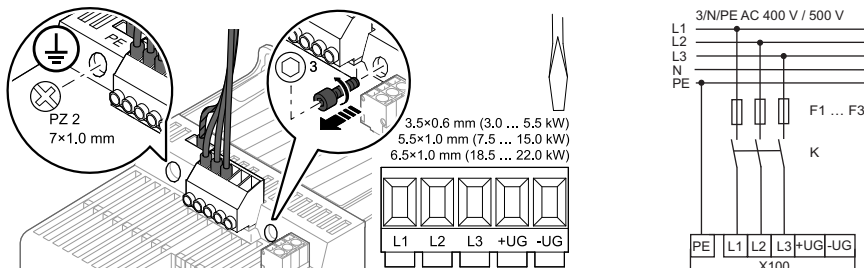
X100 - TN, TT



8400GG054

8400GG007

X100 - IT

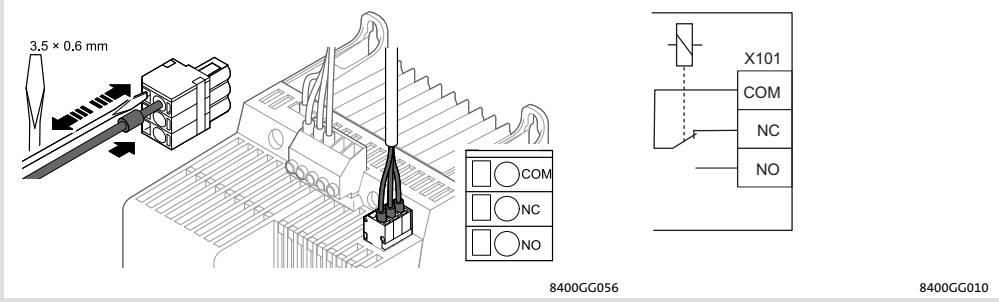


8400GG055

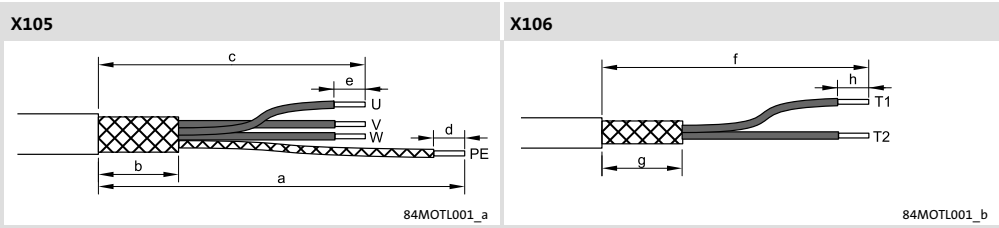
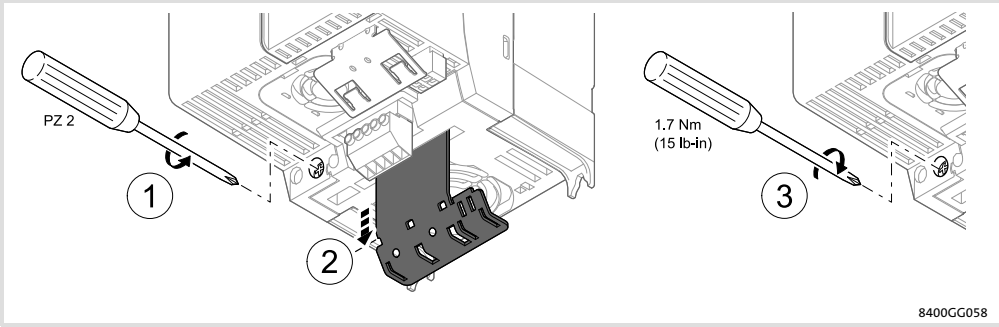
8400GG008

	F						L1, L2, L3			PE		
	EN 60204				UL							
												
												
[A]		[A]		[A]	[A]	[mm²] [AWG]	[mm]	[Nm] [lb-in]	[mm²] [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						
E84AVTCE1134	32	C32	32	C32	30	40	1 ... 16 18 ... 6	14	1.2 10.6	2.5 ... 16 12 ... 6	14	3.4 30
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

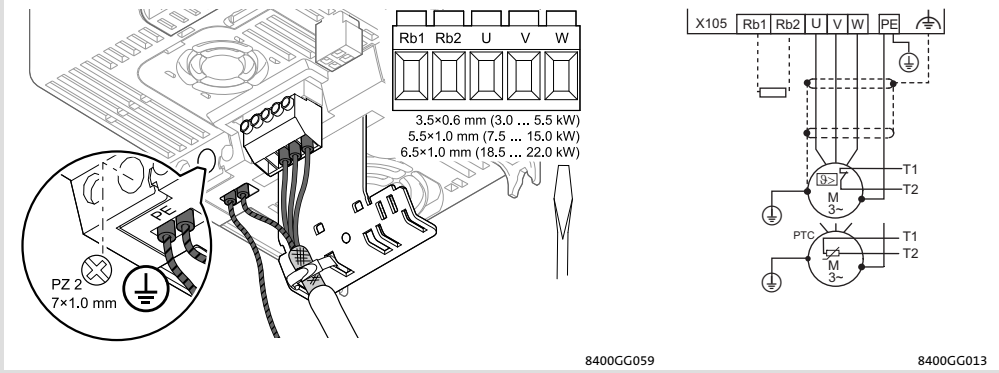


	COM, NC, NO	
		
	[mm²] [AWG]	[mm]
E84AVTCE3024xx0 E84AVTCE4024 E84AVTCE5524	0.2 ... 1.5 24 ... 16	10
E84AVTCE7524 E84AVTCE1134 E84AVTCE1534	0.2 ... 1.5 24 ... 16	10
E84AVTCE1834 E84AVTCE2234	0.2 ... 1.5 24 ... 16	10

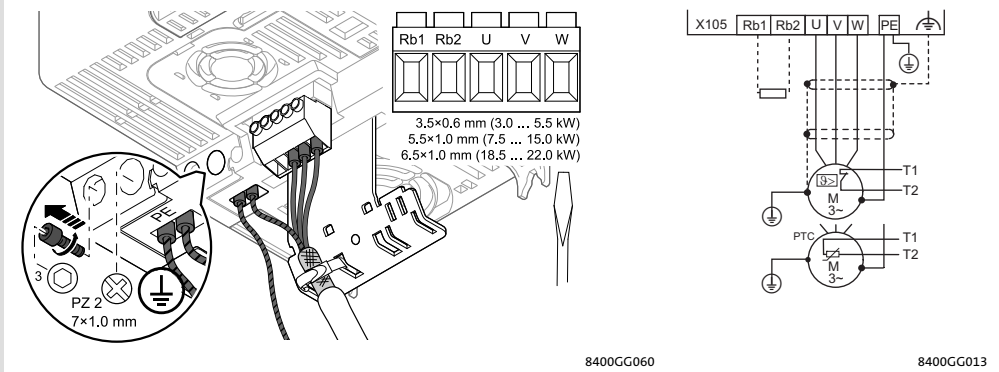


	U, V, W					PE				T1, T2			
	b	c	e			a	d			f	g	h	
	[mm]	[mm]	[mm]	[mm ²] [AWG]	[Nm] [lb-in]	[mm]	[mm]	[mm ²] [AWG]	[Nm] [lb-in]	[mm]	[mm]	[mm]	[mm ²] [AWG]
E84AVTCE3024xx0 E84AVTCE4024 E84AVTCE5524	25	70	14	1 ... 6 18 ... 10	0.5 4.4	125	14	2.5 ... 16 12 ... 6	3.4 30	105	25	10	0.2 ... 1.5 24 ... 16
E84AVTCE7524 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

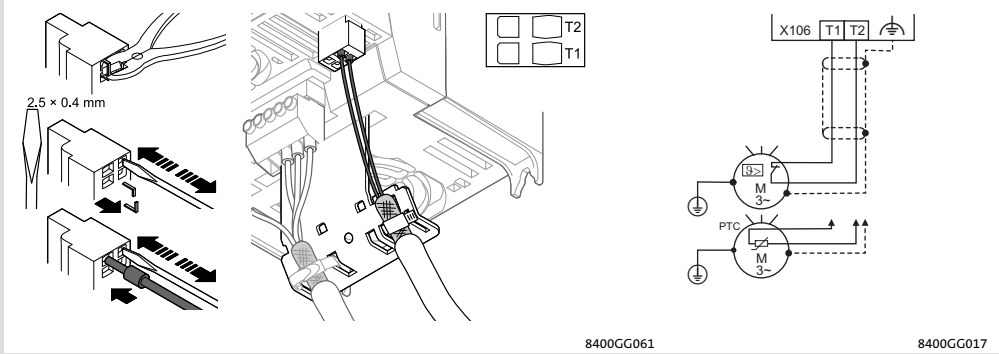
X105 - TN, TT

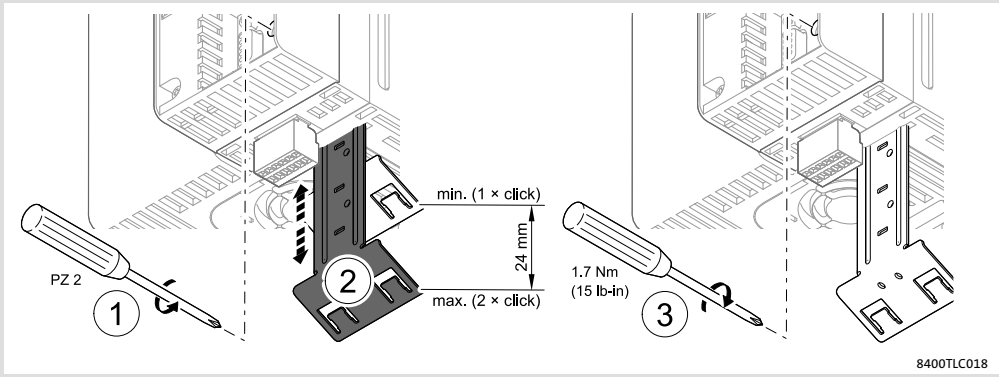


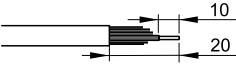
X105 - IT



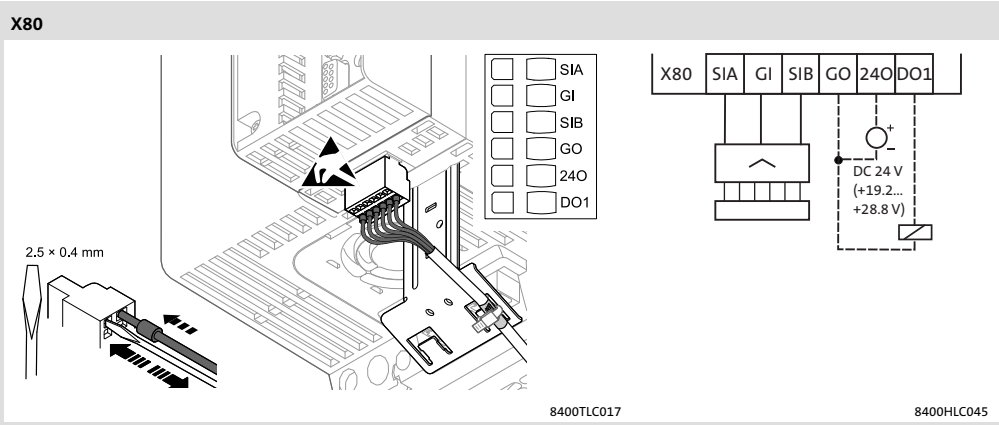
X106

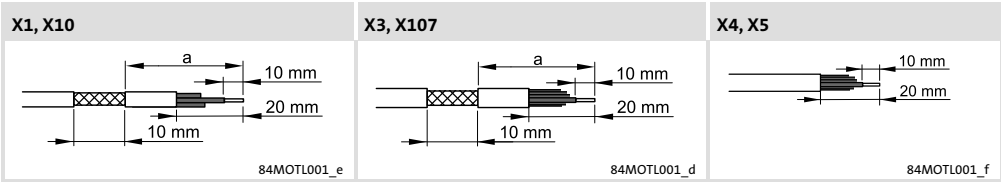
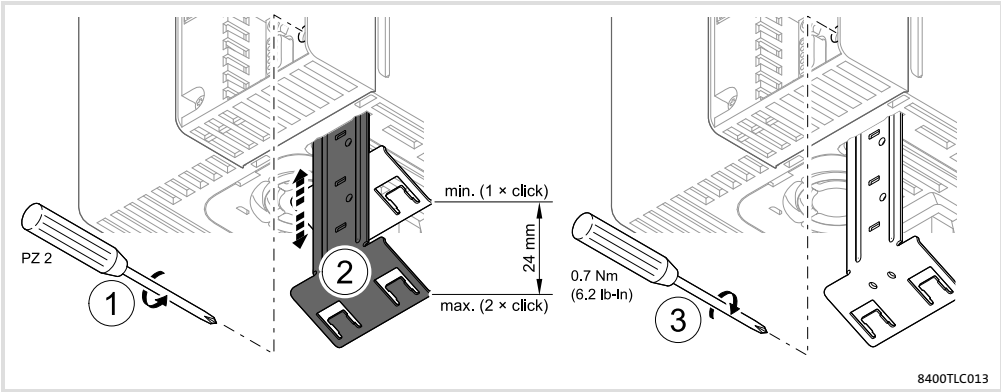




	
[mm]	[mm ²] [AWG]
	0.2 ... 1.5 24 ... 16

84MOTL001_g





X1			X3			X4, X5			X10			X107		
min.	max.		min.	max.					min.	max.		min.	max.	
a	a	[mm ²] [AWG]	a	a	[mm ²] [AWG]	[mm ²] [AWG]	[mm ²] [AWG]		a	a	[mm ²] [AWG]	a	a	[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

X1

2.5 × 0.4 mm

CG	CL	CH
CG	CL	CH
CG	CL	CH

CG CL CH

X1 CG CL CH

CAN-High
CAN-Low
CAN-Ground

120Ω

EDS84AV/xxxx

8400TLC002b

8400TLC008

X3

2.5 × 0.4 mm

AR
A1U
A1I
A2U
A2I
GA
O1U
O1I
O2U
O2I

GND-A

+10 V / 10 mA

X3 O2I O2U O1I O1U GA A2I A2U A1I A1U AR

0 ... 10 V

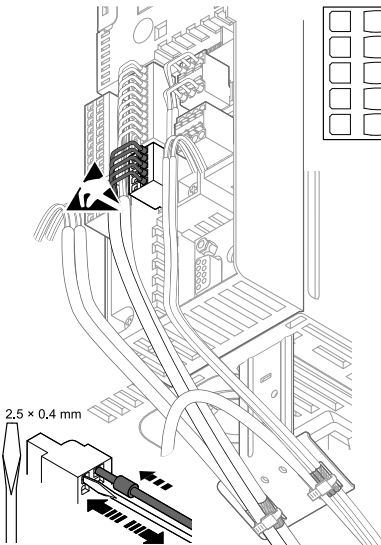
0 ... 10 V

1k ... 10k

8400TLC002c

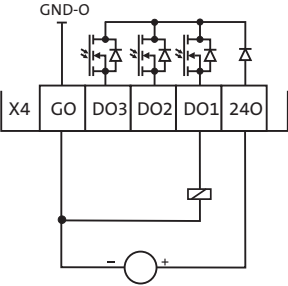
8400HLC012

X4



24O
DO1
DO2
DO3
GO

2.5 x 0.4 mm

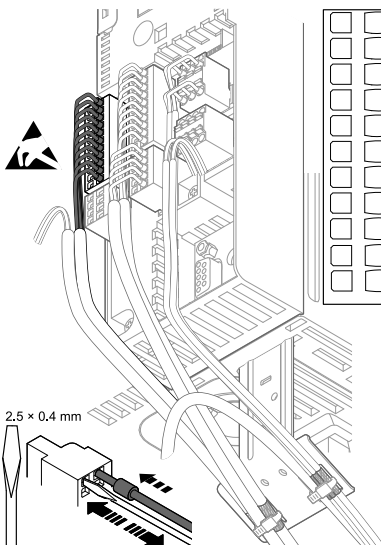


DC 24 V
(+19.2...+28.8 V)

8400TLC002f

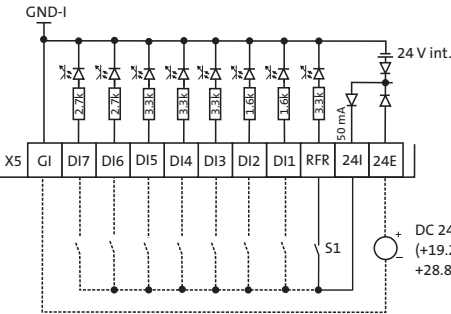
8400HLC045

X5



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

2.5 x 0.4 mm

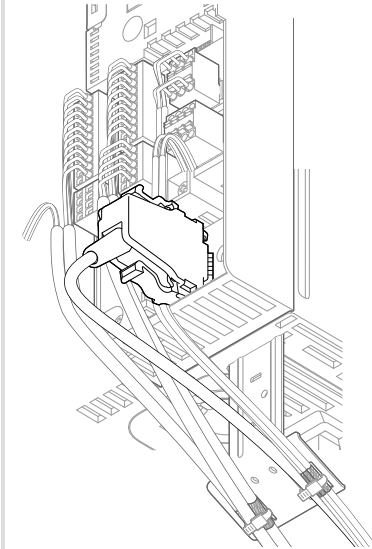


DC 24 V
(+19.2...+28.8 V)

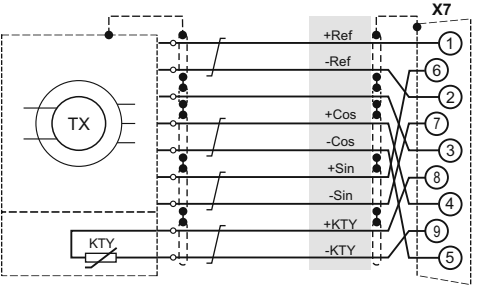
8400TLC002h

8400HLC045

X7

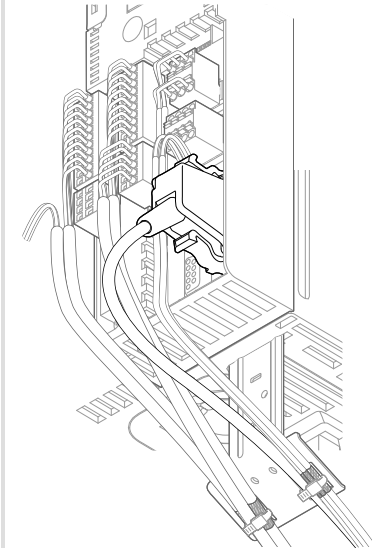


8400TLC002k

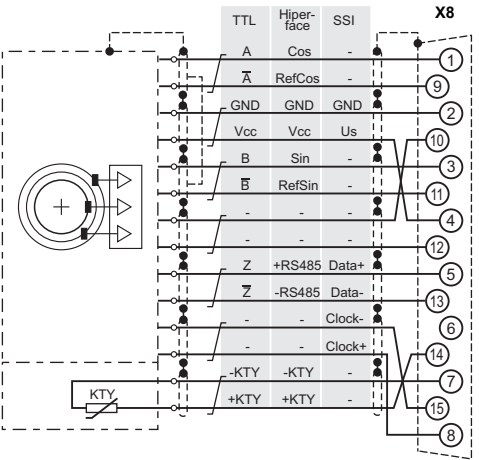


SSP94RESX7

X8

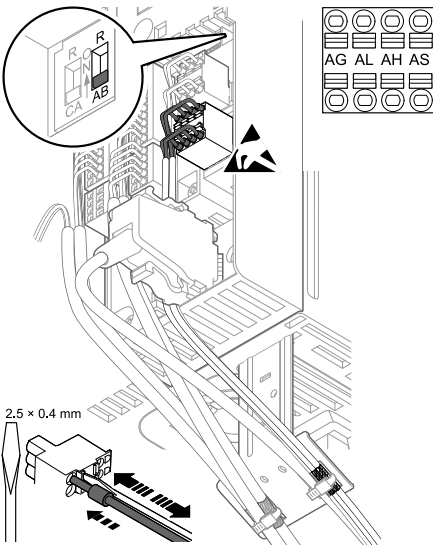


8400TLC002m



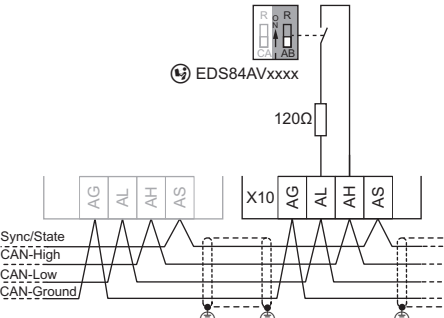
SSP94ENCX8

X10



2.5 × 0.4 mm

AG	AL	AH	AS
----	----	----	----



EDS84AVxxxx

120Ω

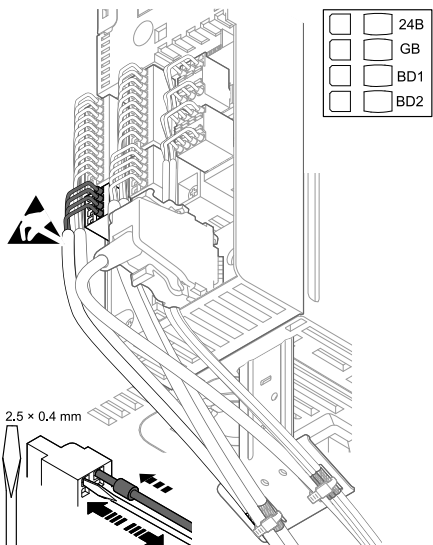
AG AL AH AS

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

8400TLC002o

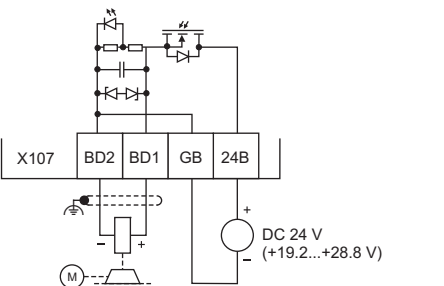
8400TLC009

X107



2.5 × 0.4 mm

24B
GB
BD1
BD2



BD2 BD1 GB 24B

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

M

8400TLC002q

8400HLC045



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Lenze Drives GmbH
Postfach 10 13 52, D-31763 Hameln
Breslauer Straße 3, D-32699 Extertal
Germany



+49 5154 82-0



+49 5154 82-2800



lenze@lenze.com



www.lenze.com



Service Lenze Service GmbH
Breslauer Straße 3, D-32699 Extertal

Germany



008000 2446877 (24 h helpline)



+49 5154 82-1112



service@lenze.com

EDK84VTCE223 ■ 13406493 ■ DE/EN/FR/ES/IT ■ 2.3 ■ TD15

10 9 8 7 6 5 4 3 2 1

EDK84VTCE453
13406495



L-force *Drives*

Montageanleitung

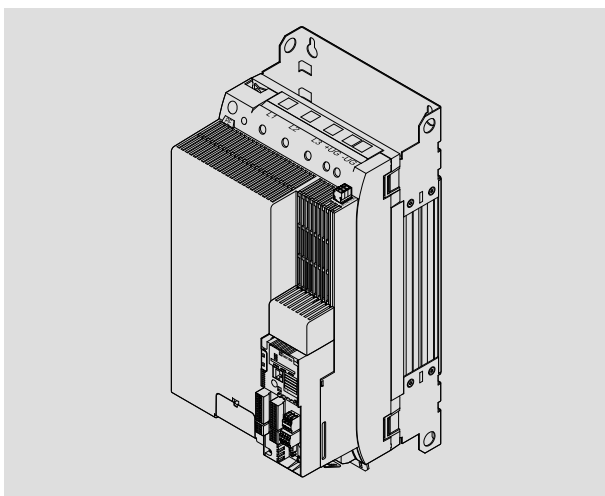
Mounting Instructions

Instructions de montage

Instrucciones para el montaje

Istruzioni per il montaggio

8400 *30 ... 45 kW*



E84AVTCExxxx TopLine C

Frequenzumrichter

Frequency Inverter

Convertisseur de fréquence

Convertidor de frecuencia

Inverter di frequenza

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.



Avertissements !

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).



Gefahr!

Gefährliche elektrische Spannung

- Die Leistungsanschlüsse X100 und X105 führen bis zu 3 Minuten nach Netz-Ausschalten gefährliche elektrische Spannung.

Mögliche Folgen:

- Tod oder schwere Verletzungen beim Berühren der Leistungsanschlüsse.

Schutzmaßnahmen:

- Vor Arbeiten am Gerät Netzspannung ausschalten und mindestens 3 Minuten warten.
- Prüfen, ob alle Leistungsanschlüsse spannungsfrei sind.

Beachten Sie auch weitere wichtige Informationen zur Geräte- und Sicherheitstechnik auf der beiliegenden CD-ROM!



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!



Danger !

Tension électrique dangereuse

- ▶ Les raccordements de puissance X100 et X105 sont susceptibles de véhiculer une tension dangereuse jusqu'à 3 minutes après une coupure réseau.

Risques encourus :

- ▶ Mort ou blessures graves en cas de contact avec les raccordements de puissance

Mesures de protection :

- ▶ Avant toute manipulation de l'appareil, couper la tension réseau et attendre 3 minutes au minimum.
- ▶ S'assurer que tous les raccordements de puissance sont hors tension.

Veuillez également tenir compte des consignes importantes sur la technologie des appareils et les fonctions de sécurité comprises sur le cédérom joint !



¡Peligro!

Voltaje eléctrico peligroso

- ▶ Las conexiones de potencia X100 y X105 siguen vivas hasta 3 minutos después de la desconexión de red.

Posibles consecuencias:

- ▶ Muerte o serias lesiones al tocar las conexiones de potencia.

Medidas de protección:

- ▶ Antes de trabajar en el equipo, desconectar la alimentación de red y esperar por lo menos 3 minutos.
- ▶ Comprobar, si todas las conexiones de potencia están libres de voltaje.

Observe también la información importante sobre aspectos relativos a la técnica del dispositivo



y de seguridad incluida en el CD-ROM adjunto!



Pericolo!

Tensione elettrica pericolosa

- I collegamenti di potenza X100 e X105 presentano una tensione elettrica pericolosa fino a 3 minuti dopo la disinserzione della rete.

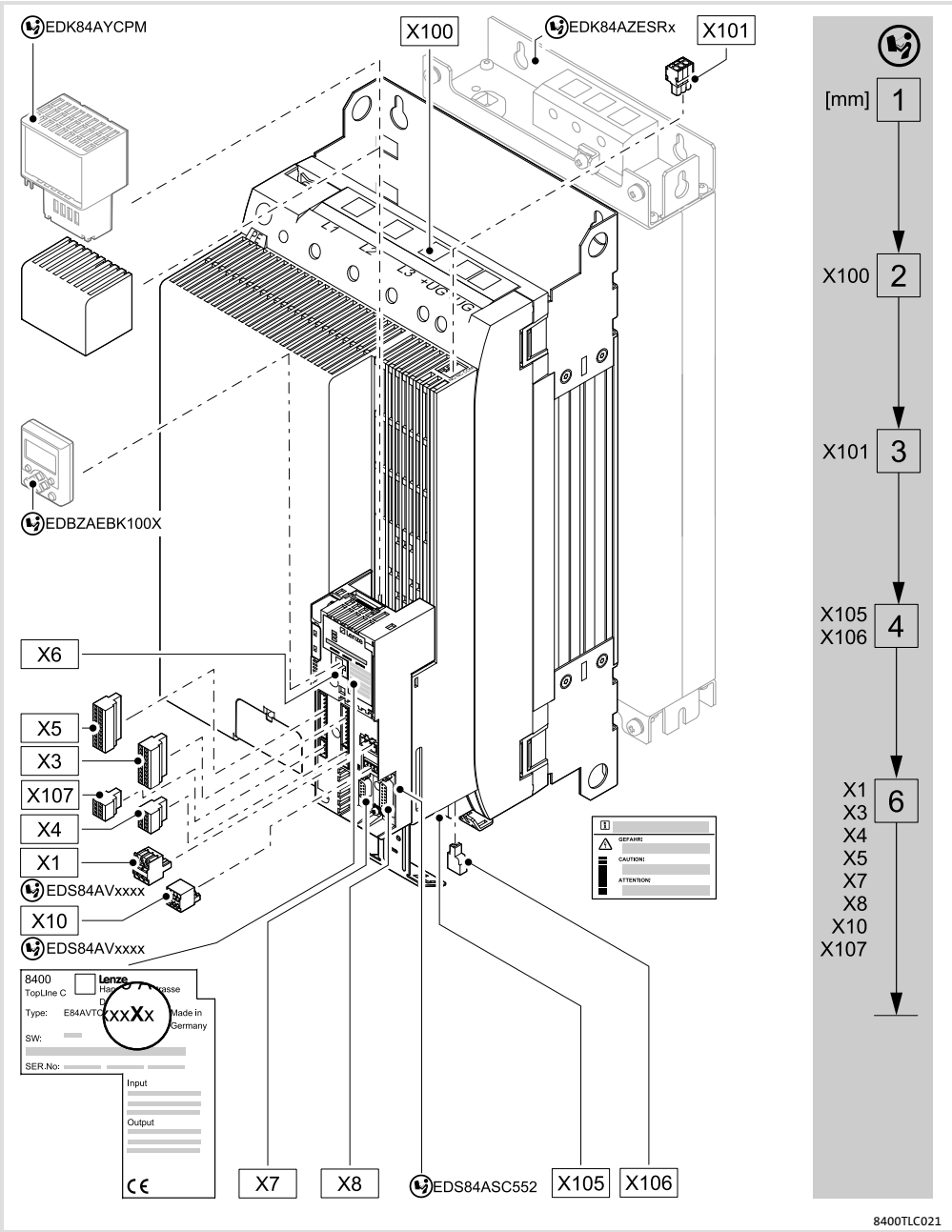
Possibili conseguenze:

- Morte o gravi lesioni in caso di contatto con i collegamenti di potenza.

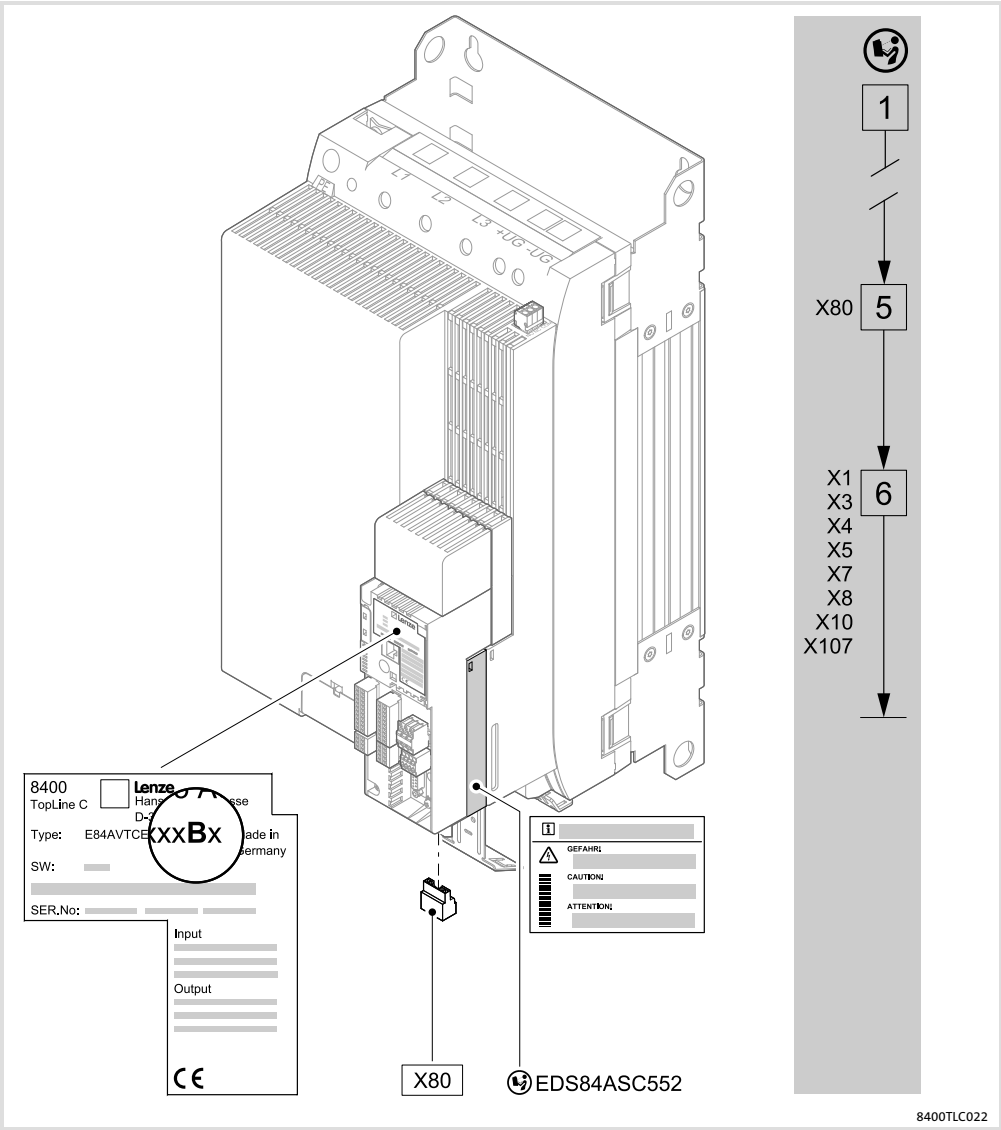
Misure di protezione:

- Attendere almeno 3 minuti prima di eseguire qualsiasi intervento sui collegamenti di potenza.
- Controllare tutti i collegamenti di potenza per accertare l'assenza di tensione.

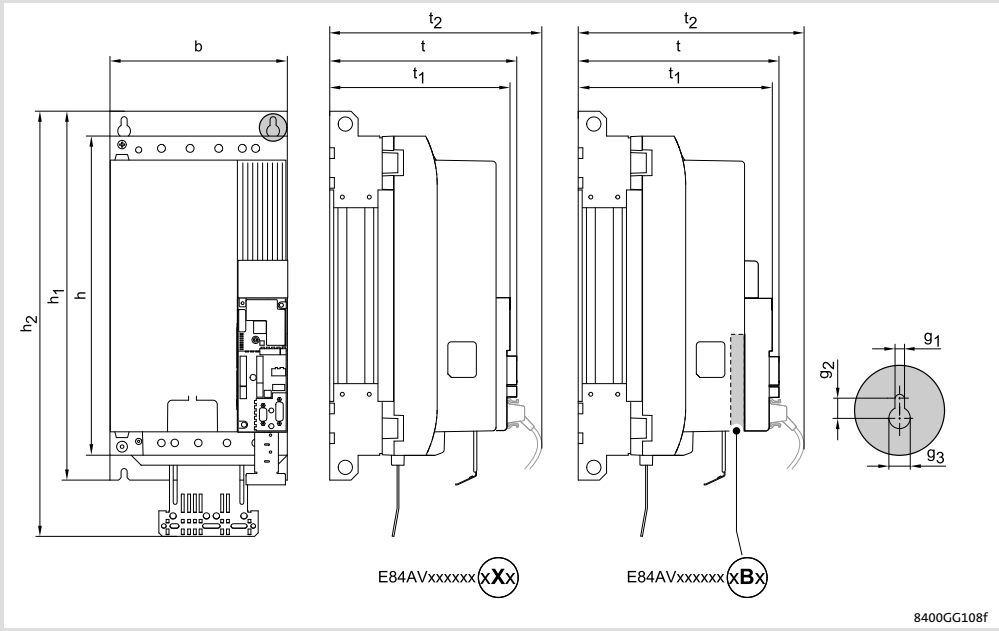
Osservare anche le ulteriori informazioni importanti relative a installazione e sicurezza incluse nel CD-ROM allegato!



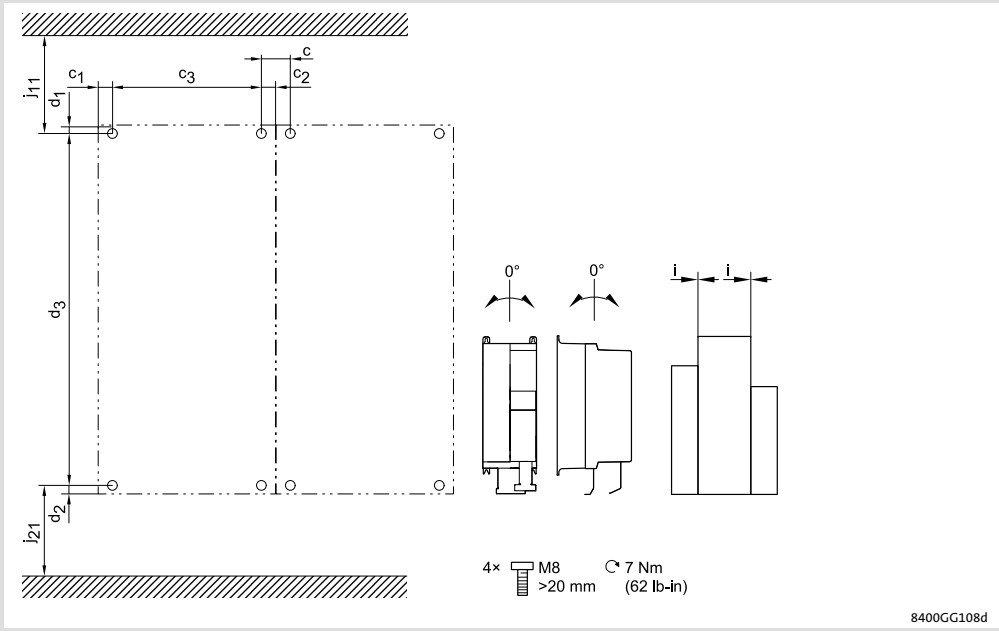
8400TLC021



8400TLC022

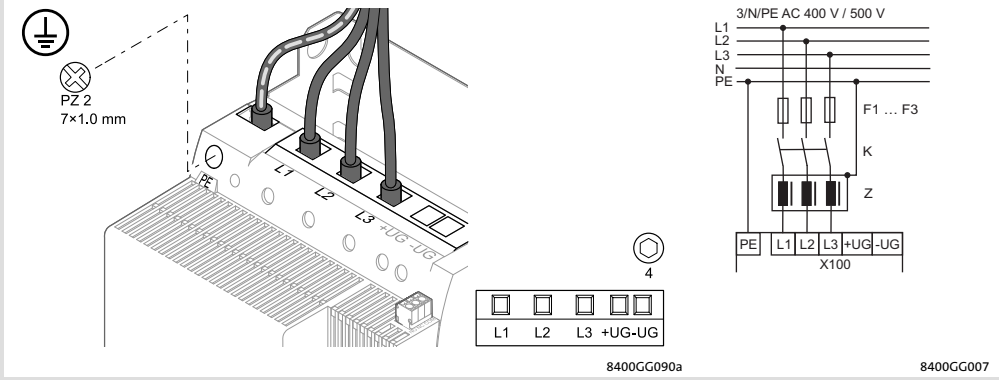


		h	b	t	h ₁	h ₂	t ₁	t ₂	g ₁	g ₂	g ₃
		[mm]									
	[kW]										
E84AVTCE3034xXx	30	450	250	265	520	636	252	291	8.5	16	18
E84AVTCE3734xXx	37										
E84AVTCE4534xXx	45										
E84AVTCE3034xBx	30	450	250	285	520	636	272	311	8.5	16	18
E84AVTCE3734xBx	37										
E84AVTCE4534xBx	45										

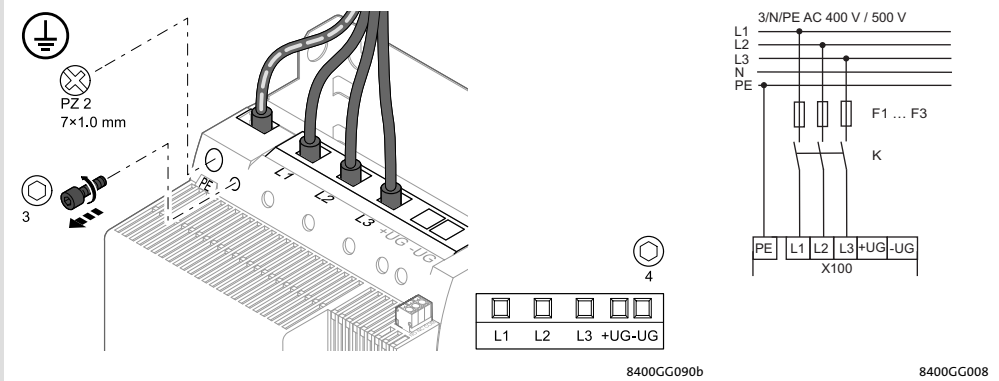


		d ₁	d ₂	d ₃	c	c ₁	c ₂	c ₃	i	j ₁₁	j ₂₁	
		[mm]										[kg]
	[kW]											
E84AVTCE3034xXx	30	8	12	500	40	20	20	210	0	> 95	> 120	17.4
E84AVTCE3734xXx	37											
E84AVTCE4534xXx	45											
E84AVTCE3034xBx	30	8	12	500	40	20	20	210	0	> 95	> 120	17.5
E84AVTCE3734xBx	37											
E84AVTCE4534xBx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

X100 - TN, TT



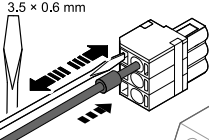
X100 - IT

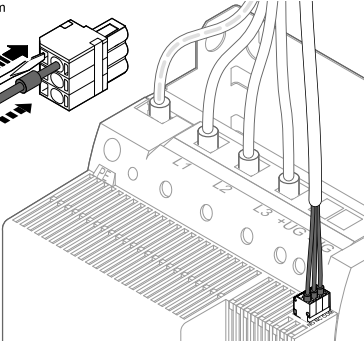


	F						L1, L2, L3			PE		
	EN 60204				UL							
	[A]		[A]		[A]	[A]	[mm²] [AWG]	[mm]	[Nm] [lb-in]	[mm²] [AWG]	[mm]	[Nm] [lb-in]
E84AVTCE3034	80	C80	-	-	-	-	16 ... 50 6 ... 0	24	4.0 35	2.5 ... 25 12 ... 2	16	4.0 35
E84AVTCE3734	100	C100	-	-	-	-						
E84AVTCE4534	125	C125	-	-	-	-						

X101

3.5 × 0.6 mm

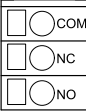




COM

NC

NO

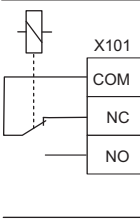


X101

COM

NC

NO



8400GG090c

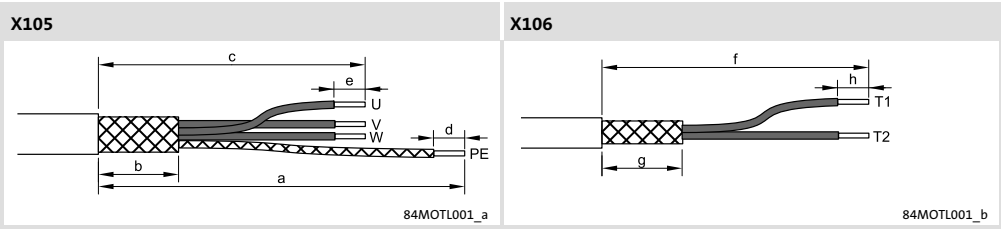
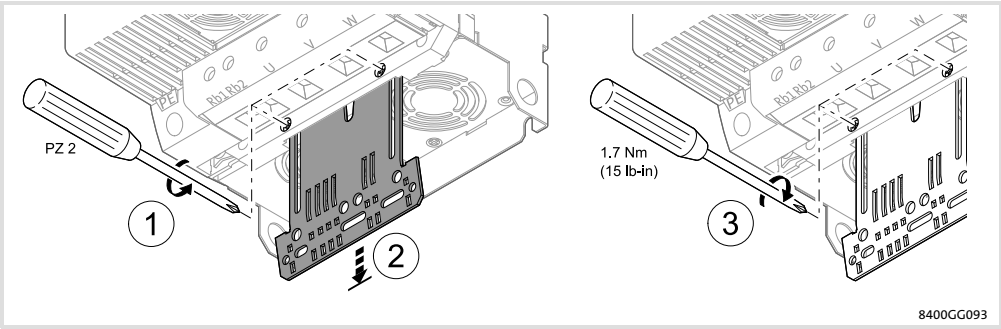
8400GG010

	COM, NC, NO	
		
	[mm²] [AWG]	[mm]
E84AVTCE3034 E84AVTCE3734 E84AVTCE4534	0.2 ... 1.5 24 ... 16	10

EDK84VTCE453 DE/EN/FR/ES/IT 2.3

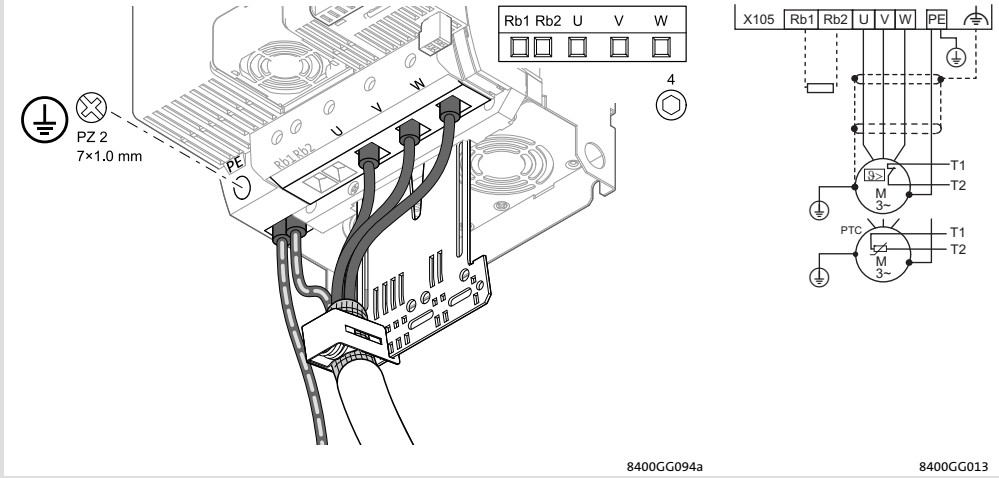
10

Lenze

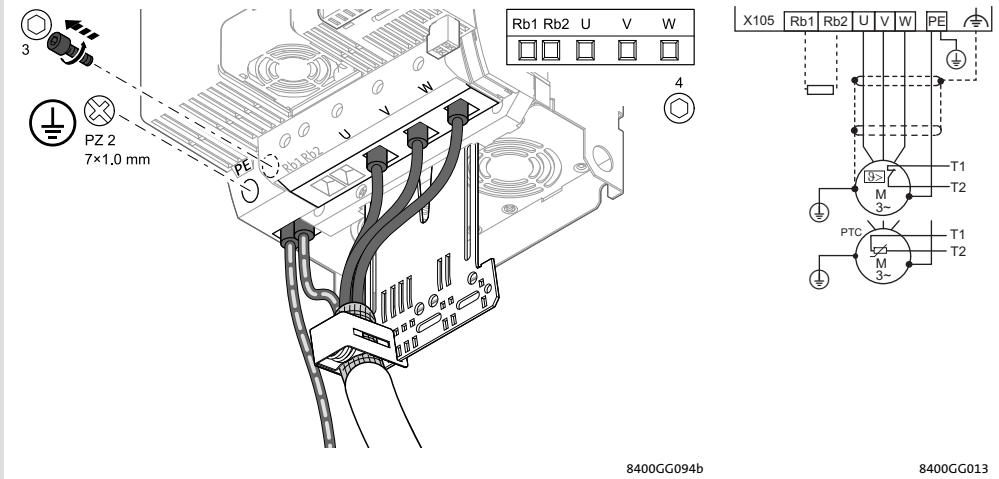


	U, V, W					PE				T1, T2			
	b	c	e			a	d			f	g	h	
	[mm]			[mm ²] [AWG]	[Nm] [lb-in]	[mm]		[mm ²] [AWG]	[Nm] [lb-in]	[mm]			[mm ²] [AWG]
E84AVTCE3034	40	190	24	16 ... 50	4.0	250	16	2.5 ... 25	4.0	240	40	10	0.2 ... 1.5
E84AVTCE3734				6 ... 0	35			12 ... 2	35				24 ... 16
E84AVTCE4534													

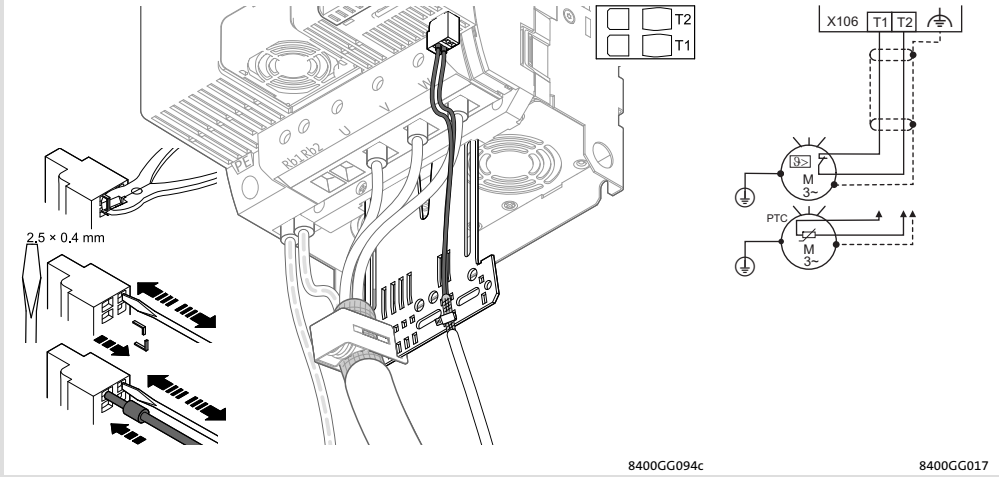
X105 - TN, TT

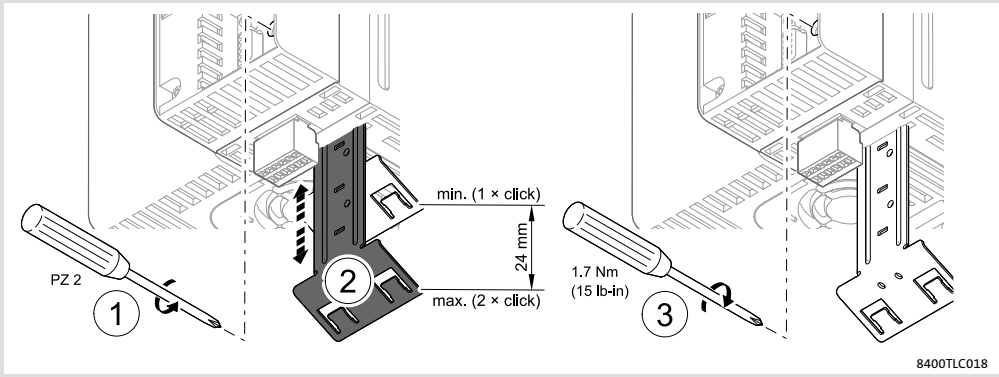


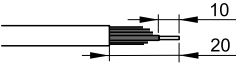
X105 - IT



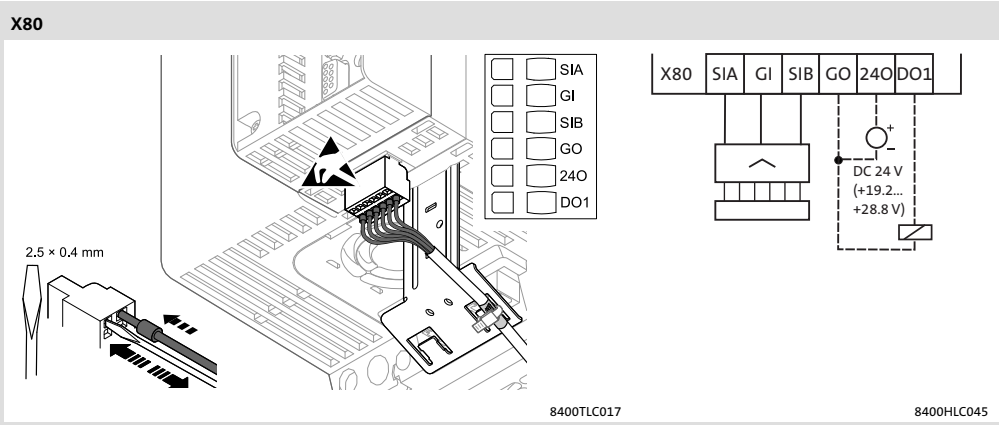
X106

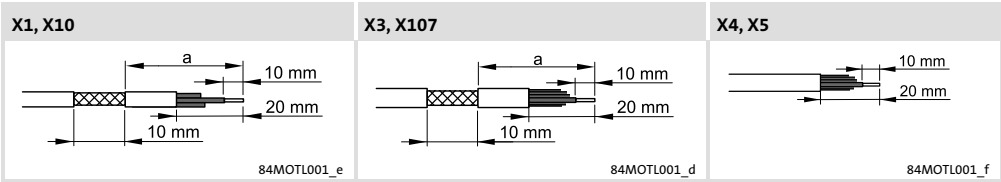
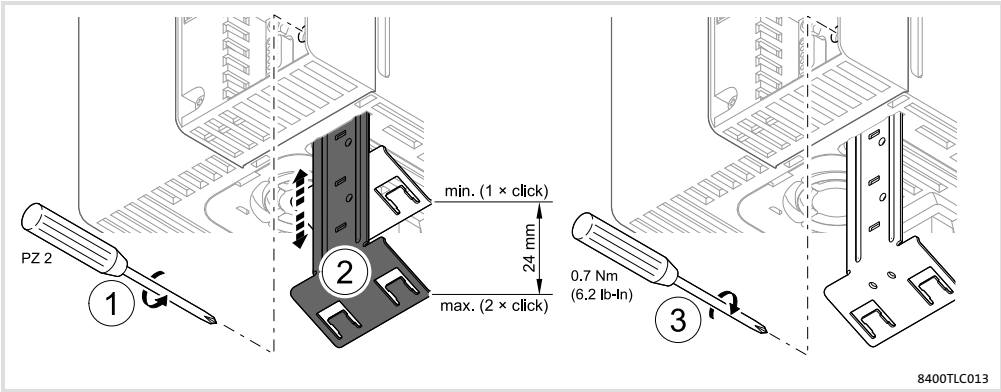




	
[mm]	[mm ²] [AWG]
	0.2 ... 1.5 24 ... 16

84MOTL001_g





X1			X3			X4, X5			X10			X107		
min.	max.		min.	max.					min.	max.		min.	max.	
a	a	[mm ²] [AWG]	a	a	[mm ²] [AWG]	[mm ²] [AWG]	[mm ²] [AWG]		a	a	[mm ²] [AWG]	a	a	[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

X1

2.5 × 0.4 mm

CG	CL	CH
CG	CL	CH
CG	CL	CH

CG CL CH

X1 C L

CAN-High

CAN-Low

CAN-Ground

120Ω

EDS84AV/xxxx

8400TLC002b

8400TLC008

X3

2.5 × 0.4 mm

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

AR A1U A1I A2U A2I GA O1U O1I O2U O2I

GND-A

+10 V / 10 mA

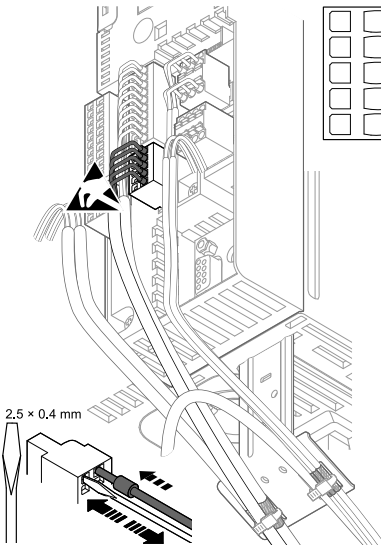
0 ... 10 V

1k ... 10k

8400TLC002c

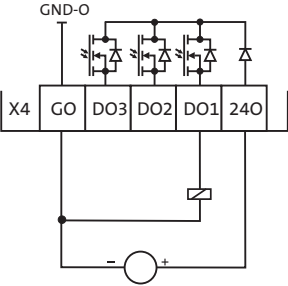
8400HLC012

X4



	24O
	DO1
	DO2
	DO3
	GO

2.5 x 0.4 mm

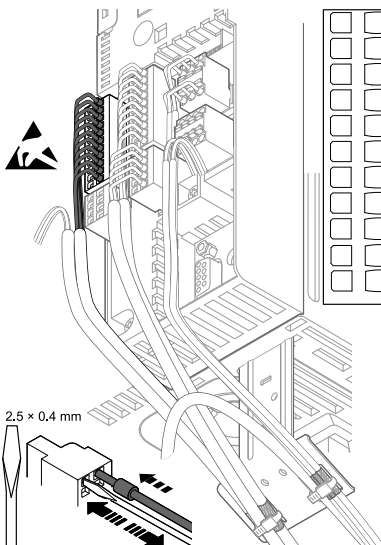


DC 24 V
(+19.2...+28.8 V)

8400TLC002f

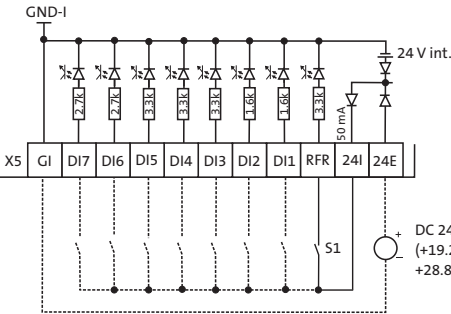
8400HLC045

X5



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

2.5 x 0.4 mm

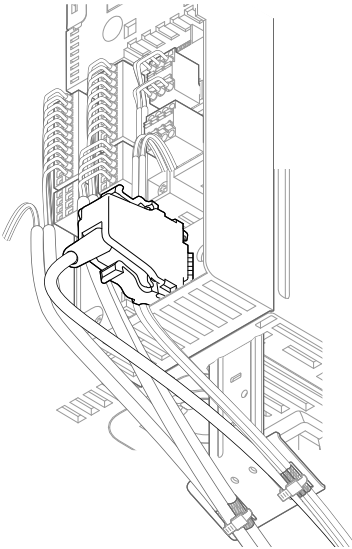


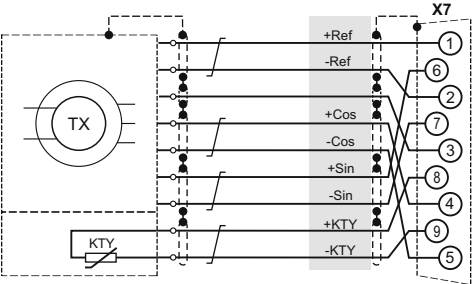
DC 24 V
(+19.2...+28.8 V)

8400TLC002h

8400HLC045

X7



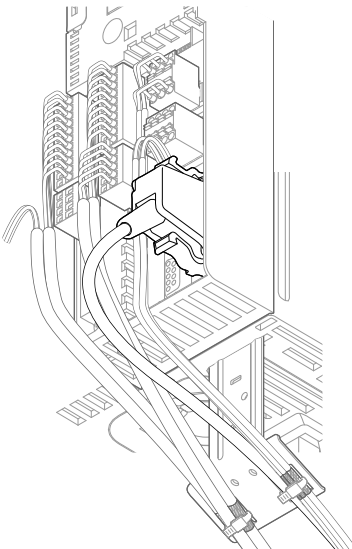


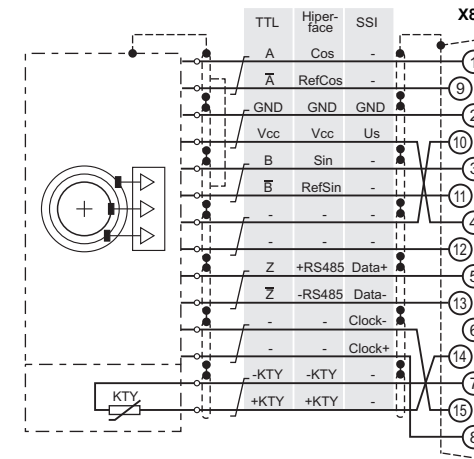
	1	2	3	4	5	6	7	8	9	10
	+Ref	-Ref	+Cos	-Cos	+Sin	-Sin	+KTY	-KTY		

8400TLC002k

SSP94RESX7

X8



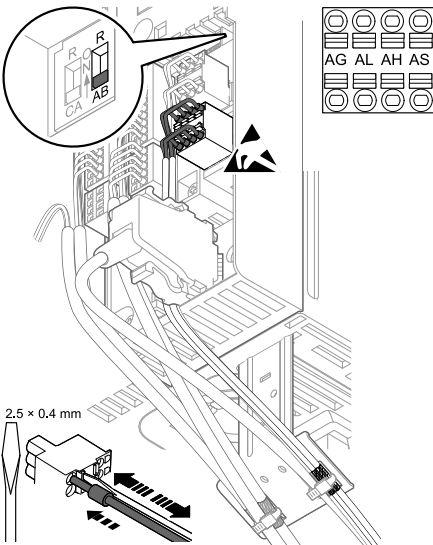


	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
TTL	A	$\bar{A}$	GND	Vcc	B	$\bar{B}$	Z	$\bar{Z}$	-	-	-	-	-	-KTY	+KTY
Hiper-face	Cos	RefCos	GND	Vcc	Sin	RefSin	+RS485 Data+	-RS485 Data-	-	-	-	-	-	+KTY	-
SSI	-	-	GND	Vcc	-	-	-	-	-	-	-	-	-	-	-

8400TLC002m

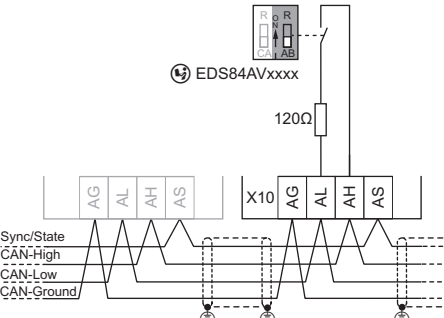
SSP94ENCX8

X10



2.5 × 0.4 mm

AG	AL	AH	AS
----	----	----	----



EDS84AVxxxx

120Ω

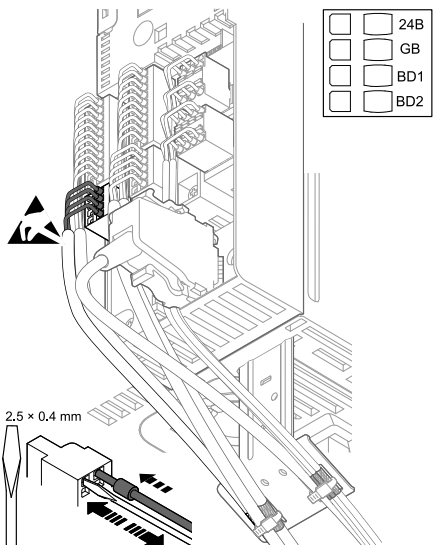
AG AL AH AS

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

8400TLC002o

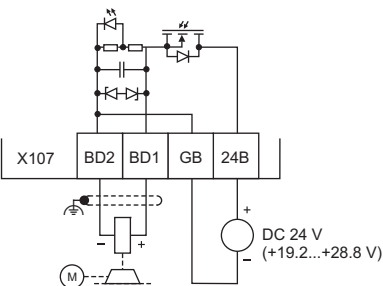
8400TLC009

X107



2.5 × 0.4 mm

24B
GB
BD1
BD2



BD2 BD1 GB 24B

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

8400TLC002q

8400HLC045



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Lenze Drives GmbH
Postfach 10 13 52, D-31763 Hameln
Breslauer Straße 3, D-32699 Extertal
Germany



+49 5154 82-0



+49 5154 82-2800



lenze@lenze.com



www.lenze.com



Service Lenze Service GmbH
Breslauer Straße 3, D-32699 Extertal

Germany



008000 2446877 (24 h helpline)



+49 5154 82-1112



service@lenze.com

EDK84VTCE453 ■ 13406495 ■ DE/EN/FR/ES/IT ■ 2.3 ■ TD15

10 9 8 7 6 5 4 3 2 1



L-force *Drives*

Montageanleitung

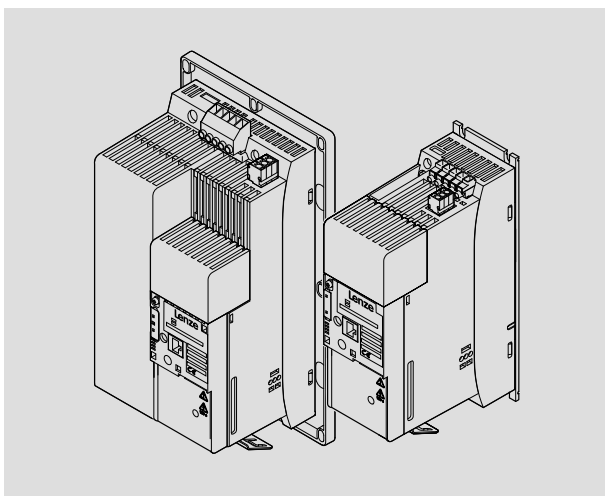
Mounting Instructions

Instructions de montage

Instrucciones para el montaje

Istruzioni per il montaggio

8400 0.25 ... 45 kW



E84AVxCCxxxx Cold Plate

Frequenzumrichter

Frequency Inverter

Convertisseur de fréquence

Convertidor de frecuencia

Inverter di frequenza

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.



Avertissements !

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).



Gefahr!

Gefährliche elektrische Spannung

- Die Leistungsanschlüsse X100 und X105 führen bis zu 3 Minuten nach Netz-Ausschalten gefährliche elektrische Spannung.

Mögliche Folgen:

- Tod oder schwere Verletzungen beim Berühren der Leistungsanschlüsse.

Schutzmaßnahmen:

- Vor Arbeiten am Gerät Netzspannung ausschalten und mindestens 3 Minuten warten.
- Prüfen, ob alle Leistungsanschlüsse spannungsfrei sind.

Beachten Sie auch weitere wichtige Informationen zur Geräte- und Sicherheitstechnik auf der beiliegenden CD-ROM!



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!



Danger !

Tension électrique dangereuse

- ▶ Les raccordements de puissance X100 et X105 sont susceptibles de véhiculer une tension dangereuse jusqu'à 3 minutes après une coupure réseau.

Risques encourus :

- ▶ Mort ou blessures graves en cas de contact avec les raccordements de puissance

Mesures de protection :

- ▶ Avant toute manipulation de l'appareil, couper la tension réseau et attendre 3 minutes au minimum.
- ▶ S'assurer que tous les raccordements de puissance sont hors tension.

Veillez également tenir compte des consignes importantes sur la technologie des appareils et les fonctions de sécurité comprises sur le CD-ROM joint !



¡Peligro!

Voltaje eléctrico peligroso

- ▶ Las conexiones de potencia X100 y X105 siguen vivas hasta 3 minutos después de la desconexión de red.

Posibles consecuencias:

- ▶ Muerte o serias lesiones al tocar las conexiones de potencia.

Medidas de protección:

- ▶ Antes de trabajar en el equipo, desconectar la alimentación de red y esperar por lo menos 3 minutos.
- ▶ Comprobar, si todas las conexiones de potencia están libres de voltaje.

Observe también la información importante sobre aspectos relativos a la técnica del dispositivo y de seguridad incluida en el CD-ROM adjunto!



Pericolo!

Tensione elettrica pericolosa

- ▶ I collegamenti di potenza X100 e X105 presentano una tensione elettrica pericolosa fino a 3 minuti dopo la disinserzione della rete.

Possibili conseguenze:

- ▶ Morte o gravi lesioni in caso di contatto con i collegamenti di potenza.

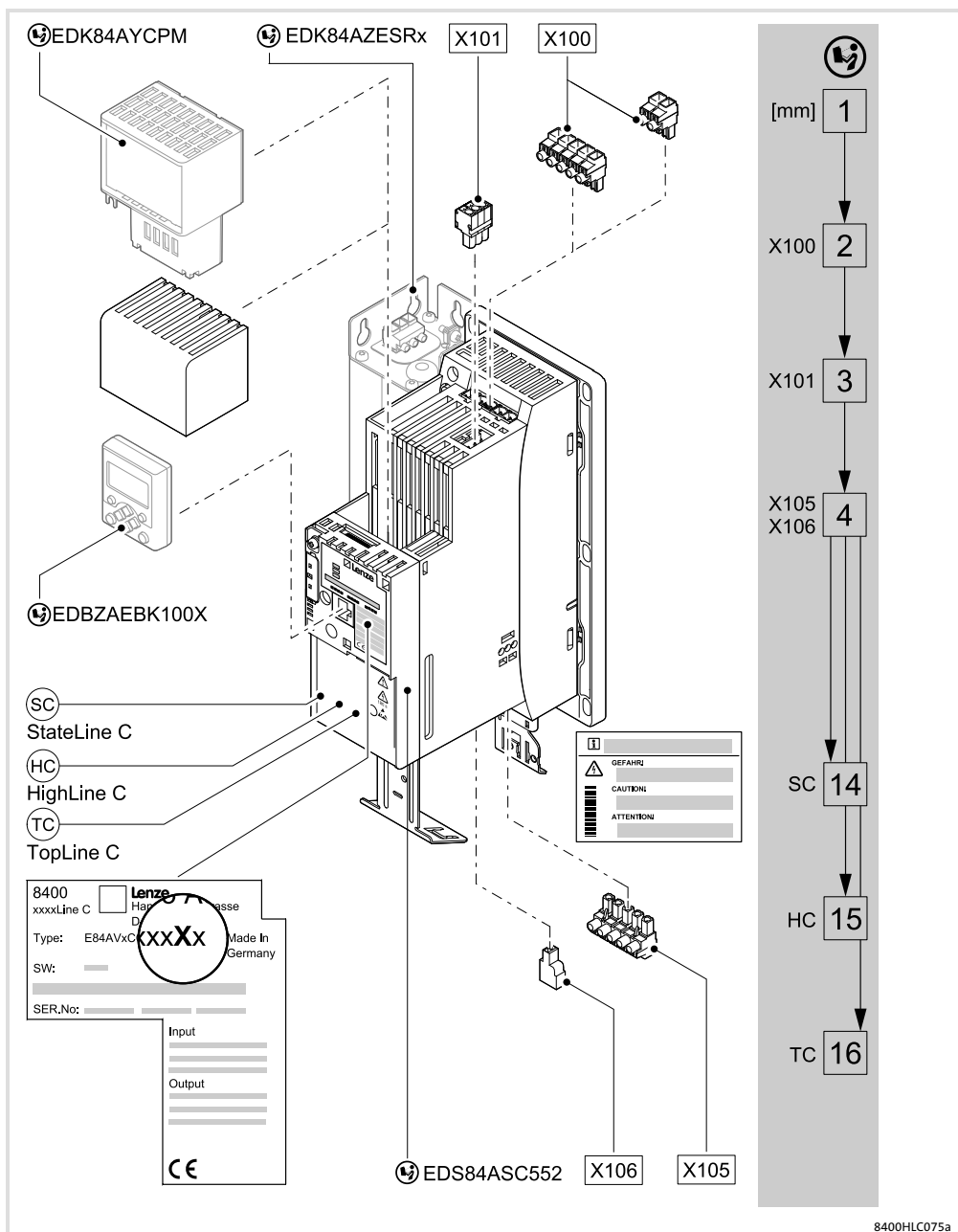
Misure di protezione:

- ▶ Attendere almeno 3 minuti prima di eseguire qualsiasi intervento sui collegamenti di potenza.
- ▶ Controllare tutti i collegamenti di potenza per accertare l'assenza di tensione.

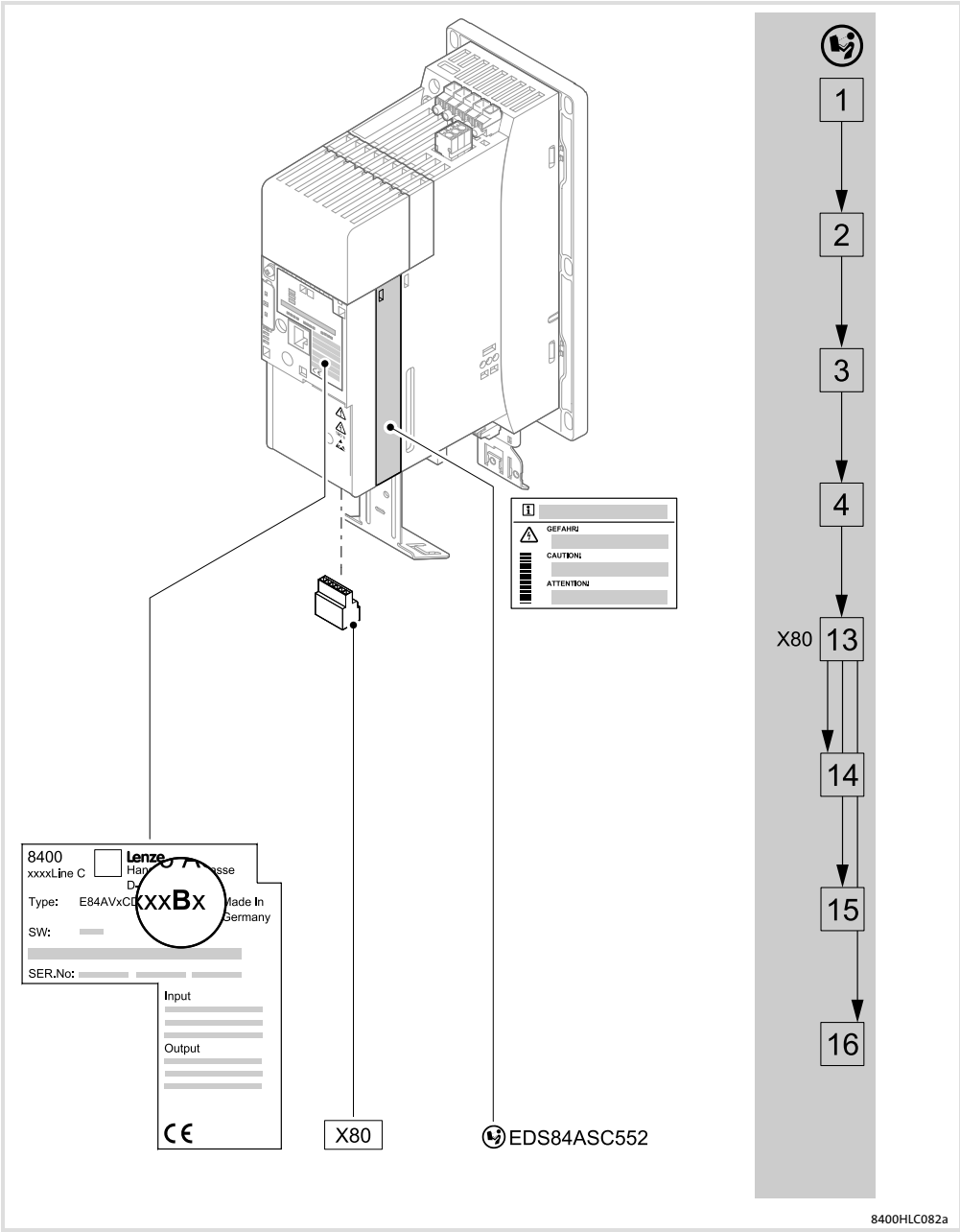
Osservare anche le ulteriori informazioni importanti relative a installazione e sicurezza incluse nel CD-ROM allegato!



0.25 ... 3.0 kW



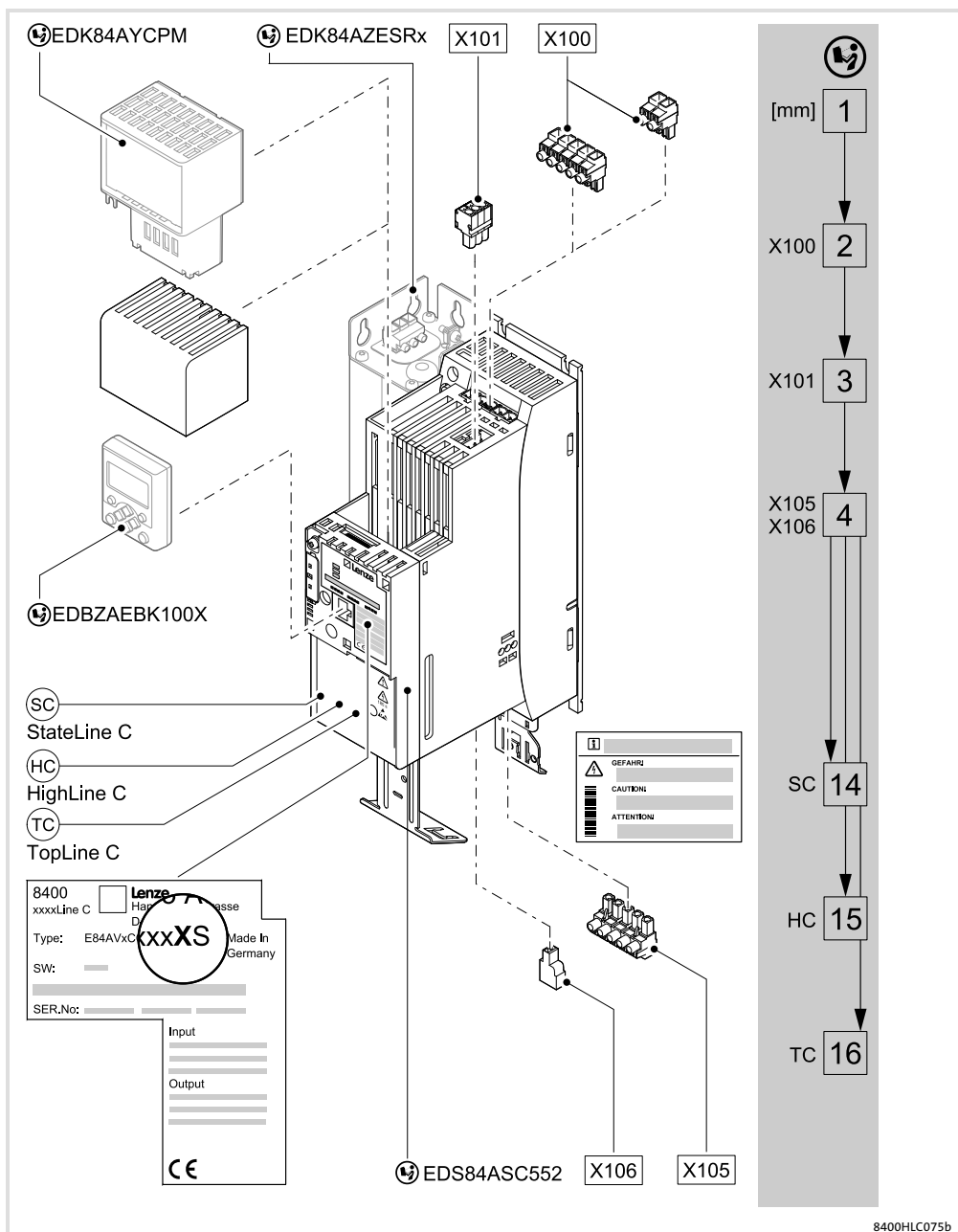
8400HLC075a



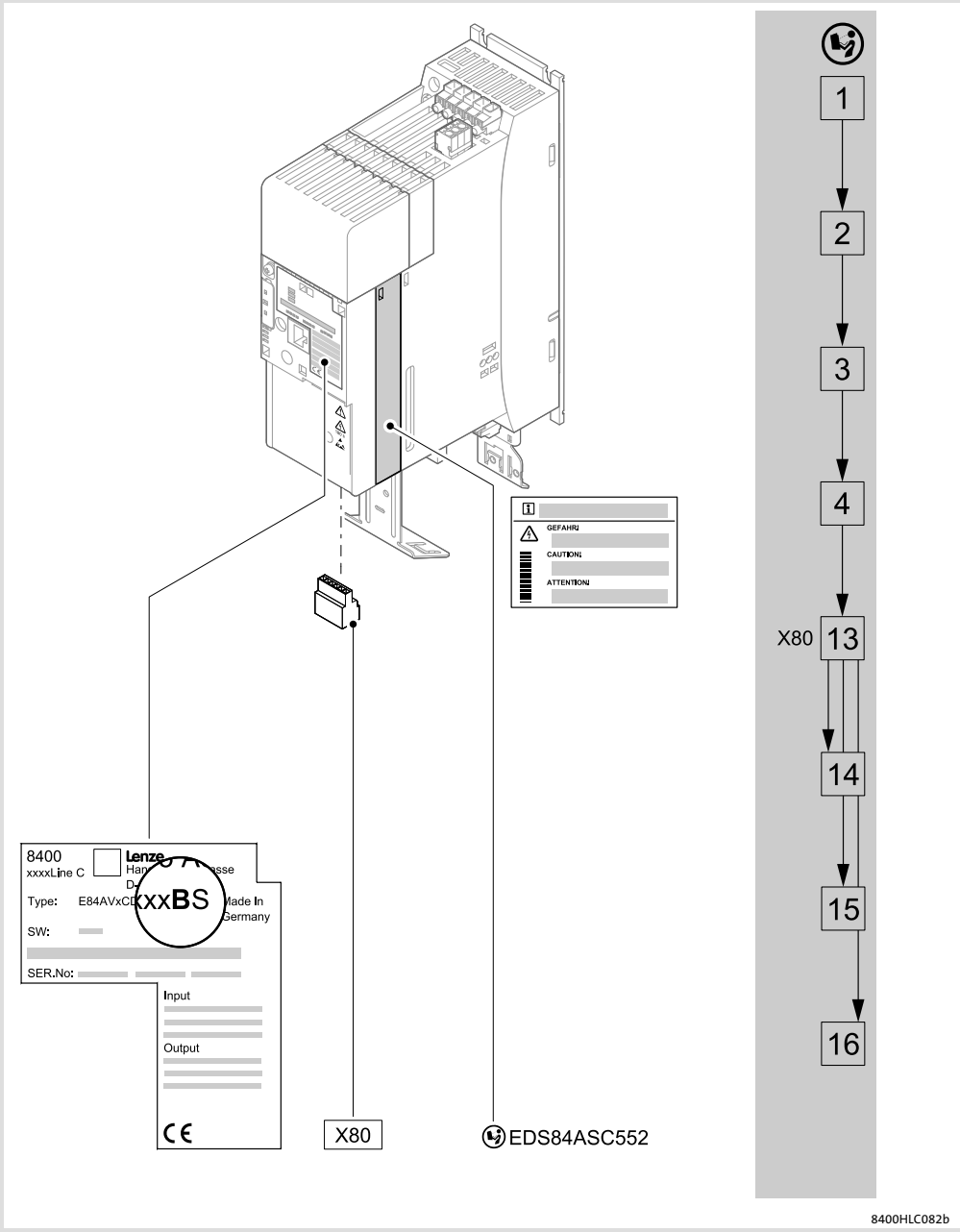
8400HLC082a



0.37 ... 3.0 kW



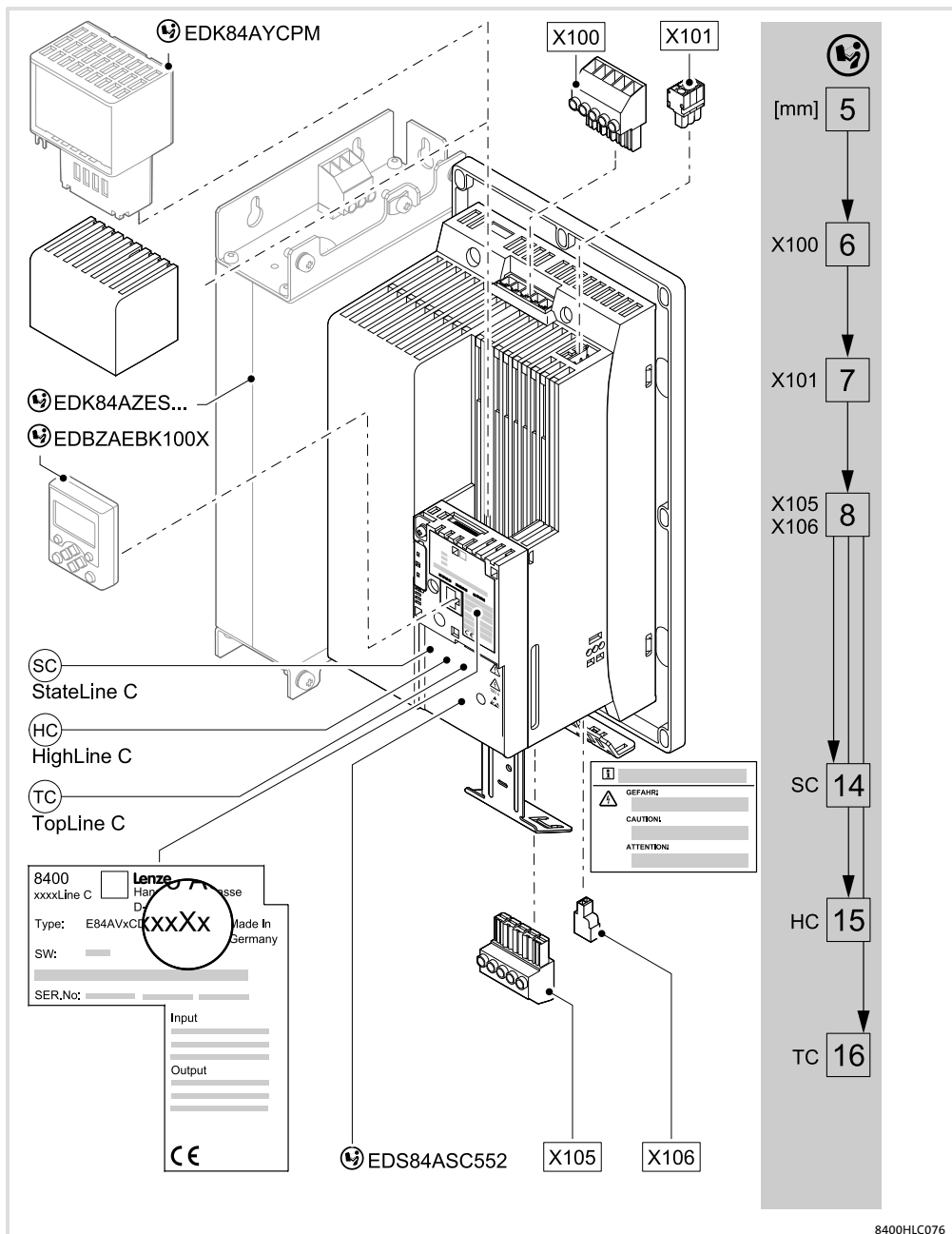
8400HLC075b

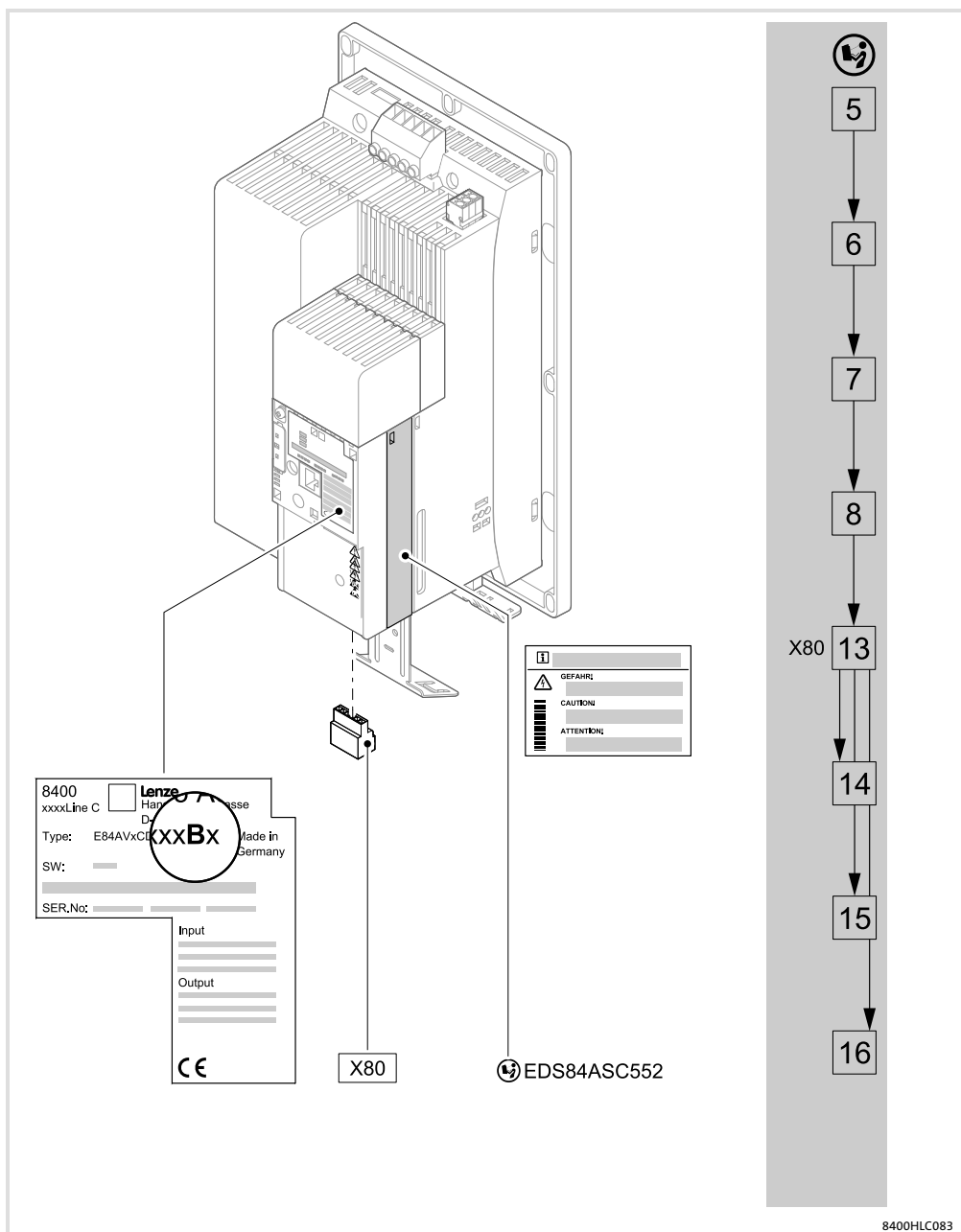


8400HLC082b

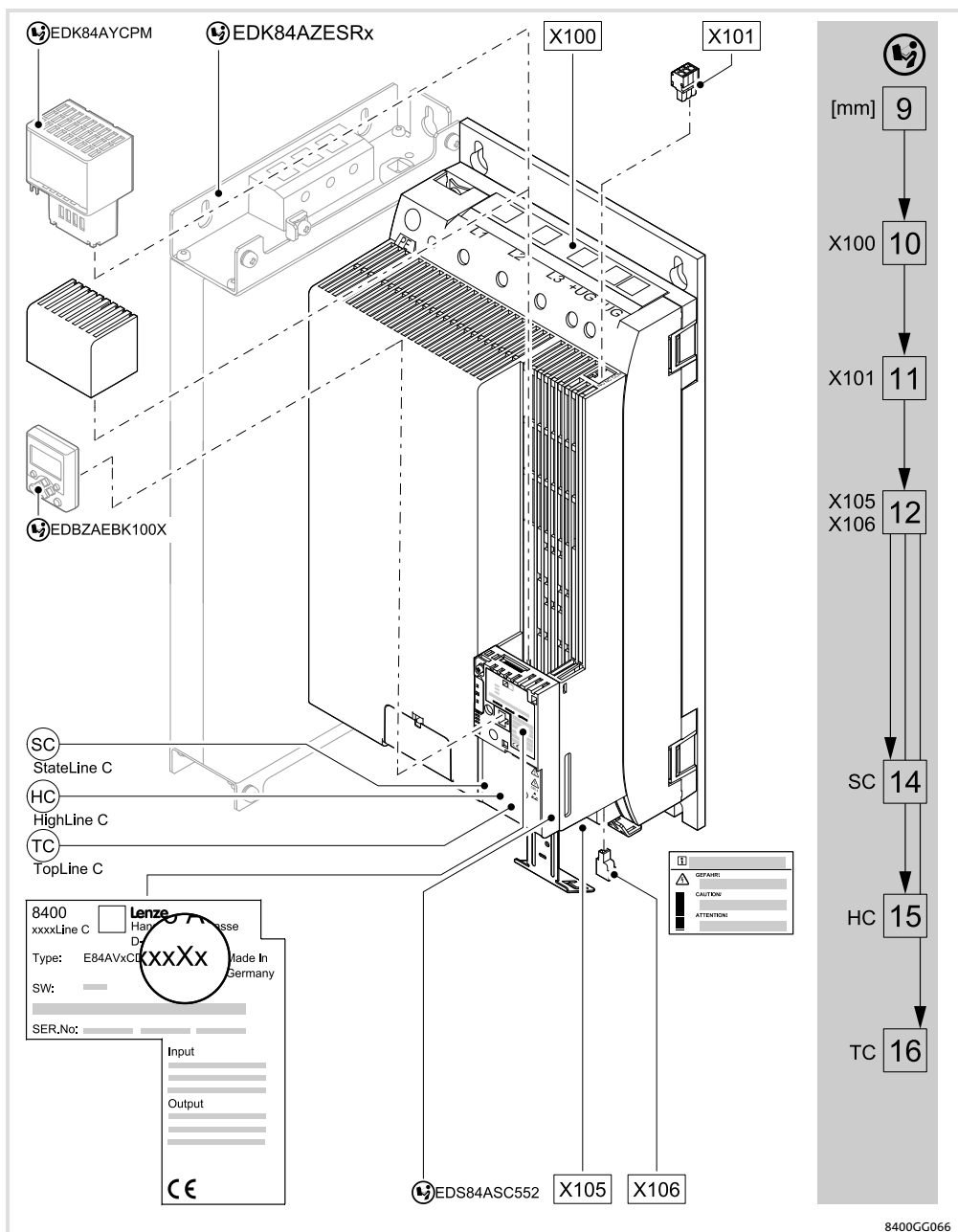


0.37 ... 3.0 kW





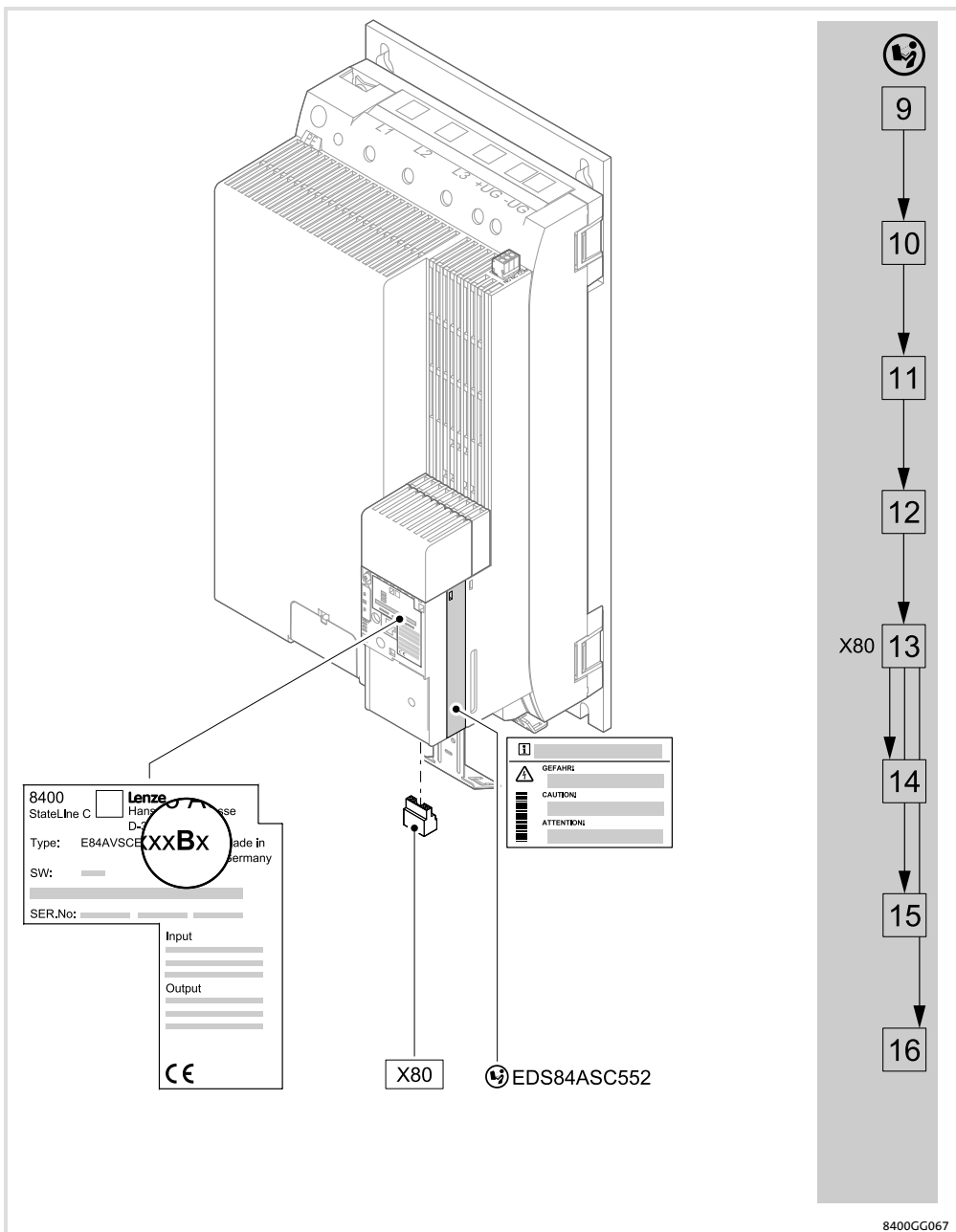
8400HLC083



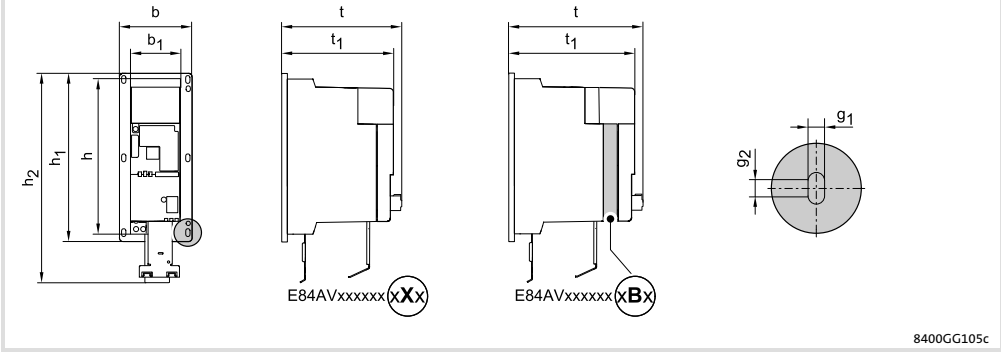
8400CG066



30 ... 45 kW

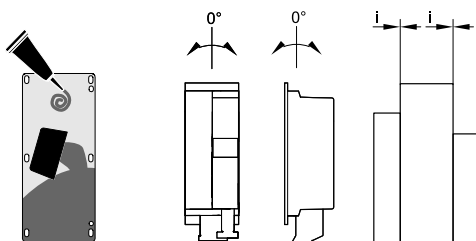
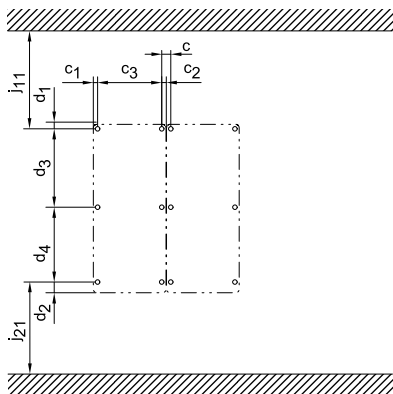


StateLine, HighLine



		h	b	t	h ₁	h ₂	b ₁	t ₁	g ₁	g ₂
		[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

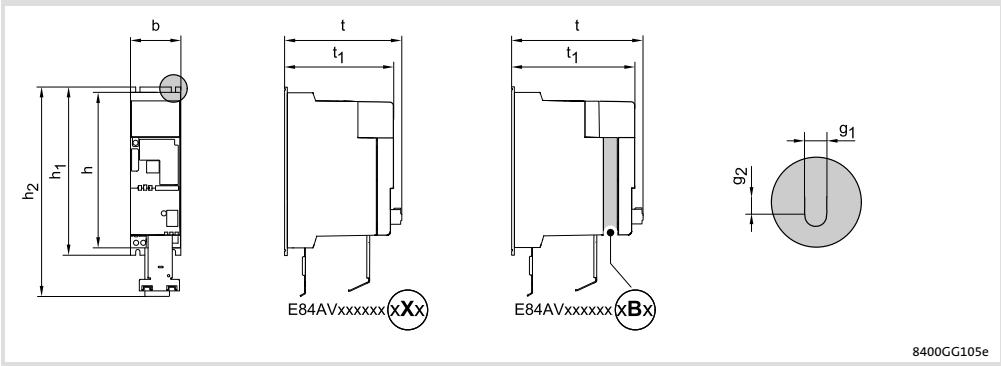


6x  M5
 > 10 mm  3.4 Nm
 (30 lb-in)

8400GG105a

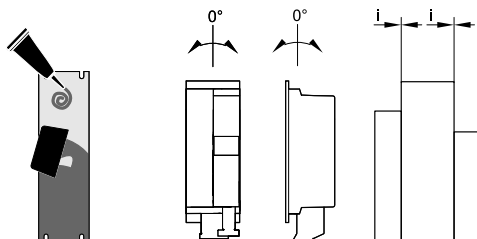
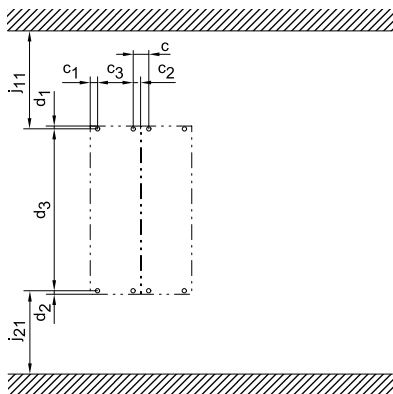
		d ₁	d ₂	d ₃	d ₄	c	c ₁	c ₂	c ₃	i	j ₁₁	j ₂₁	
	[kW]	[mm]											[kg]
E84AVxxC2512xX0	0.25	10	10	85	80	12	6	6	90	0	> 95	> 95	1.3
E84AVxxC3712xX0	0.37												
E84AVxxC3714xX0	0.37	8.5	12.5	110	105	12	6	6	90	0	> 95	> 95	1.5
E84AVxxC551xxX0	0.55												
E84AVxxC751xxX0	0.75												
E84AVxxC112xxX0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

StateLine, HighLine



		h	b	t	h ₁	h ₂	t ₁	g ₁	g ₂
		[mm]							
	[kW]								
E84AVxxC3714xXS	0.37	215	70	163	236	276	150	6	5
E84AVxxC551xxXS	0.55								
E84AVxxC751xxXS	0.75								
E84AVxxC112xxXS	1.1								
E84AVxxC152xxXS	1.5								
E84AVxxC222xxXS	2.2	270	70	163	295	335	150	6	5
E84AVxxC3024xXS	3.0								
E84AVxxC3714xB5	0.37								
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

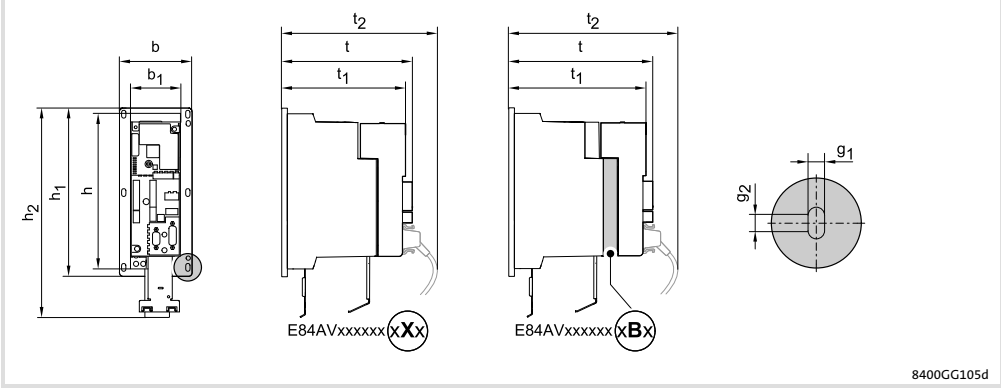


4x  M5
 $> 10 \text{ mm}$ $\hookrightarrow$ 3.4 Nm
 (30 lb-in)

8400GG105b

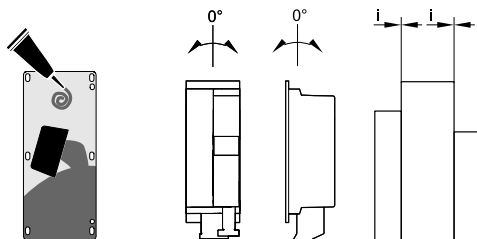
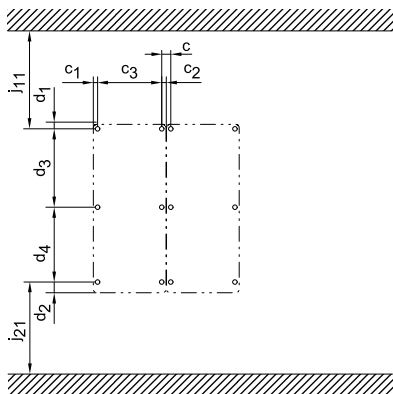
	[kW]	d_1	d_2	d_3	c	c_1	c_2	c_3	i	j_{11}	j_{21}	
		[mm]										[kg]
E84AVxxC3714xXS	0.37											
E84AVxxC551xxXS	0.55	4	4	228	20	10	10	50	0	> 95	> 95	1.5
E84AVxxC751xxXS	0.75											
E84AVxxC112xxXS	1.1											
E84AVxxC152xxXS	1.5											
E84AVxxC222xxXS	2.2	5	5	285	20	10	10	50	0	> 95	> 95	2.0
E84AVxxC3024xXS	3.0											
E84AVxxC3714xB	0.37											
E84AVxxC551xxB	0.55	4	4	228	20	10	10	50	0	> 95	> 95	1.6
E84AVxxC751xxB	0.75											
E84AVxxC112xxB	1.1											
E84AVxxC152xxB	1.5											
E84AVxxC222xxB	2.2	5	5	285	20	10	10	50	0	> 95	> 95	2.1
E84AVxxC3024xB	3.0											

TopLine



	[kW]	h	b	t	h ₁	h ₂	b ₁	t ₁	t ₂	g ₁	g ₂
		[mm]									
E84AVTCC551xxX0	0.55	215	102	178	236	276	70	165	205	6	5
E84AVTCC751xxX0	0.75										
E84AVTCC112xxX0	1.1										
E84AVTCC152xxX0	1.5	270	137	178	295	335	70	165	205	6	5
E84AVTCC222xxX0	2.2										
E84AVTCC551xxB0	0.55										
E84AVTCC751xxB0	0.75	215	102	198	236	276	70	185	225	6	5
E84AVTCC112xxB0	1.1										
E84AVTCC152xxB0	1.5										
E84AVTCC222xxB0	2.2	270	137	198	295	335	70	185	225	6	5

TopLine

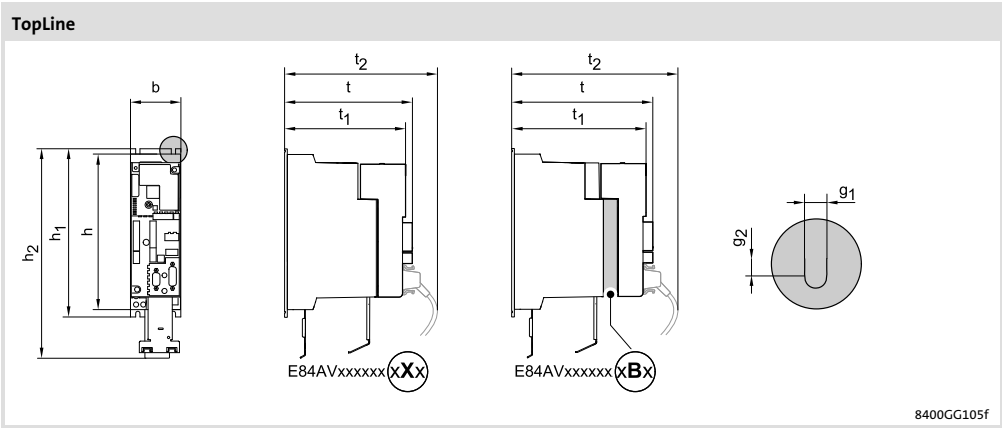


6x  M5
> 10 mm

 3.4 Nm
(30 lb-in)

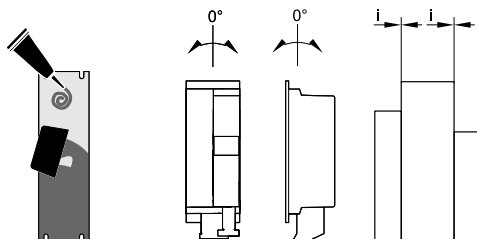
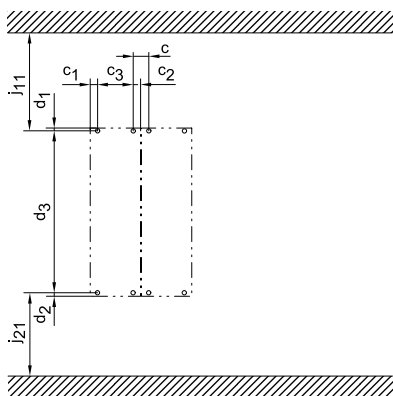
8400GG105a

		d ₁	d ₂	d ₃	d ₄	c	c ₁	c ₂	c ₃	i	j ₁₁	j ₂₁	
	[kW]	[mm]											[kg]
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



		h	b	t	h ₁	h ₂	t ₁	t ₂	g ₁	g ₂
		[mm]								
	[kW]									
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

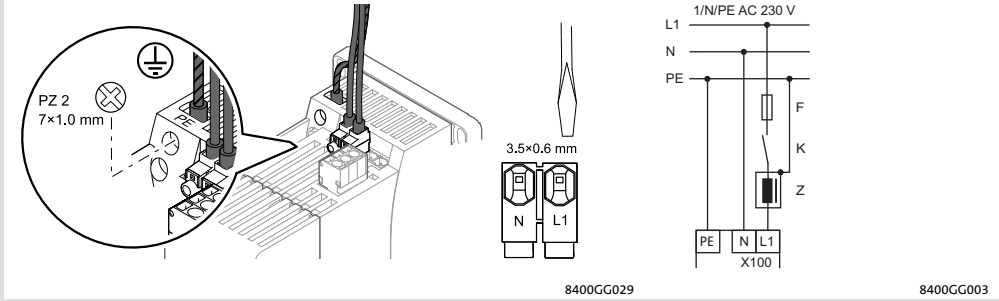


4×  M5
>10 mm $\hookrightarrow$ 3.4 Nm
(30 lb-in)

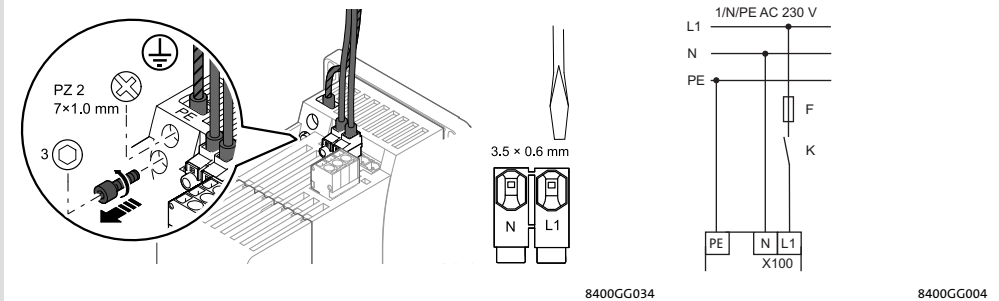
8400GG105b

	[kW]	d ₁	d ₂	d ₃	c	c ₁	c ₂	c ₃	i	j ₁₁	j ₂₁	
		[mm]										[kg]
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

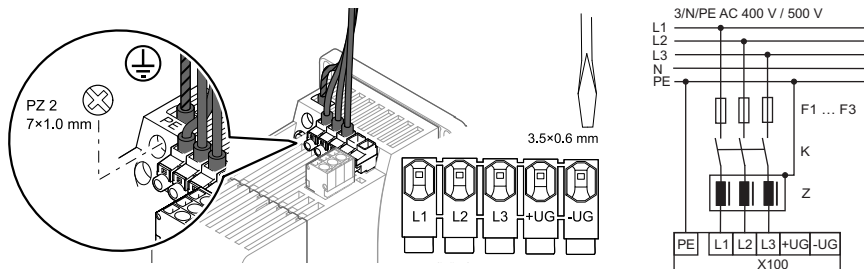


X100 - IT



	F						L1, N			PE		
	EN 60204				UL							
	[A]		[A]		[A]	[A]	[mm²] [AWG]	[mm]	[Nm] [lb-in]	[mm²] [AWG]	[mm]	[Nm] [lb-in]
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						

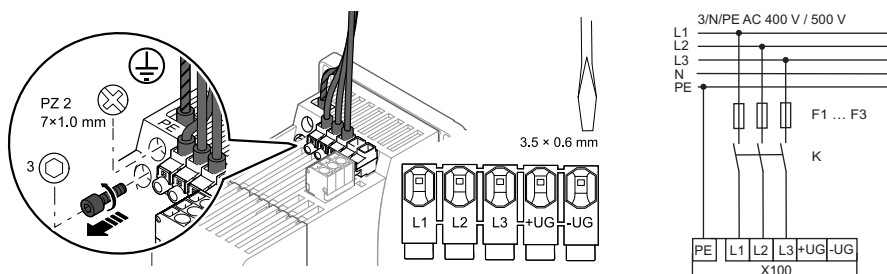
X100 - TN, TT



8400GG035

8400GG007

X100 - IT



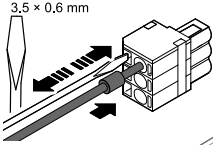
8400GG036

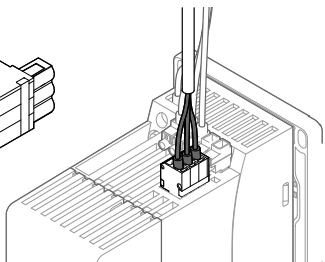
8400GG008

	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]
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

3.5 × 0,6 mm





☐ ☐ COM

☐ ☐ NC

☐ ☐ NO

X101

COM

NC

NO

8400GG037

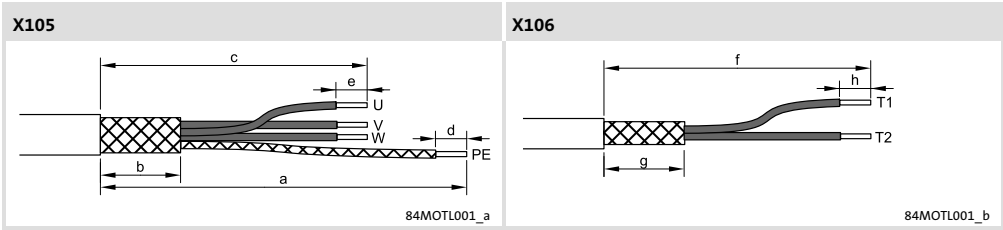
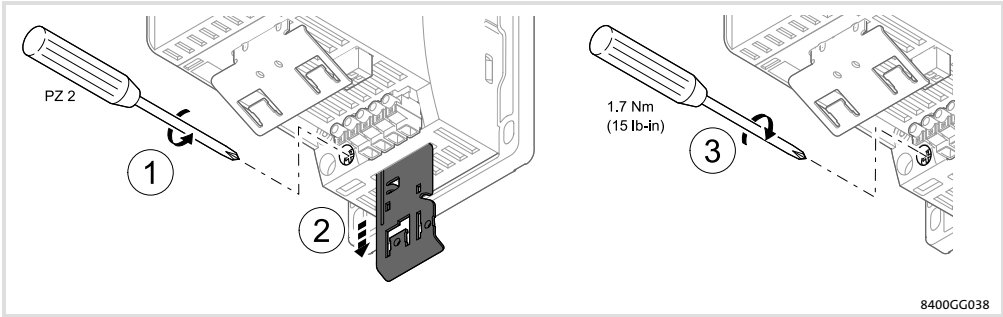
8400GG010

	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

EDK84VxCC153xxB DE/EN/FR/ES/IT 5.2

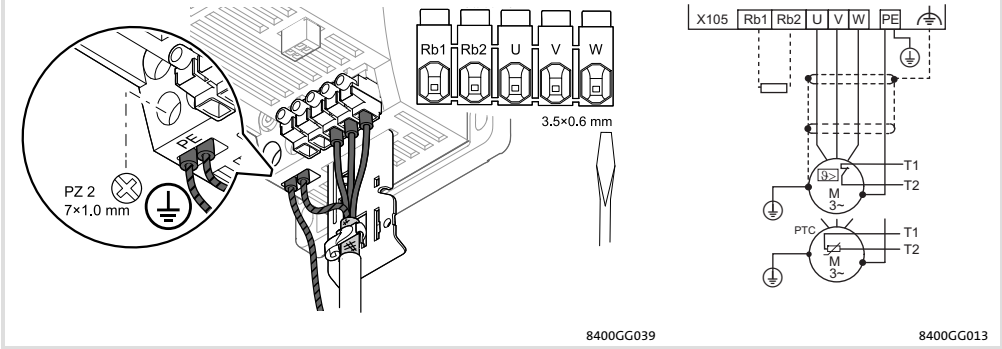
Lenze

23

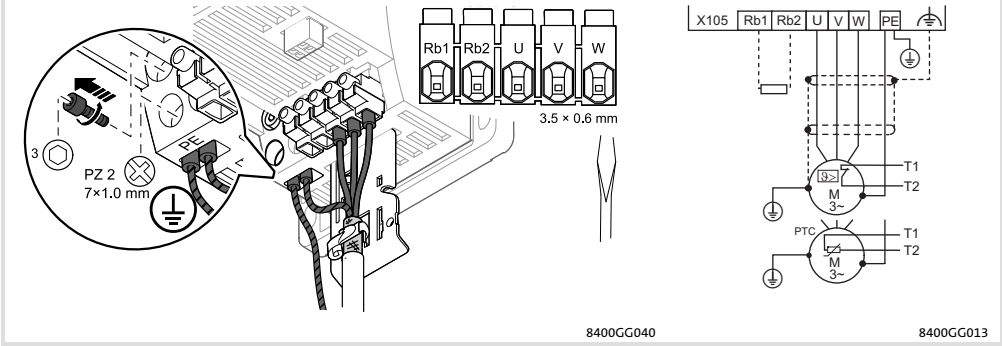


	U, V, W					PE				T1, T2			
	b	c	e			a	d			f	g	h	
	[mm]			[mm ²] [AWG]	[Nm] [lb-in]	[mm]		[mm ²] [AWG]	[Nm] [lb-in]	[mm]			[mm ²] [AWG]
E84AVxxC2512 E84AVxxC3712	25	65	7	1 ... 2.5 18 ... 12	0.5 4.4	90	9	1 ... 6 18 ... 10	1.7 15	95	25	10	0.2 ... 1.5 24 ... 16
E84AVxxC3714 E84AVxxC551x E84AVxxC751x	30	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

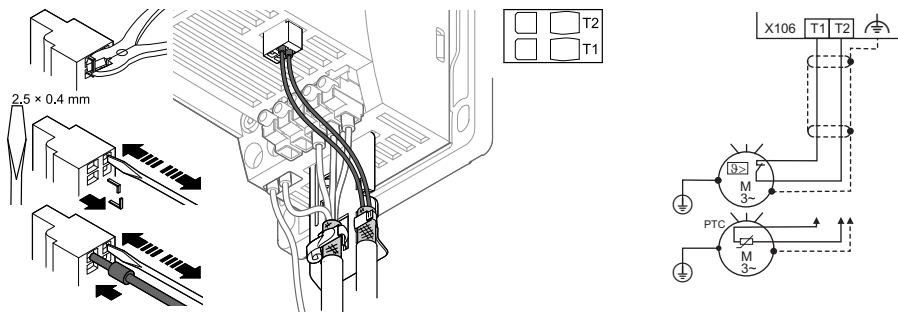
X105 - TN, TT



X105 - IT



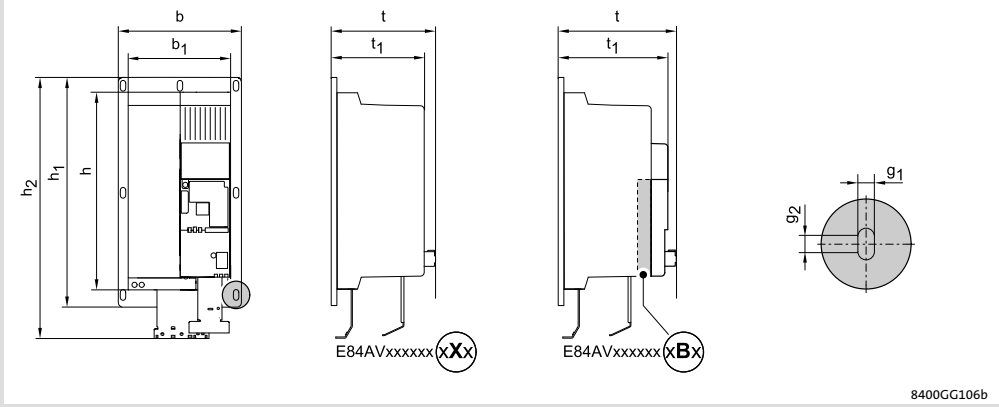
X106



8400GG041

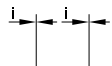
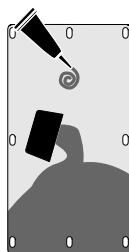
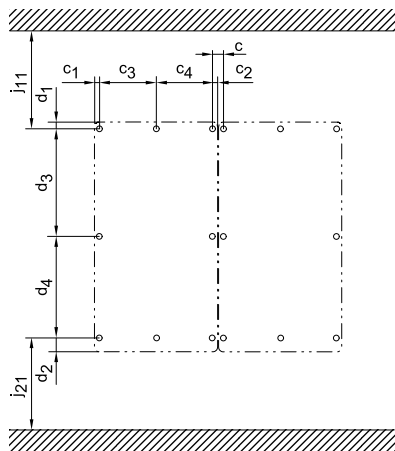
8400GG017

StateLine, HighLine



	[kW]	h	b	t	h ₁	h ₂	b ₁	t ₁	g ₁	g ₂
		[mm]								
E84AVxxC3024xX0	3	270	174	141	318	366	140	128	6	5
E84AVxxC4024xXx	4									
E84AVxxC5524xXx	5.5									
E84AVxxC3024xB0	3	270	174	161	318	366	140	148	6	5
E84AVxxC4024xBx	4									
E84AVxxC5524xBx	5.5									

StateLine, HighLine

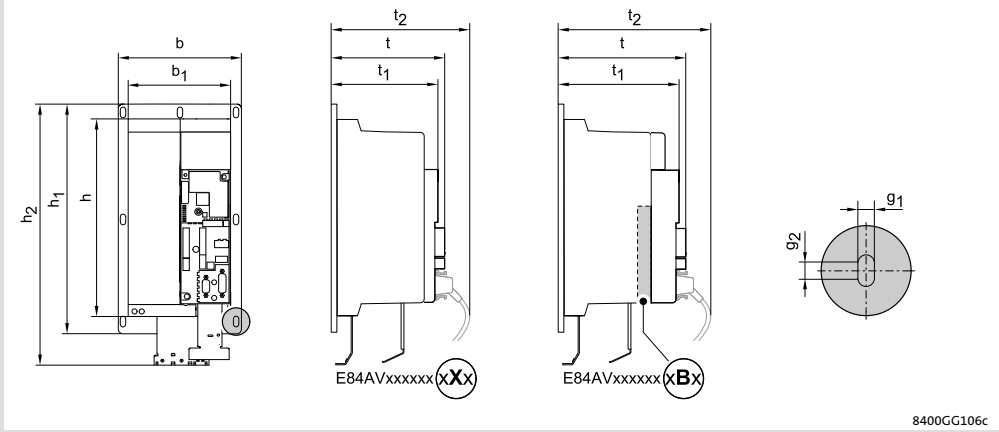


8×  M5
 >10 mm $\hookrightarrow$ 3.4 Nm
 (30 lb-in)

8400GG106a

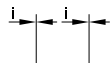
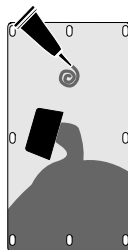
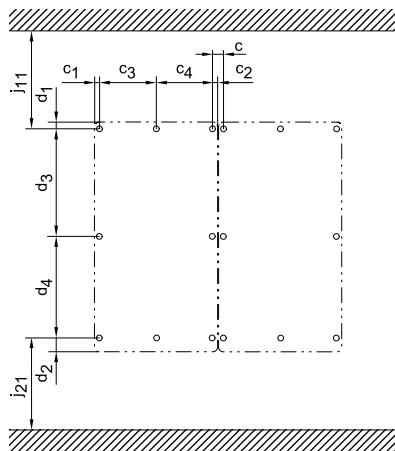
		d ₁	d ₂	d ₃	d ₄	c	c ₁	c ₂	c ₃	c ₄	i	j ₁₁	j ₂₁	
	[kW]	[mm]												[kg]
E84AVxxC3024xX0	3													
E84AVxxC4024xXx	4	9	9	150	150	15	7	7	80	80	0	> 95	> 95	2.7
E84AVxxC5524xXx	5.5													
E84AVxxC3024xB0	3													
E84AVxxC4024xBx	4	9	9	150	150	15	7	7	80	80	0	> 95	> 95	2.8
E84AVxxC5524xBx	5.5													

TopLine



		h	b	t	h ₁	h ₂	b ₁	t ₁	t ₂	g ₁	g ₂
		[mm]									
	[kW]										
E84AVTCC3024x XX	3	270	174	156	318	366	140	143	182	6	5
E84AVTCC4024x XX	4							163			
E84AVTCC5524x XX	5.5							202			
E84AVTCC3024x B	3	270	174	176	318	366	140	163	202	6	5
E84AVTCC4024x B	4							202			
E84AVTCC5524x B	5.5							202			

TopLine

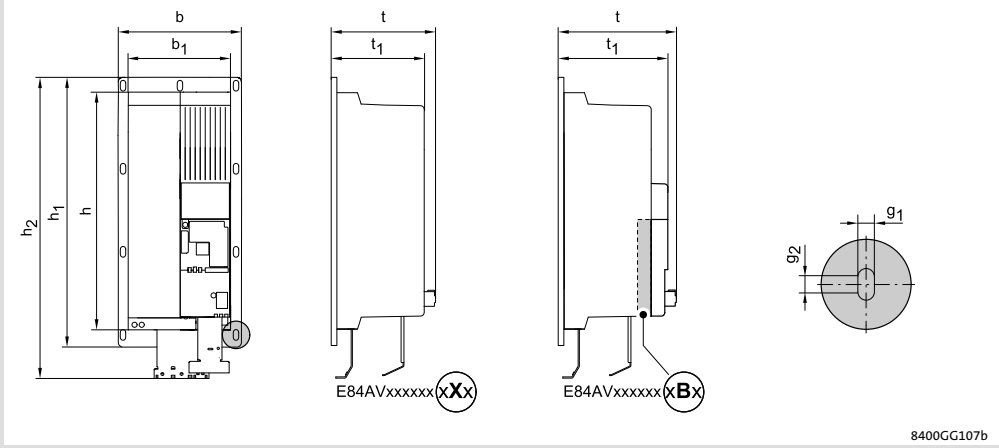


8×  M5
 3.4 Nm
 >10 mm (30 lb-in)

8400GG106a

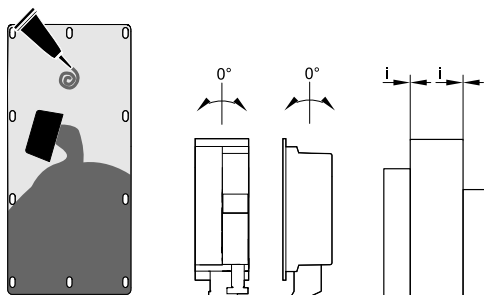
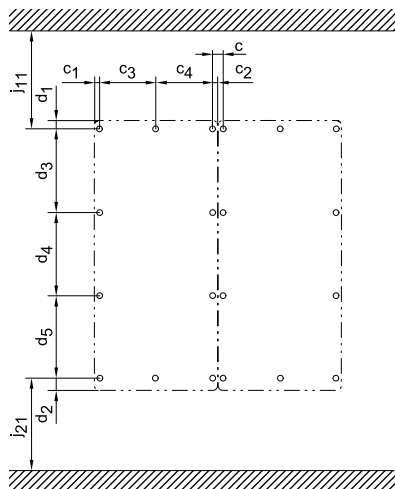
		d ₁	d ₂	d ₃	d ₄	c	c ₁	c ₂	c ₃	c ₄	i	j ₁₁	j ₂₁	
	[kW]	[mm]												[kg]
E84AVTCC3024xX0	3													
E84AVTCC4024xXx	4	9	9	150	150	15	7	7	80	80	0	> 95	> 95	2.9
E84AVTCC5524xXx	5.5													
E84AVTCC3024xB0	3													
E84AVTCC4024xBx	4	9	9	150	150	15	7	7	80	80	0	> 95	> 95	3.0
E84AVTCC5524xBx	5.5													

StateLine, HighLine



	[kW]	h	b	t	h ₁	h ₂	b ₁	t ₁	g ₁	g ₂
		[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	325	174	161	378	426	140	148	6	5
E84AVxxC1134xBx	11									
E84AVxxC1534xBx	15									
E84AVxxC1834xBx	18.5	350	231	184	407	458	205	171	6	7
E84AVxxC2234xBx	22									

StateLine, HighLine

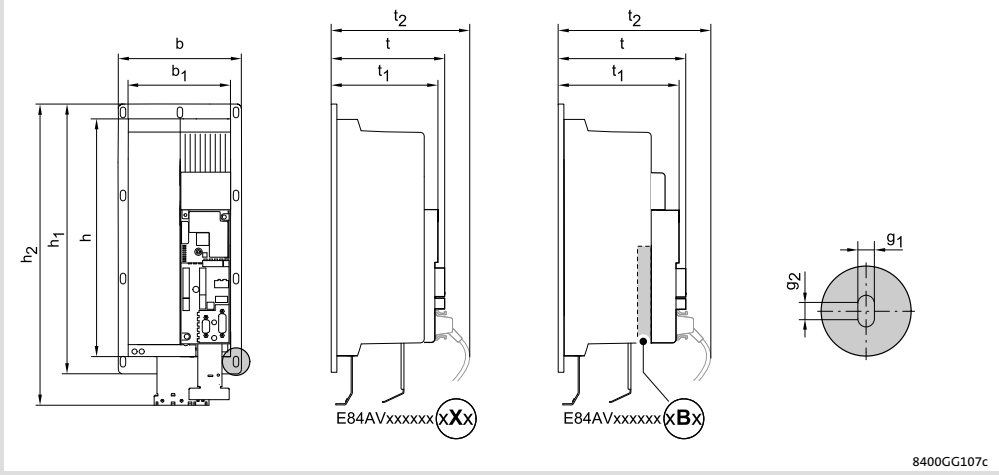


10×  M5 $\hookrightarrow$ 3,4 Nm
 $\hookrightarrow$ >10 mm (30 lb-in)

8400GG107a

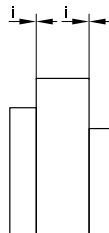
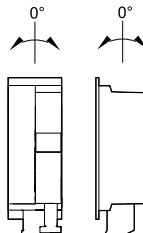
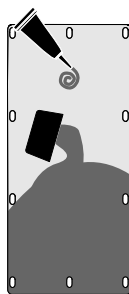
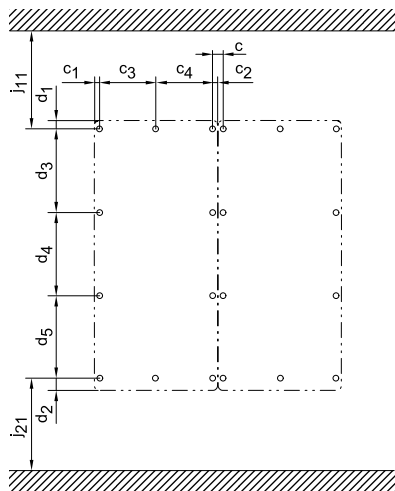
		d ₁	d ₂	d ₃	d ₄	d ₅	c	c ₁	c ₂	c ₃	c ₄	i	j ₁₁	j ₂₁	
	[kW]	[mm]												[kg]	
E84AVxxC7524xXx	7.5	9	9	120	120	120	15	7	7	80	80	0	> 95	> 95	3.6
E84AVxxC1134xXx	11														
E84AVxxC1534xXx	15														
E84AVxxC1834xXx	18.5	8.5	8.5	130	130	130	15	5.5	5.5	110	110	0	> 95	> 95	9.3
E84AVxxC2234xXx	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



		h	b	t	h ₁	h ₂	b ₁	t ₁	t ₂	g ₁	g ₂
[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	325	174	176	378	426	140	163	202	6	5
E84AVTCC1134xBx	11										
E84AVTCC1534xBx	15										
E84AVTCC1834xBx	18.5	350	231	199	407	458	205	186	225	6	7
E84AVTCC2234xBx	22										

TopLine

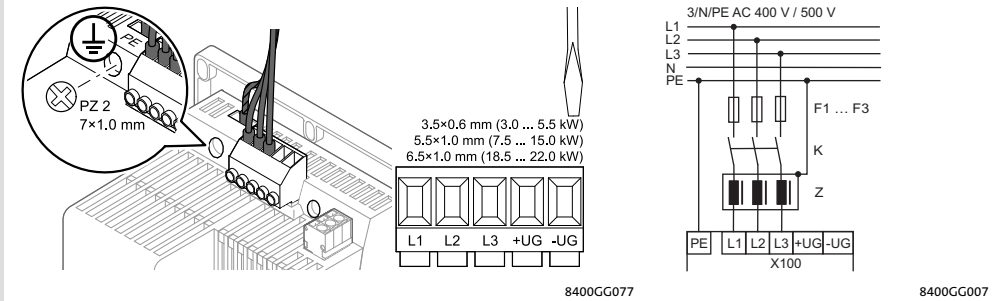


10×  M5 $\leq 3,4 \text{ Nm}$
 $>10 \text{ mm}$ (30 lb-in)

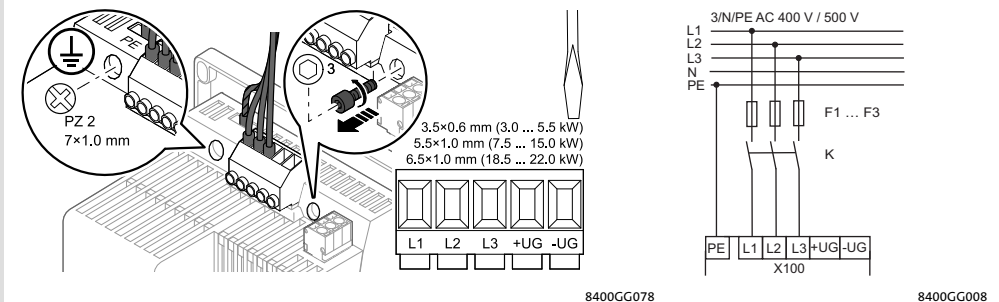
8400GG107a

		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]	
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														

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]
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	1 ... 16 18 ... 6	14	1.2 10.6	2.5 ... 16 12 ... 6	14	3.4 30
E84AVxxC1134	32	C32	32	C32	30	40						
E84AVxxC1534	32	C32	-	-	40	-						
E84AVxxC1834	50	C50	80	C80	40	60	1.5 ... 25 16 ... 2	14	3.5 31	2.5 ... 25 12 ... 2	16	4.0 35
E84AVxxC2234	63	C63	-	-	50	-						

X101

3.5 × 0.6 mm

COM

NC

NO

X101

COM

NC

NO

8400GG079

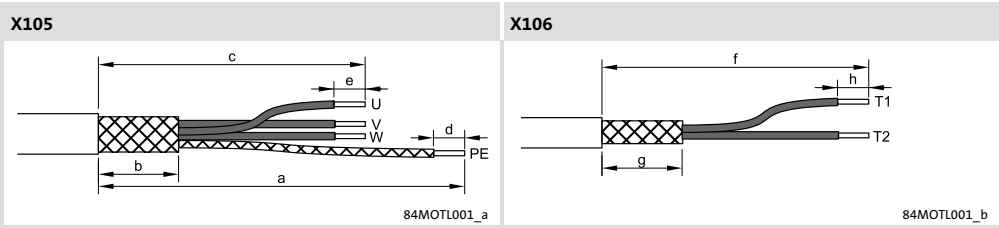
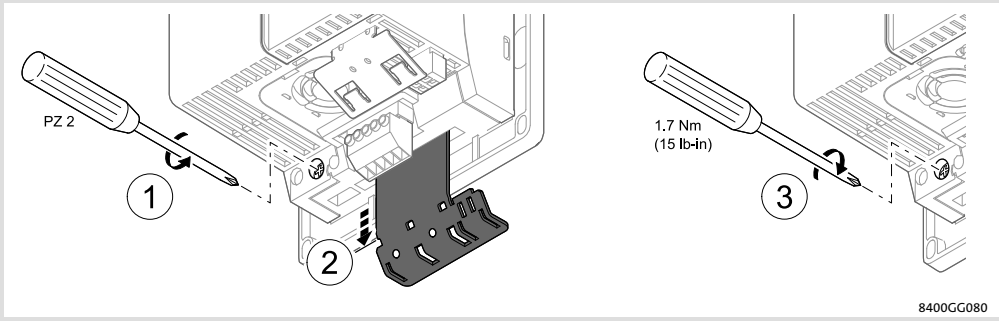
8400GG010

	COM, NC, NO	
		
	[mm ²] [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

36

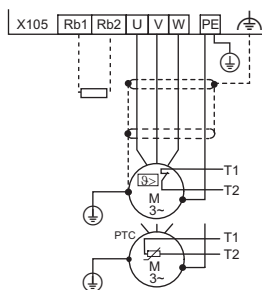
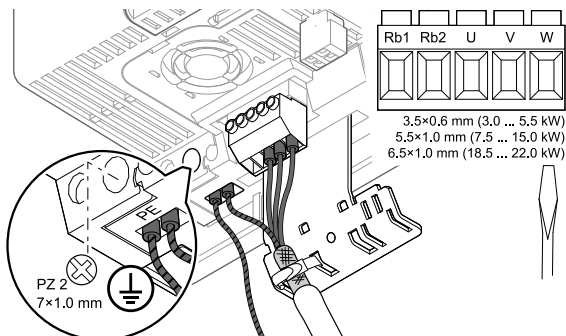
Lenze

EDK84VxCC153xxB DE/EN/FR/ES/IT 5.2



	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]
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

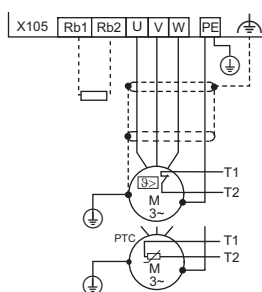
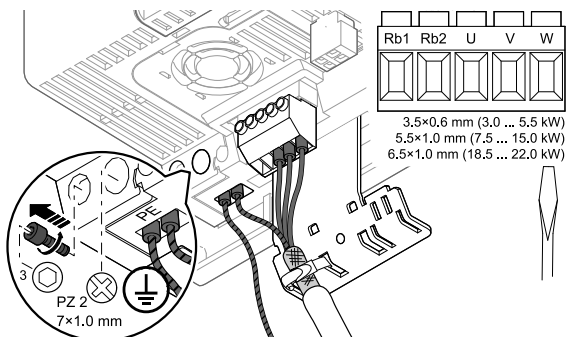
X105 - TN, TT



8400GG081

8400GG013

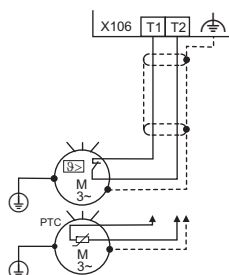
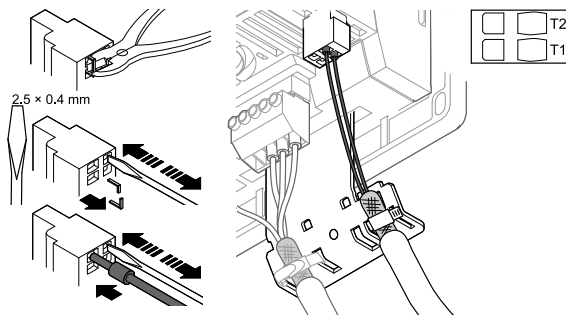
X105 - IT



8400GG082

8400GG013

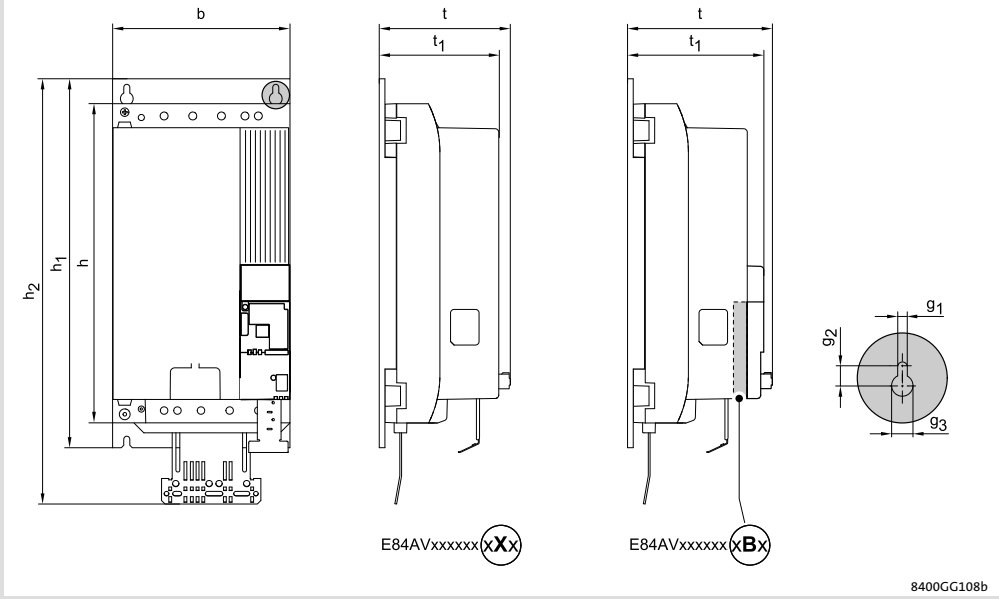
X106



8400GG083

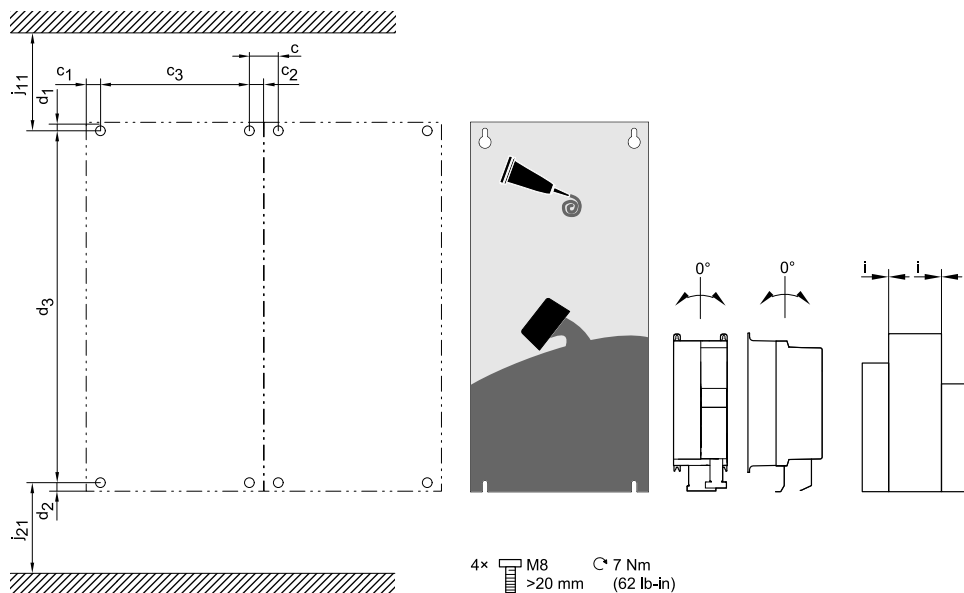
8400GG017

StateLine, HighLine



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

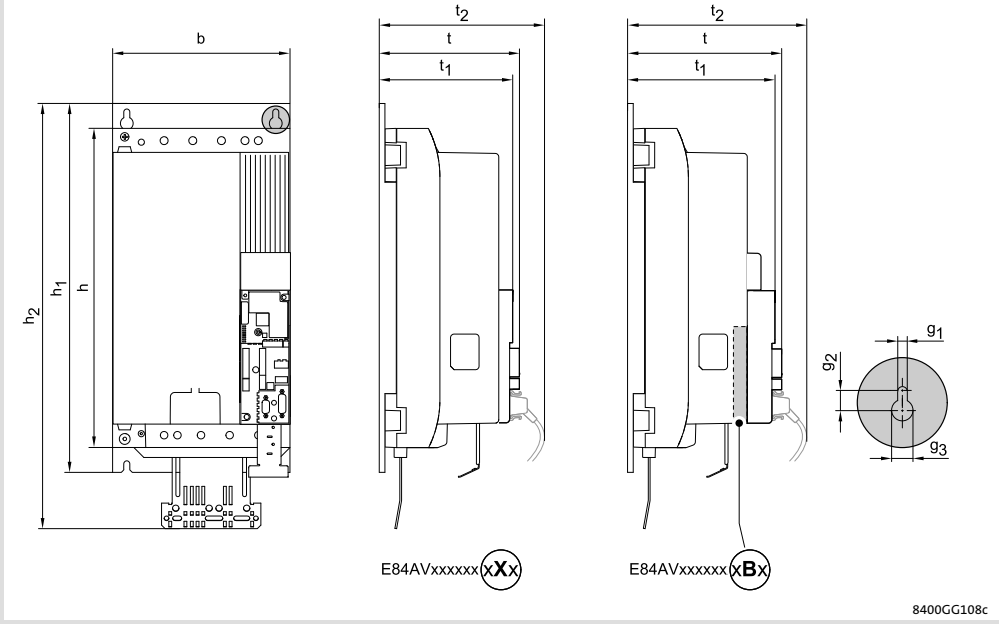
StateLine, HighLine



8400GG108a

		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											

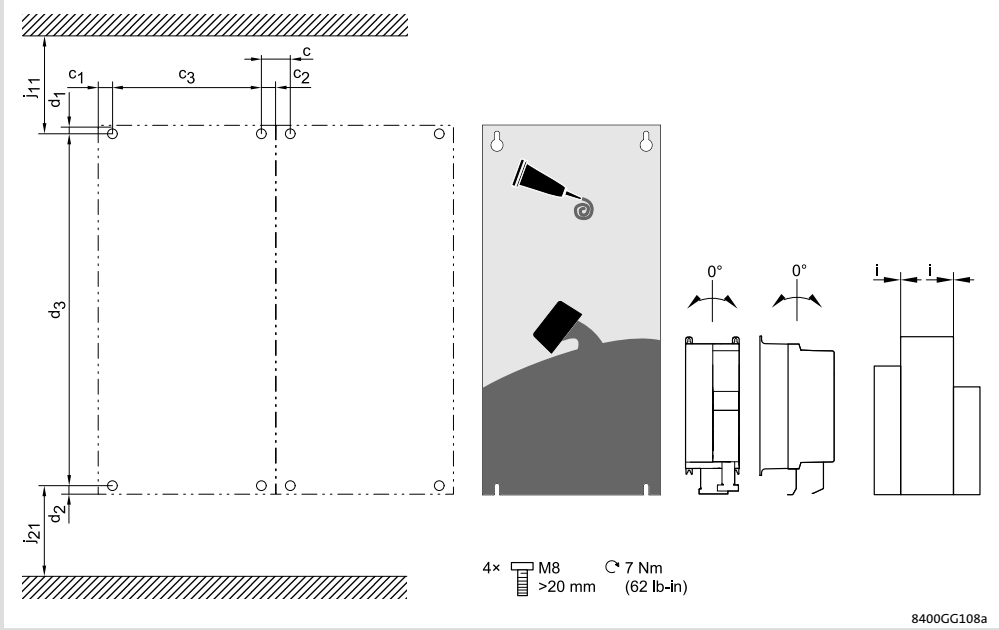
TopLine



8400GG108c

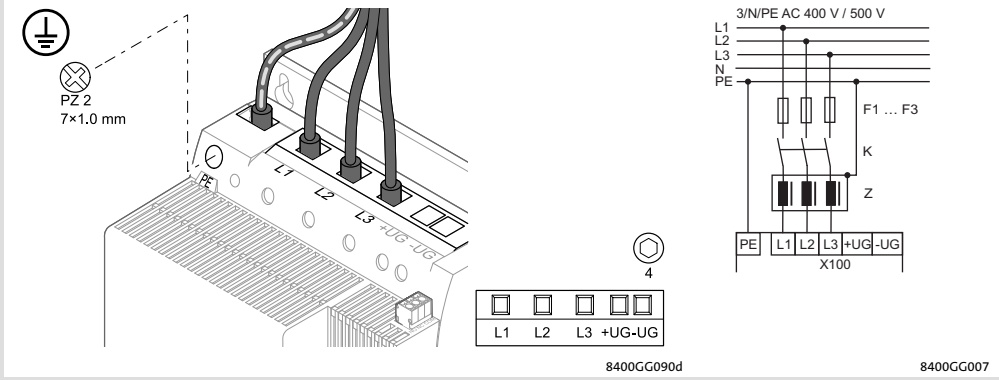
		h	b	t	h ₁	h ₂	t ₁	t ₂	g ₁	g ₂	g ₃
[kW]		[mm]									
E84AVTCC3034xXx	30	450	250	199	520	636	186	225	8.5	16	18
E84AVTCC3734xXx	37										
E84AVTCC4534xXx	45										
E84AVTCC3034xBx	30	450	250	219	520	636	206	245	8.5	16	18
E84AVTCC3734xBx	37										
E84AVTCC4534xBx	45										

TopLine

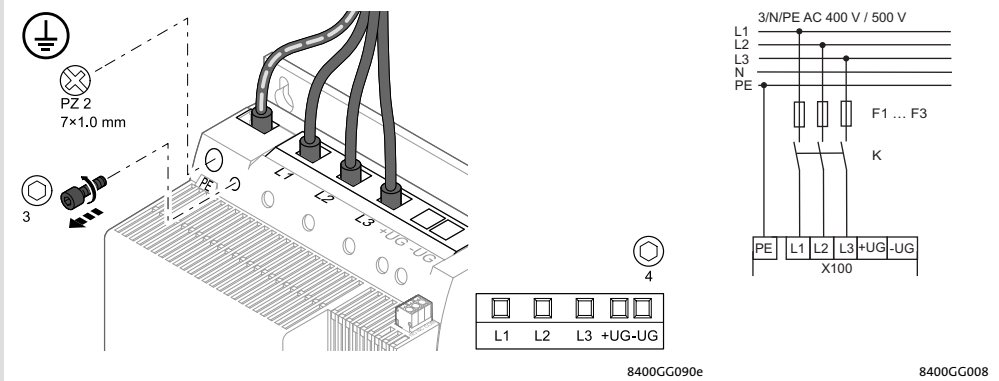


		d ₁	d ₂	d ₃	c	c ₁	c ₂	c ₃	i	j ₁₁	j ₂₁	
	[kW]	[mm]										[kg]
E84AVTCC3034xXx	30	8	12	500	40	20	20	210	0	> 95	> 120	16.9
E84AVTCC3734xXx	37											
E84AVTCC4534xXx	45											
E84AVTCC3034xBx	30	8	12	500	40	20	20	210	0	> 95	> 120	17.0
E84AVTCC3734xBx	37											
E84AVTCC4534xBx	45											

X100 - TN, TT

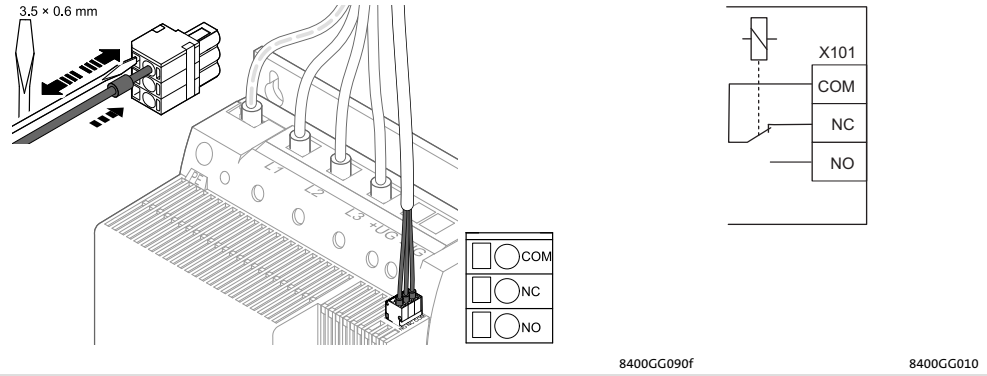


X100 - IT



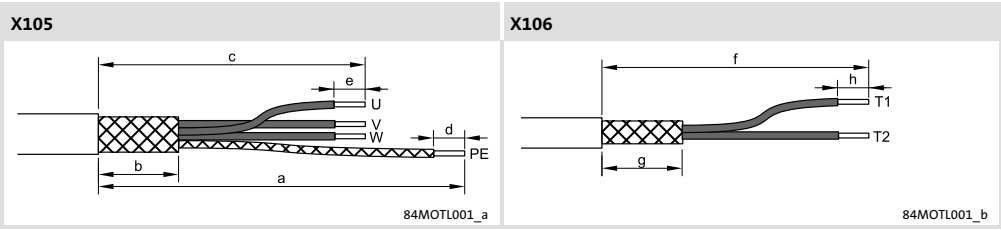
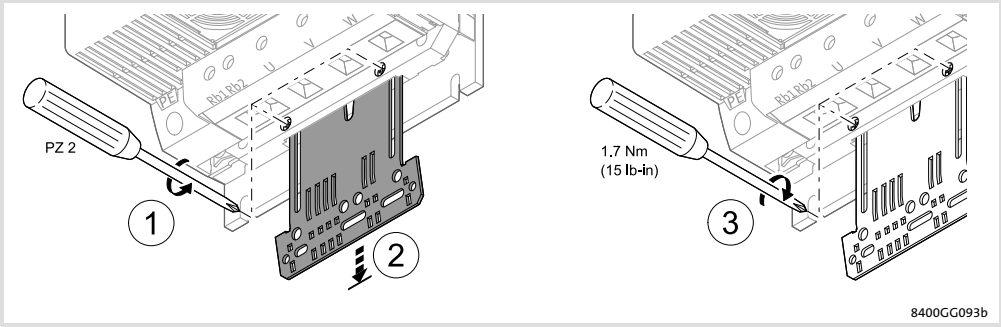
	F						L1, L2, L3			PE		
	EN 60204				UL							
	[A]		[A]		[A]	[A]	[mm²] [AWG]	[mm]	[Nm] [lb-in]	[mm²] [AWG]	[mm]	[Nm] [lb-in]
E84AVxxC3034	80	C80	-	-	-	-	16 ... 50 6 ... 0	24	4.0 35	2.5 ... 25 12 ... 2	16	4.0 35
E84AVxxC3734	100	C100	-	-	-	-						
E84AVxxC4534	125	C125	-	-	-	-						

X101



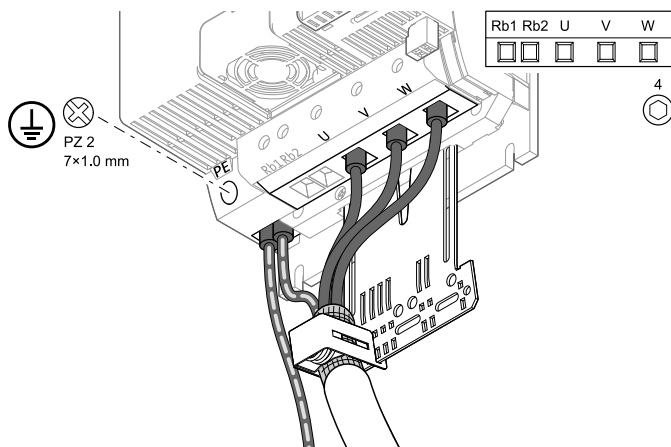
COM, NC, NO

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

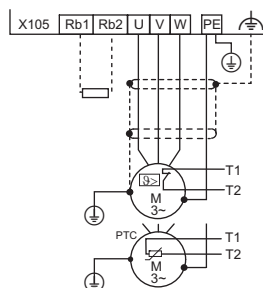


	U, V, W					PE				T1, T2			
	b	c	e			a	d			f	g	h	
	[mm]			[mm ²] [AWG]	[Nm] [lb-in]	[mm]		[mm ²] [AWG]	[Nm] [lb-in]	[mm]			[mm ²] [AWG]
E84AVxxC3034	40	190	24	16 ... 50	4.0	250	16	2.5 ... 25	4.0	240	40	10	0.2 ... 1.5
E84AVxxC3734				6 ... 0	35			12 ... 2	35				24 ... 16
E84AVxxC4534													

X105 - TN, TT

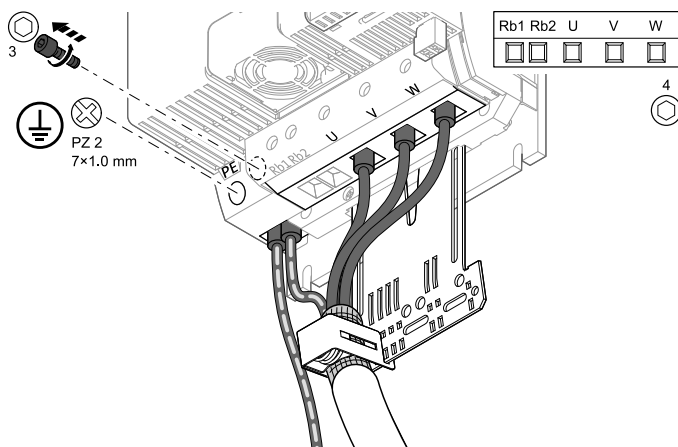


8400GG094d

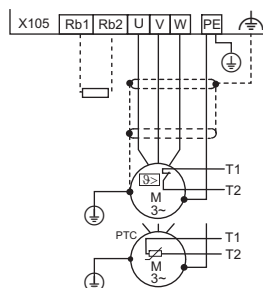


8400GG013

X105 - IT

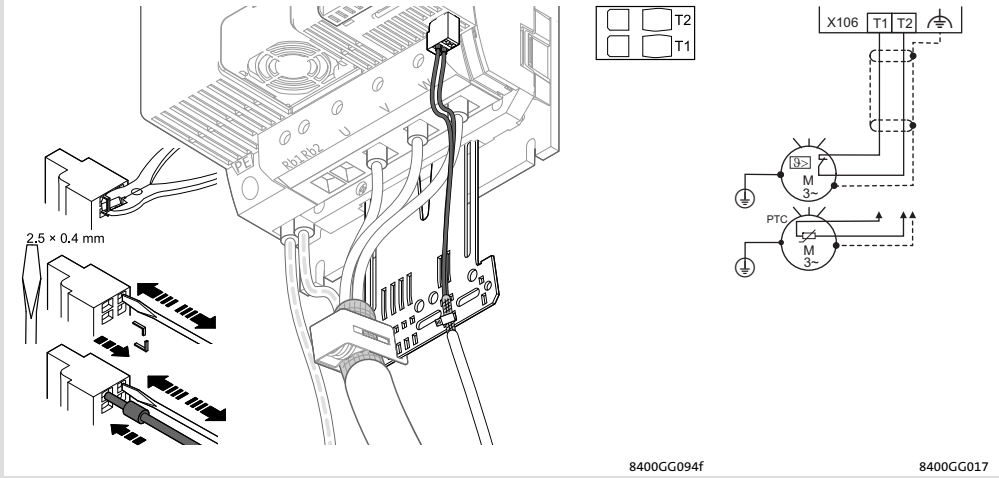


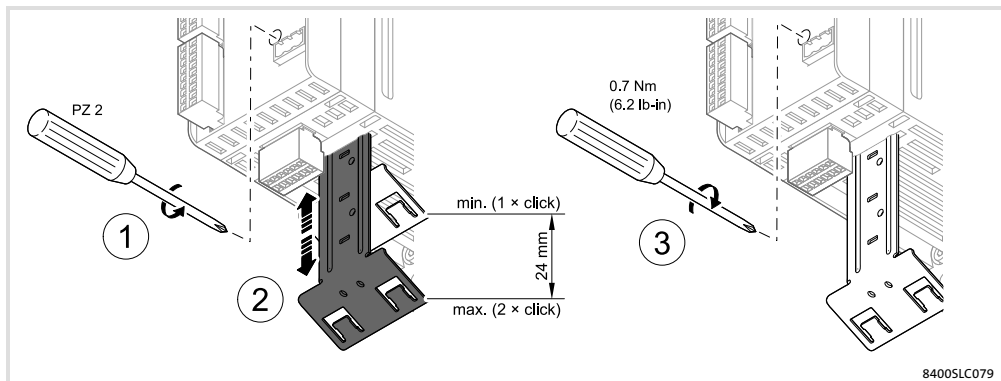
8400GG094e



8400GG013

X106

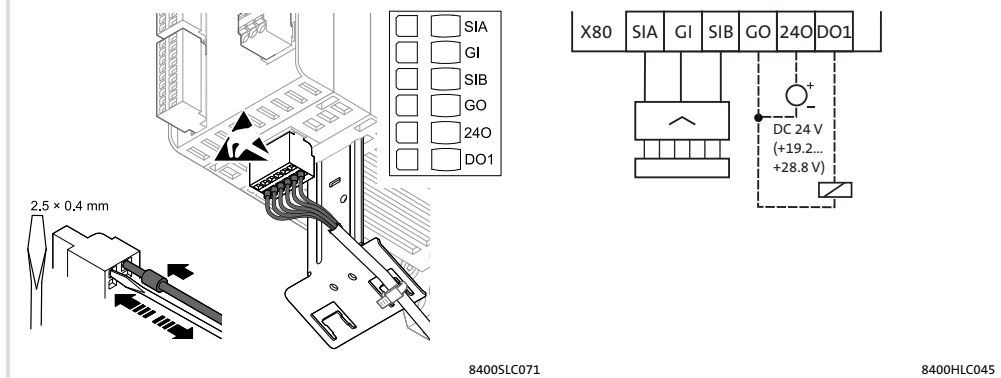


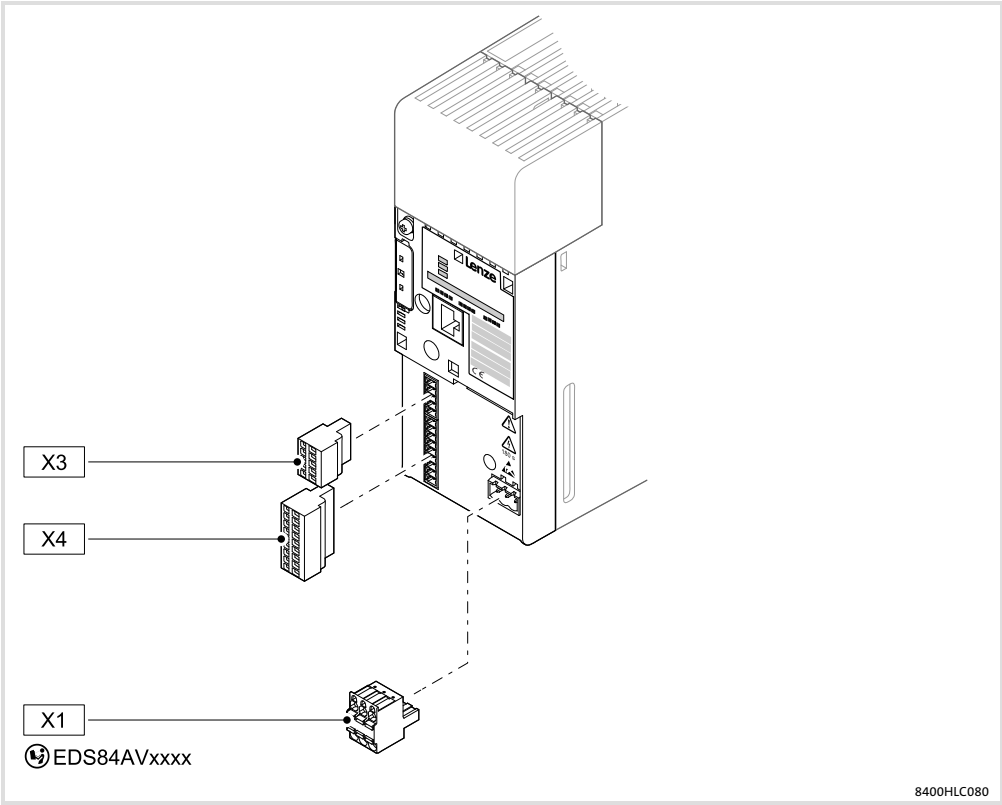


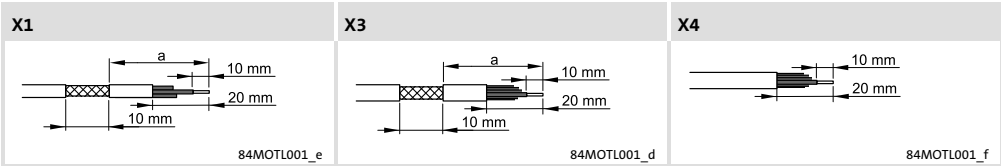
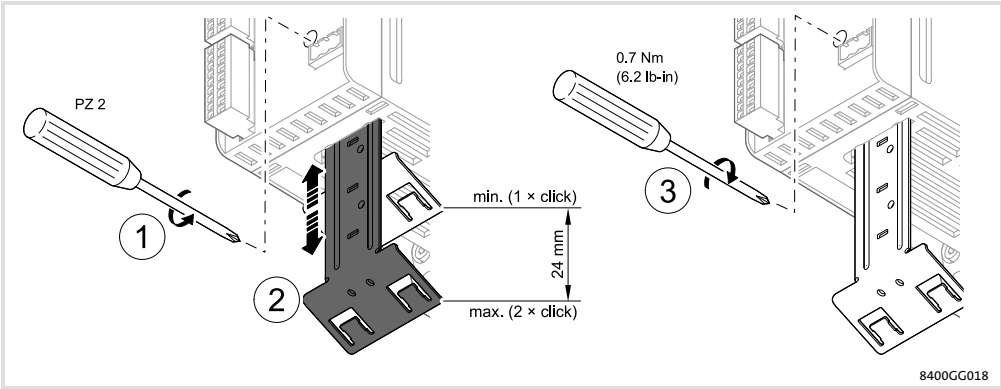
	
[mm]	[mm ²] [AWG]
10	0.2 ... 1.5
20	24 ... 16

84MOTL001_g

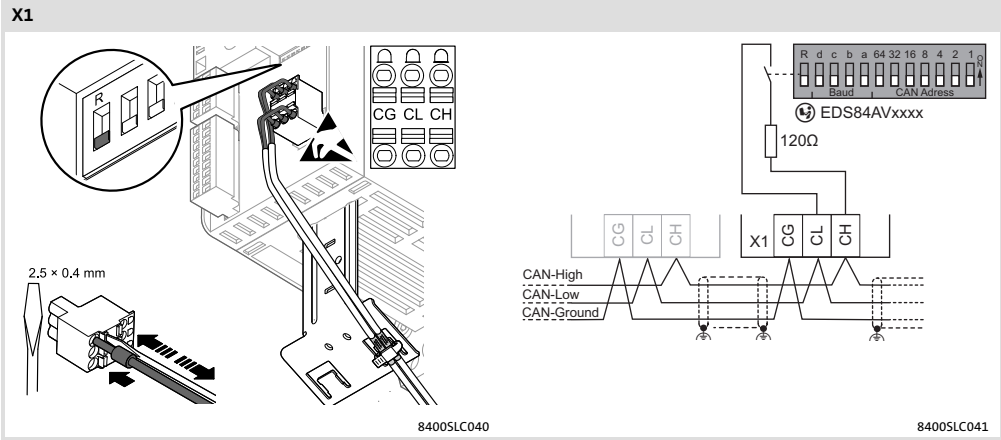
X80



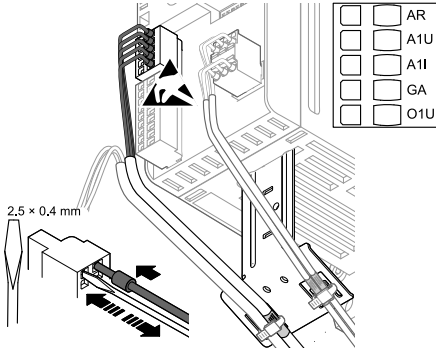




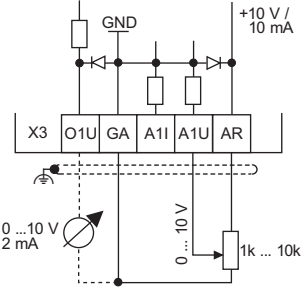
X1			X3			X4
min.	max.		min.	max.		
a [mm]	a [mm]	[mm ²] [AWG]	a [mm]	a [mm]	[mm ²] [AWG]	[mm ²] [AWG]
110	135	0.2 ... 1.5 24 ... 16	150	175	0.2 ... 1.5 24 ... 16	0.2 ... 1.5 24 ... 16



X3



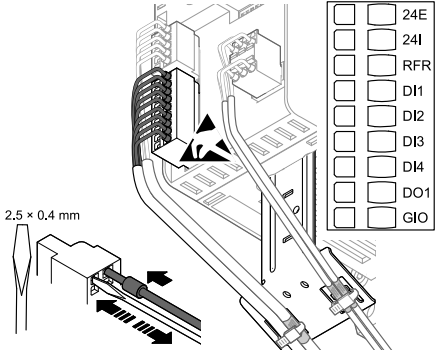
	AR
	A1U
	A1I
	GA
	O1U



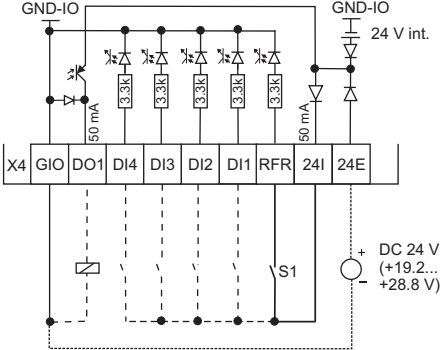
8400SLC042

8400SLC043

X4

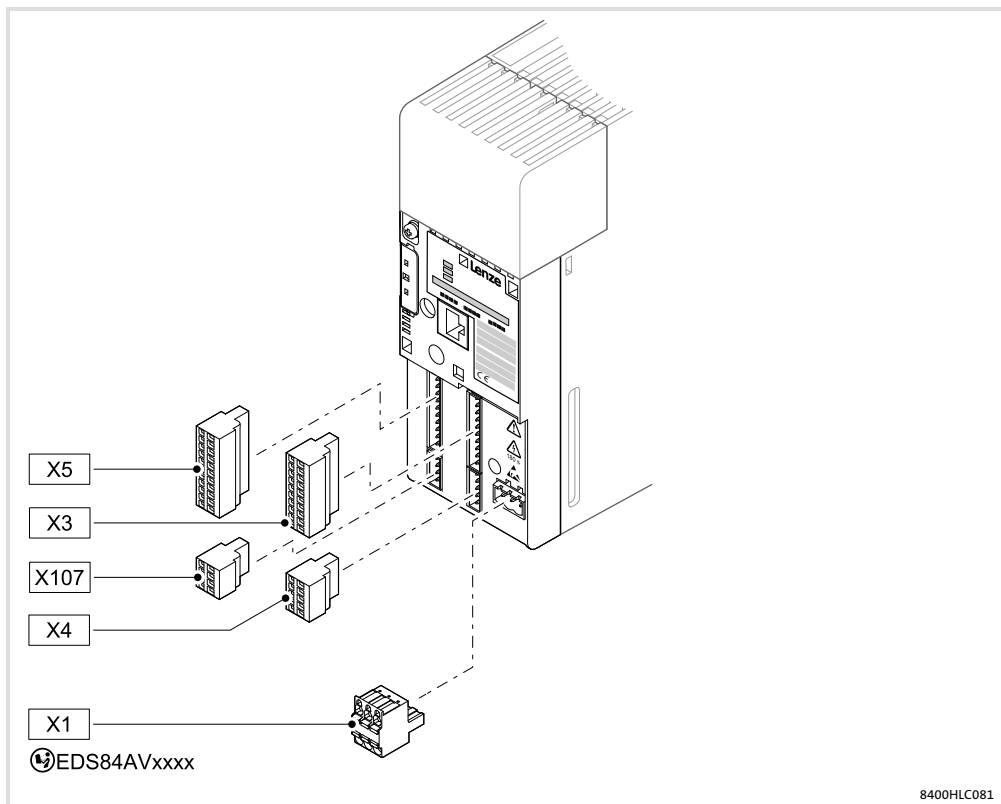


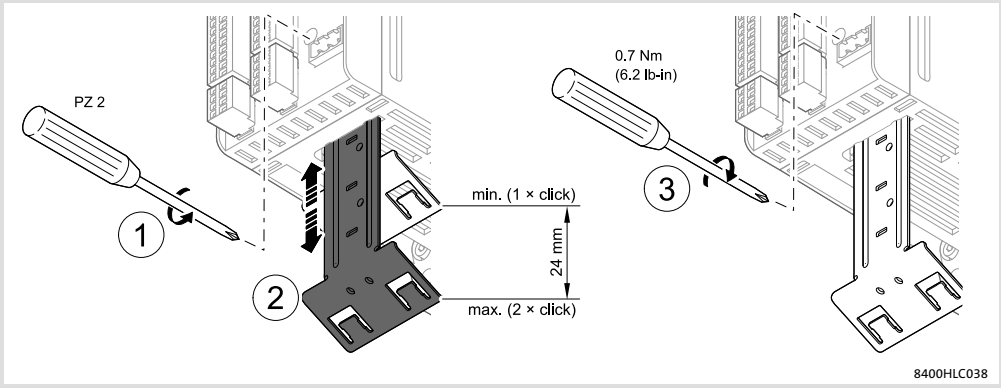
	24E
	24I
	RFR
	DI1
	DI2
	DI3
	DI4
	DO1
	GIO



8400SLC044

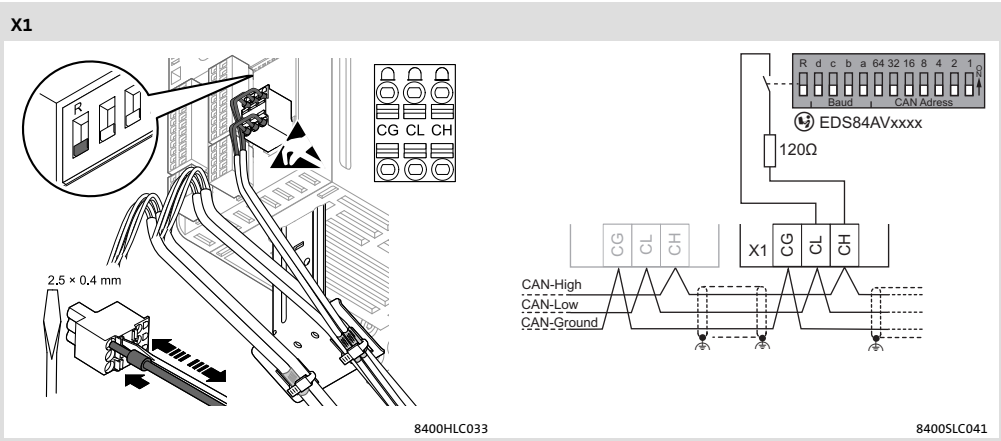
8400SLC045



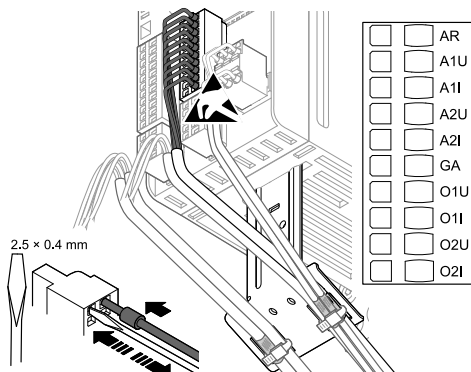


X1	X3, X107	X4, X5
84MOTL001_e	84MOTL001_d	84MOTL001_f

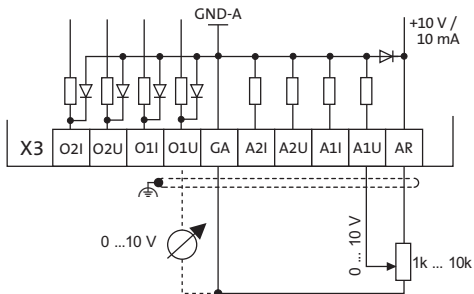
X1			X3			X4, X5		X107		
min.	max.		min.	max.				min.	max.	
a [mm]	a [mm]	[mm ²] [AWG]	a [mm]	a [mm]	[mm ²] [AWG]	[mm ²] [AWG]	[mm ²] [AWG]	a [mm]	a [mm]	[mm ²] [AWG]
110	135	0.2 ... 1.5 24 ... 16	150	175	0.2 ... 1.5 24 ... 16	0.2 ... 1.5 24 ... 16	0.2 ... 1.5 24 ... 16	115	140	0.2 ... 1.5 24 ... 16



X3

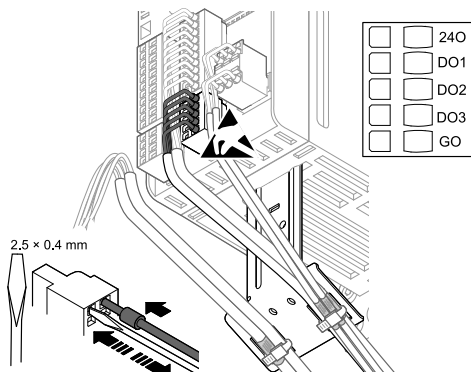


8400HLC034

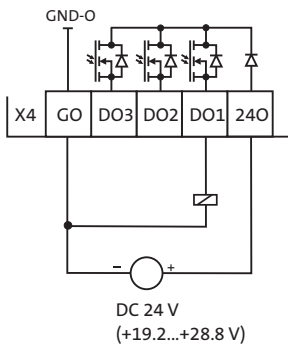


8400HLC012

X4

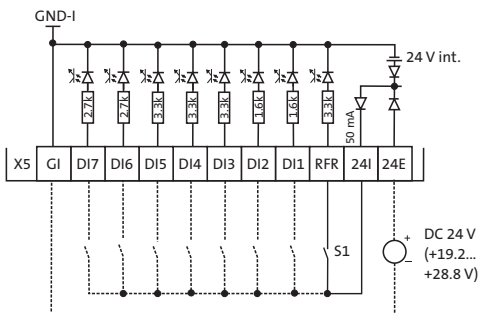
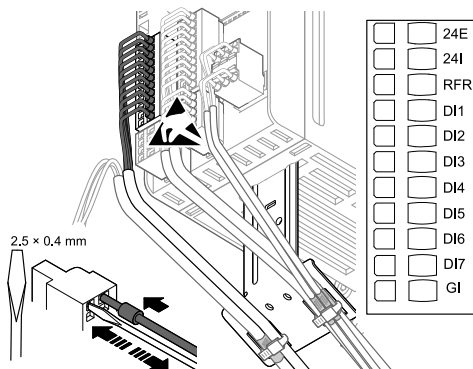


8400HLC035



8400HLC045

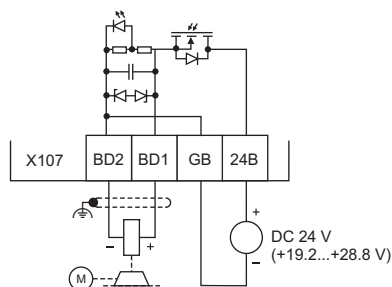
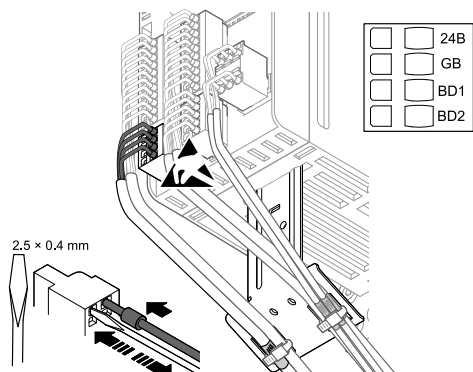
X5



8400HLC036

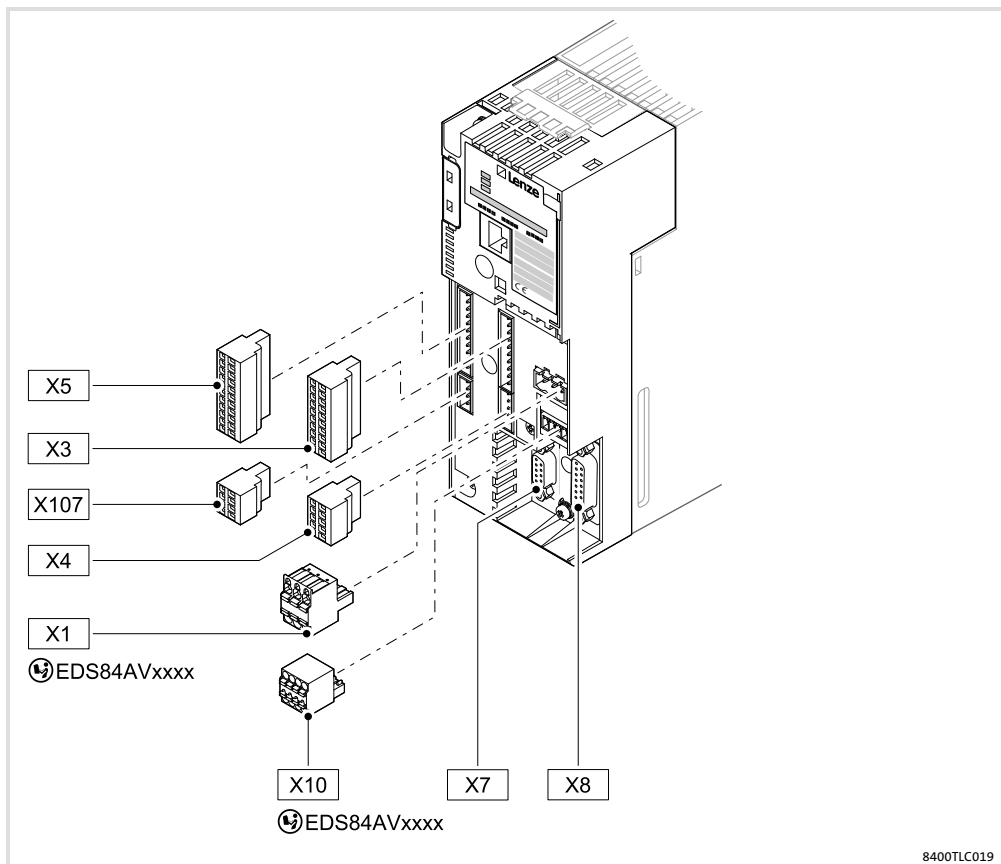
8400HLC045

X107

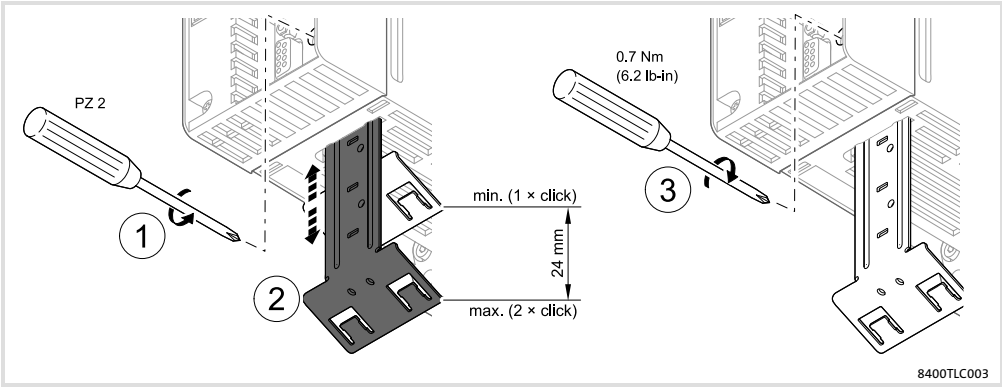


8400HLC037

8400HLC045



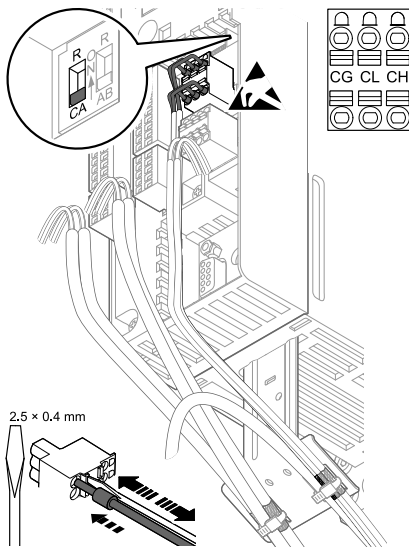
8400TLC019



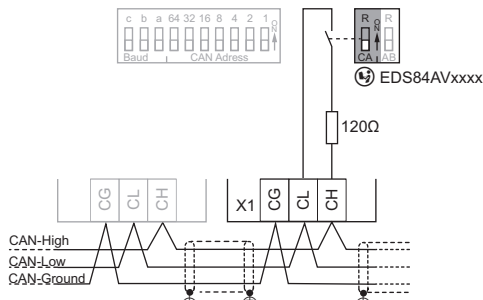
X1, X10	X3, X107	X4, X5
84MOTL001_e	84MOTL001_d	84MOTL001_f

X1			X3			X4, X5		X10			X107		
min.	max.		min.	max.				min.	max.		min.	max.	
a	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]	[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	0.2 ... 1.5 24 ... 16	155	180	0.2 ... 1.5 24 ... 16	160	185	0.2 ... 1.5 24 ... 16

X1

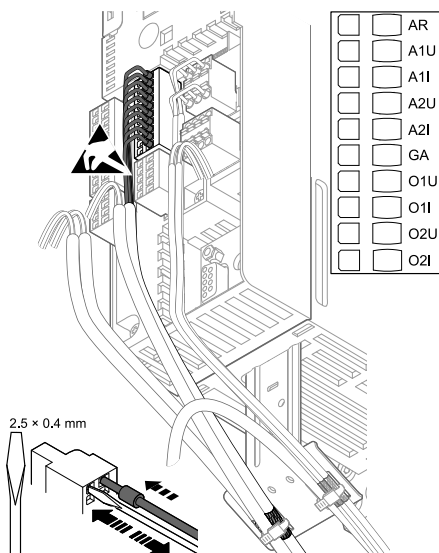


8400TLC002a

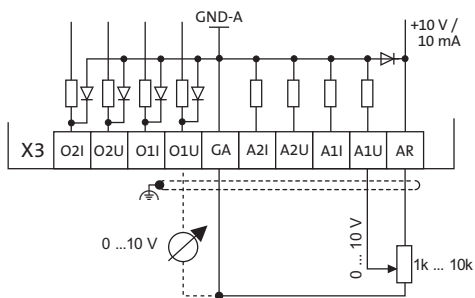


8400TLC008

X3

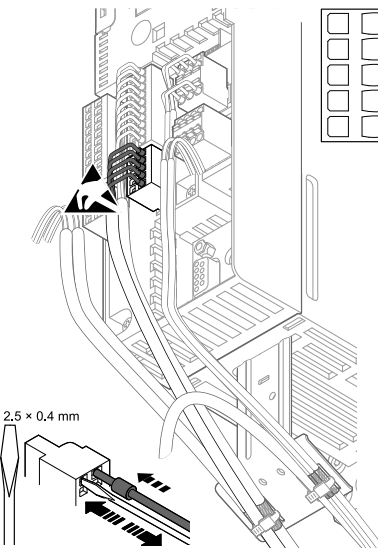


8400TLC002c

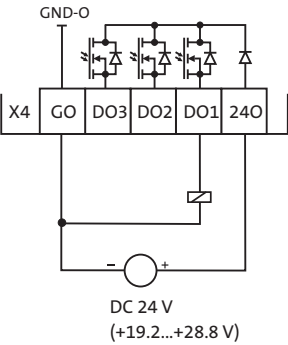


8400HLC012

X4



	24O
	DO1
	DO2
	DO3
	GO

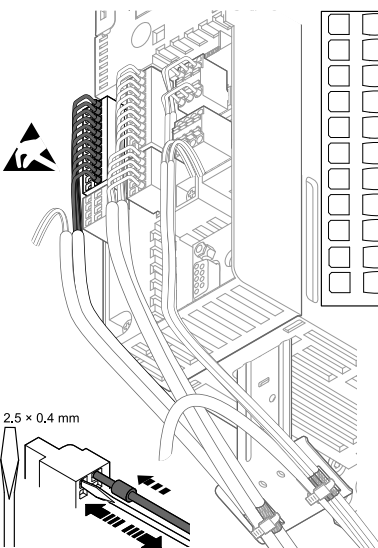


DC 24 V
(+19.2...+28.8 V)

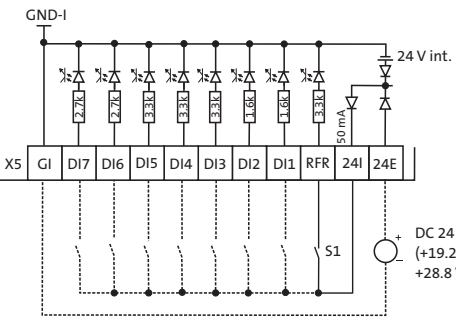
8400TLC002e

8400HLC045

X5



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

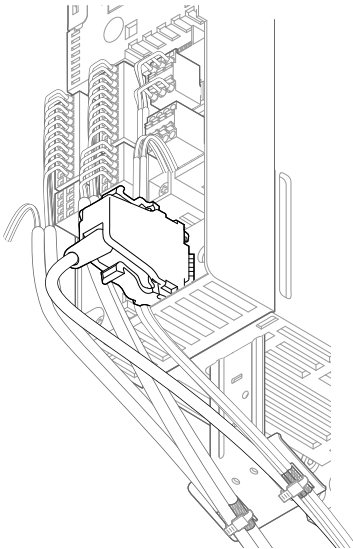


DC 24 V
(+19.2...+28.8 V)

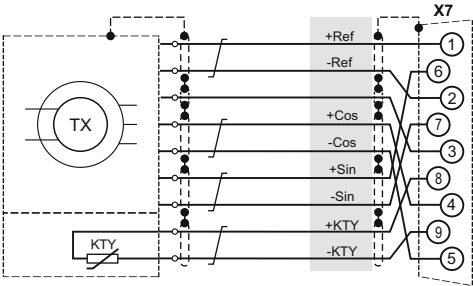
8400TLC002g

8400HLC045

X7

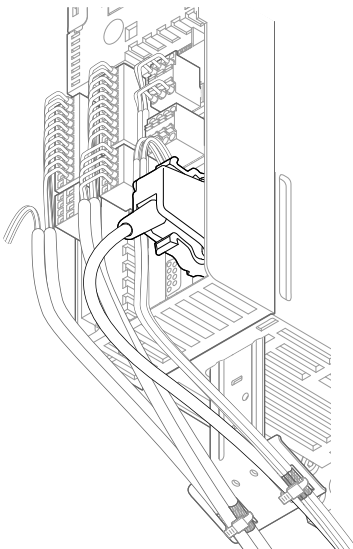


8400TLC002i

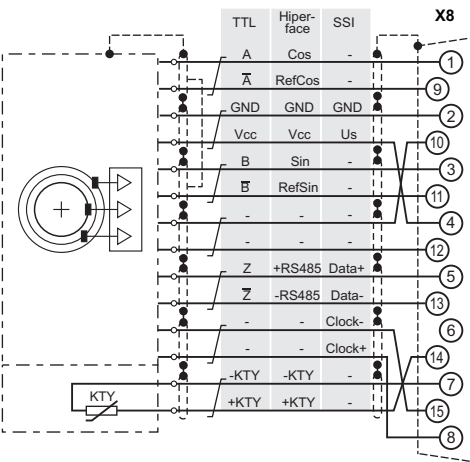


SSP94RESX7

X8

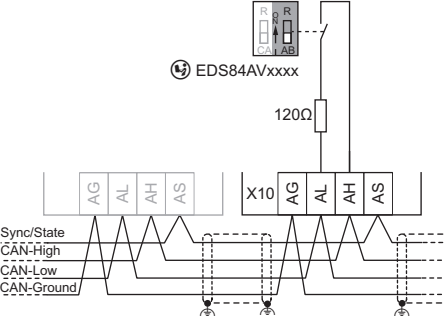
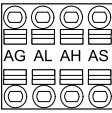
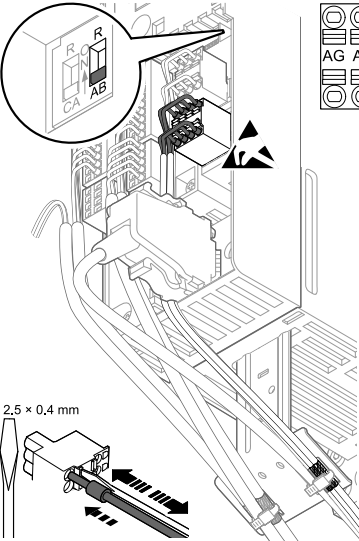


8400TLC002i



SSP94ENCX8

X10

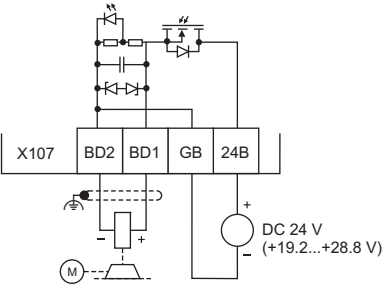
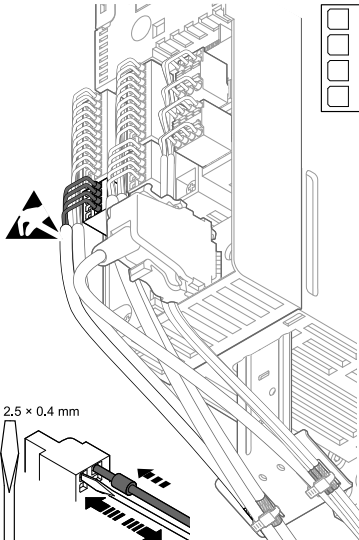


2.5 × 0.4 mm

8400TLC002n

8400TLC009

X107



2.5 × 0.4 mm

8400TLC002p

8400HLC045



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Lenze Drives GmbH
Postfach 10 13 52, D-31763 Hameln
Breslauer Straße 3, D-32699 Extertal
Germany



+49 5154 82-0



+49 5154 82-2800



lenze@lenze.com



www.lenze.com



Service Lenze Service GmbH
Breslauer Straße 3, D-32699 Extertal

Germany



008000 2446877 (24 h helpline)



+49 5154 82-1112



service@lenze.com

EDK84VxCC153xxB ■ 13418861 ■ DE/EN/FR/ES/IT ■ 5.2 ■ TD15

10 9 8 7 6 5 4 3 2 1

EDK84VxCD153xxB
13564880



L-force *Drives*

Montageanleitung

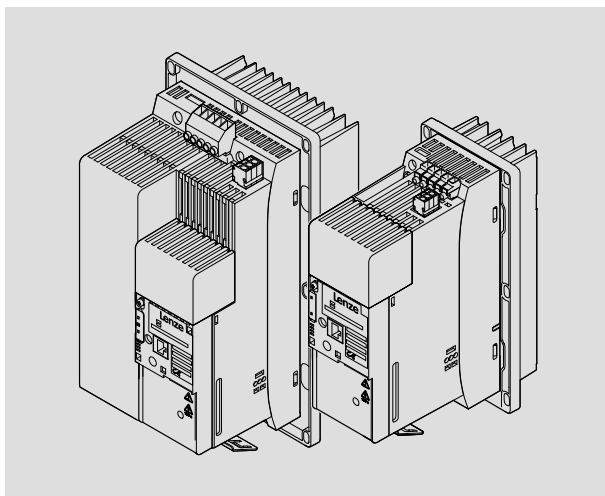
Mounting Instructions

Instructions de montage

Instrucciones para el montaje

Istruzioni per il montaggio

8400 *0.25 ... 15 kW*



E84AVxCDxxx Push Through

Frequenzumrichter

Frequency Inverter

Convertisseur de fréquence

Convertidor de frecuencia

Inverter di frequenza

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.



Avertissements !

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).



Gefahr!

Gefährliche elektrische Spannung

- ▶ Die Leistungsanschlüsse X100 und X105 führen bis zu 3 Minuten nach Netz-Ausschalten gefährliche elektrische Spannung.

Mögliche Folgen:

- ▶ Tod oder schwere Verletzungen beim Berühren der Leistungsanschlüsse.

Schutzmaßnahmen:

- ▶ Vor Arbeiten am Gerät Netzspannung ausschalten und mindestens 3 Minuten warten.
- ▶ Prüfen, ob alle Leistungsanschlüsse spannungsfrei sind.

Beachten Sie auch weitere wichtige Informationen zur Geräte- und Sicherheitstechnik auf der beiliegenden CD-ROM!



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!



Danger !

Tension électrique dangereuse

- Les raccordements de puissance X100 et X105 sont susceptibles de véhiculer une tension dangereuse jusqu'à 3 minutes après une coupure réseau.

Risques encourus :

- Mort ou blessures graves en cas de contact avec les raccordements de puissance

Mesures de protection :

- Avant toute manipulation de l'appareil, couper la tension réseau et attendre 3 minutes au minimum.
- S'assurer que tous les raccordements de puissance sont hors tension.

Veillez également tenir compte des consignes importantes sur la technologie des appareils et les fonctions de sécurité comprises sur le cd-rom joint !



¡Peligro!

Voltaje eléctrico peligroso

- Las conexiones de potencia X100 y X105 siguen vivas hasta 3 minutos después de la desconexión de red.

Posibles consecuencias:

- Muerte o serias lesiones al tocar las conexiones de potencia.

Medidas de protección:

- Antes de trabajar en el equipo, desconectar la alimentación de red y esperar por lo menos 3 minutos.
- Comprobar, si todas las conexiones de potencia están libres de voltaje.

Observe también la información importante sobre aspectos relativos a la técnica del dispositivo y de seguridad incluida en el CD-ROM adjunto!



Pericolo!

Tensione elettrica pericolosa

- I collegamenti di potenza X100 e X105 presentano una tensione elettrica pericolosa fino a 3 minuti dopo la disinserzione della rete.

Possibili conseguenze:

- Morte o gravi lesioni in caso di contatto con i collegamenti di potenza.

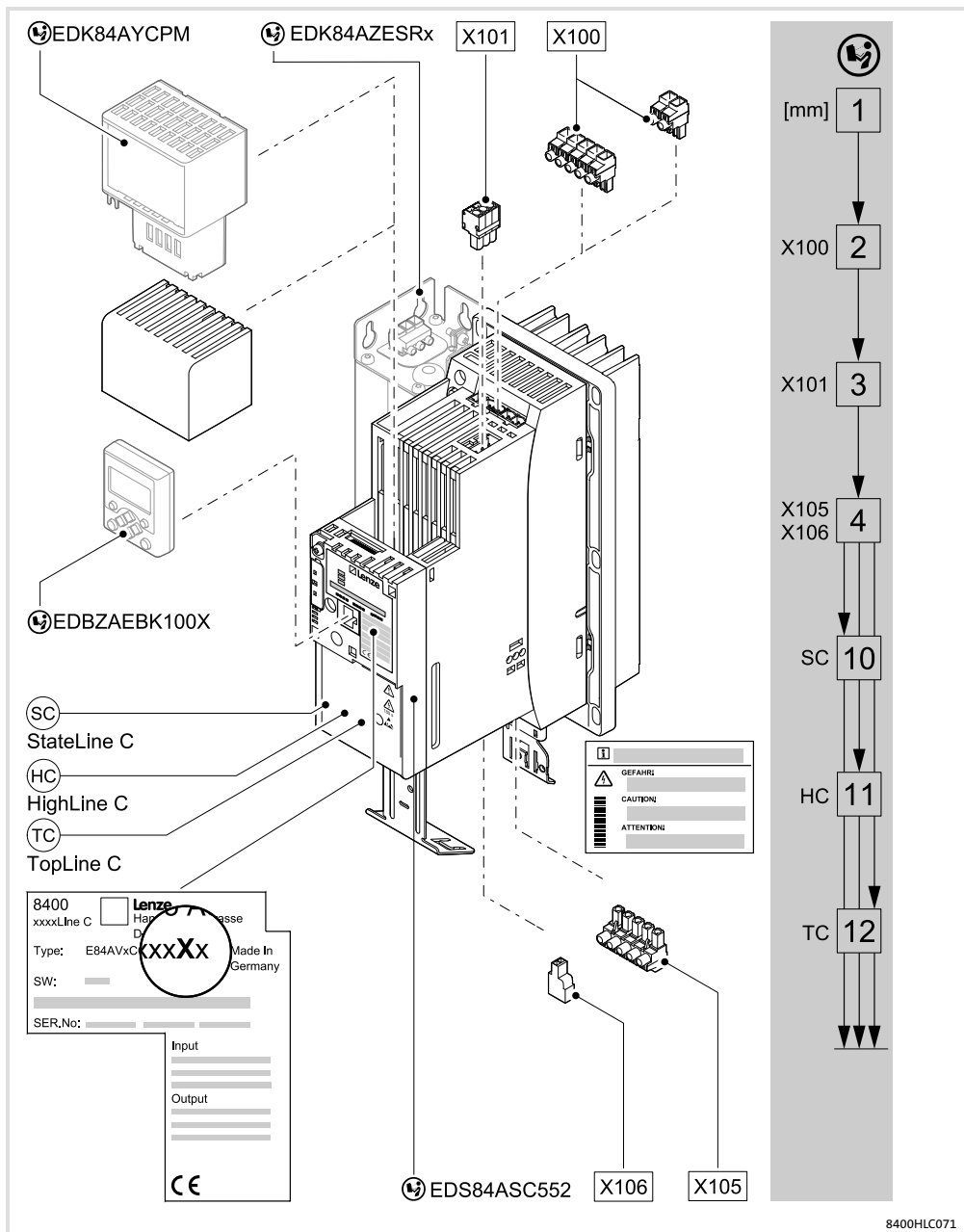
Misure di protezione:

- Attendere almeno 3 minuti prima di eseguire qualsiasi intervento sui collegamenti di potenza.
- Controllare tutti i collegamenti di potenza per accertare l'assenza di tensione.

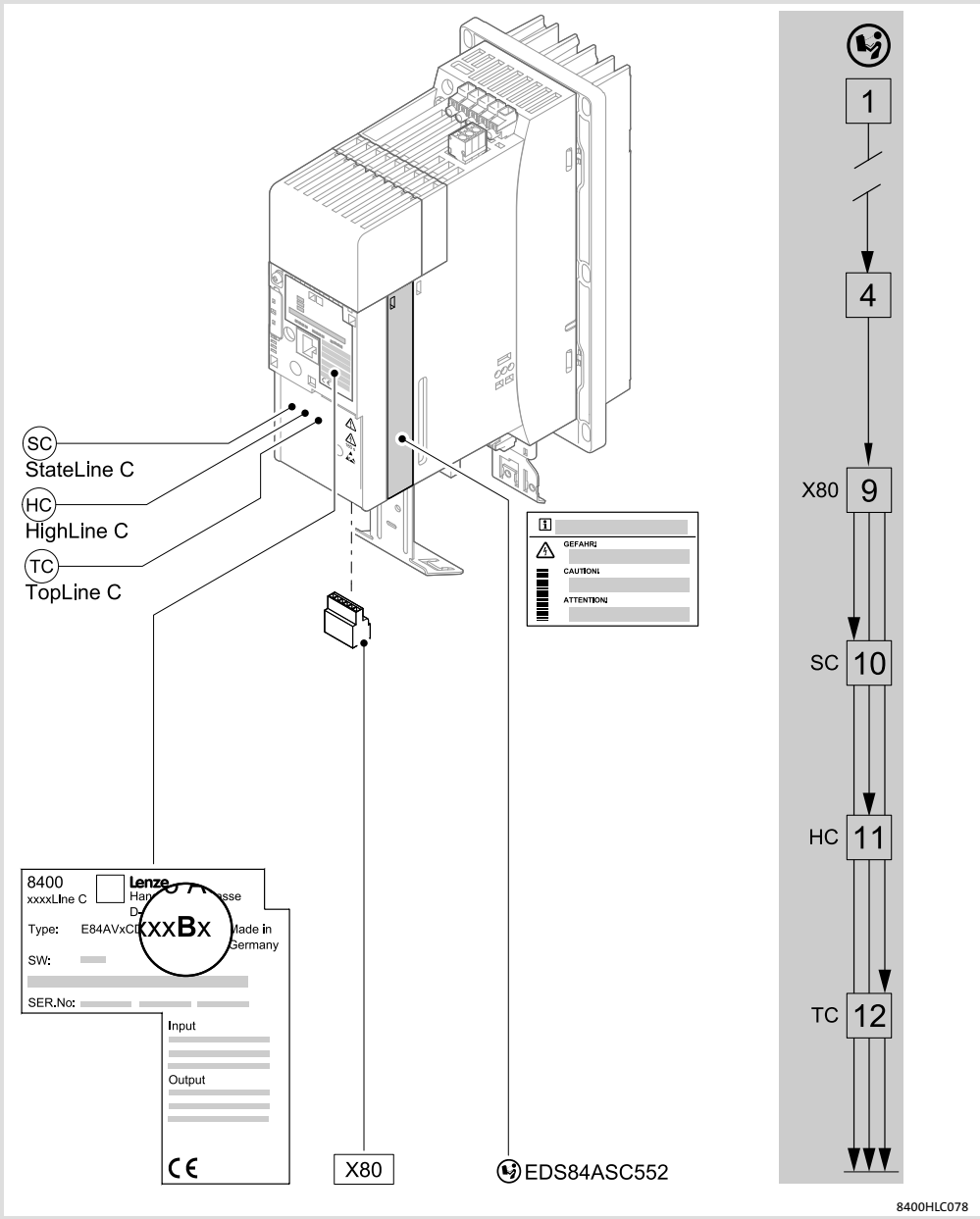
Osservare anche le ulteriori informazioni importanti relative a installazione e sicurezza incluse nel CD-ROM allegato!



0.25 ... 2.2 kW



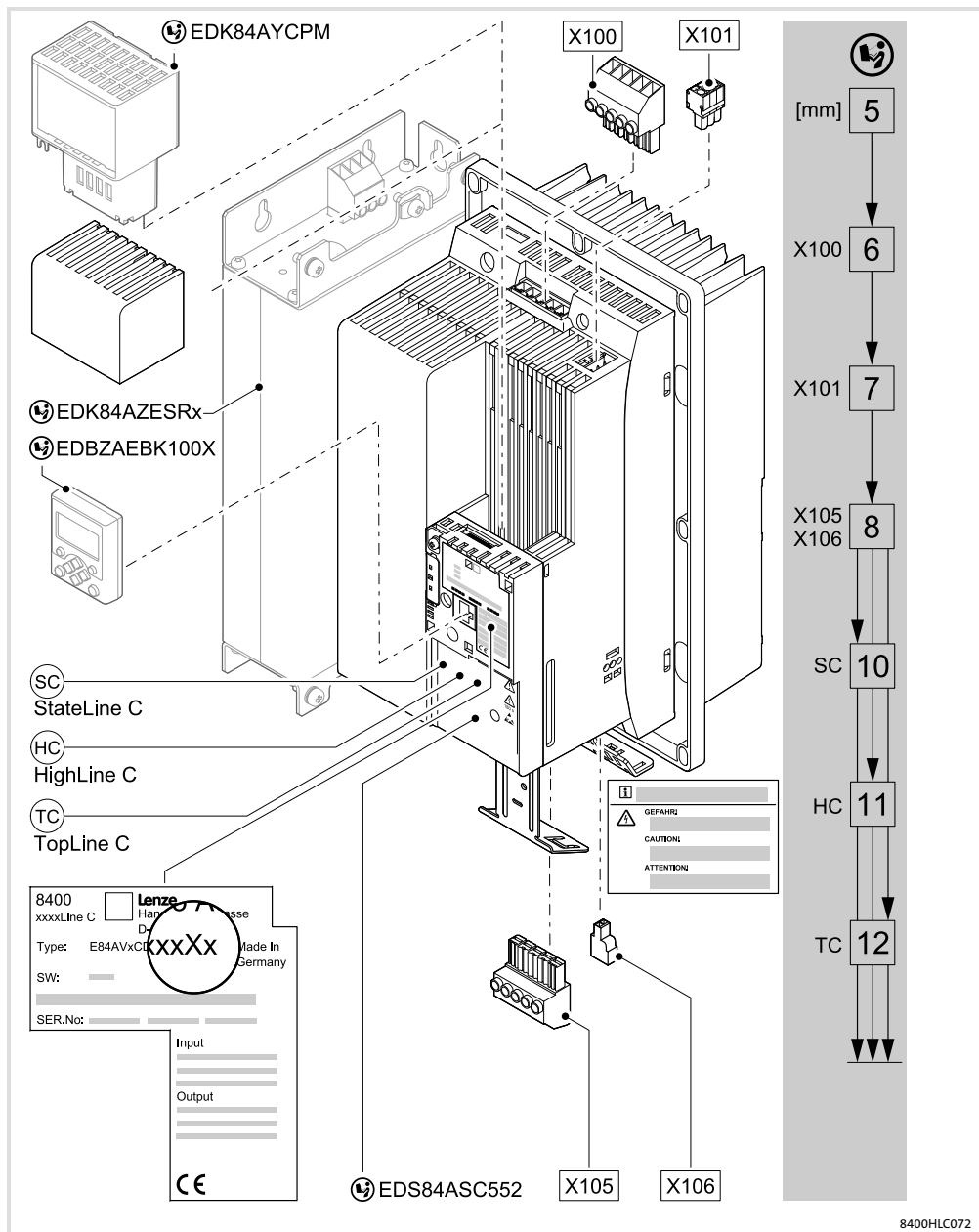
8400HLC071



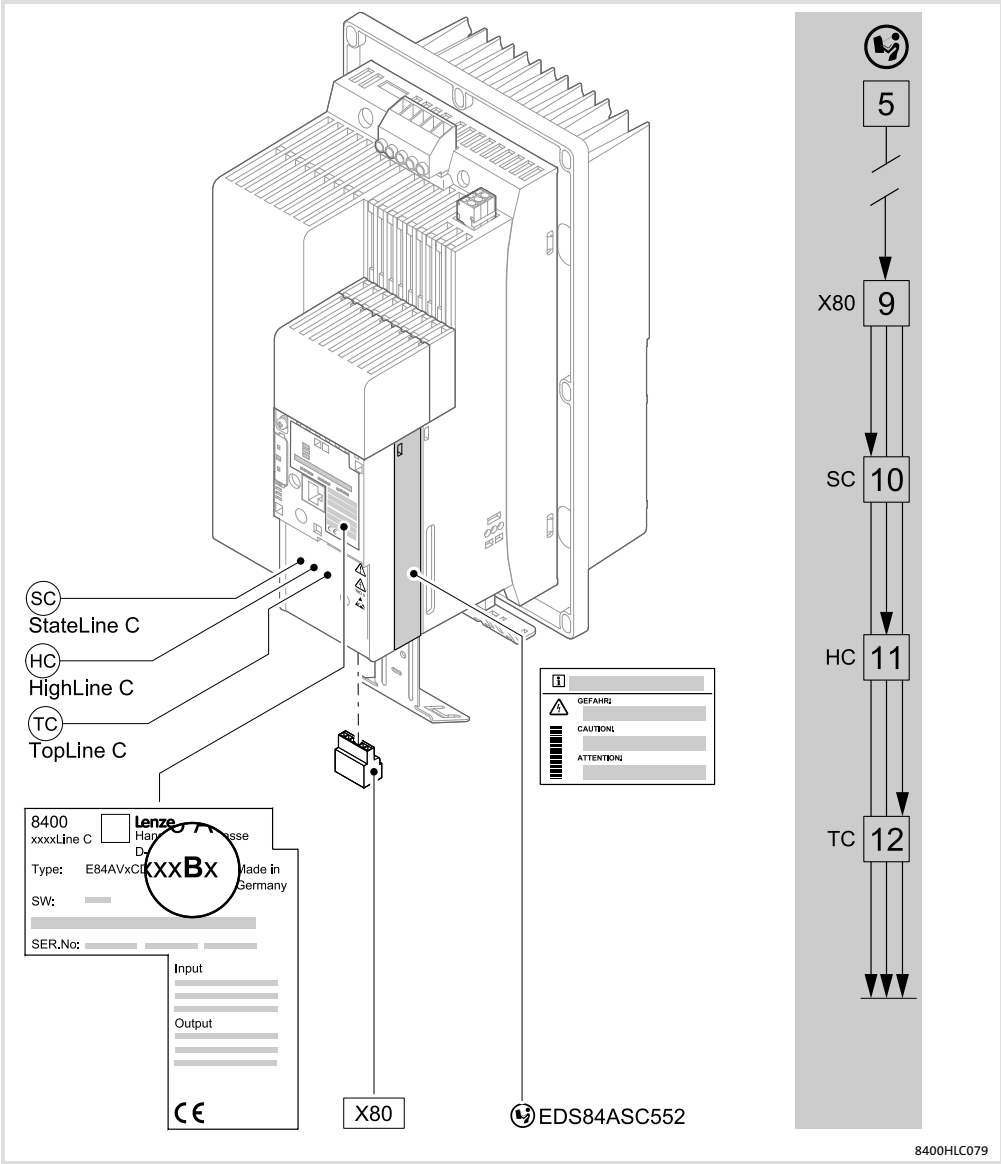
8400HLC078



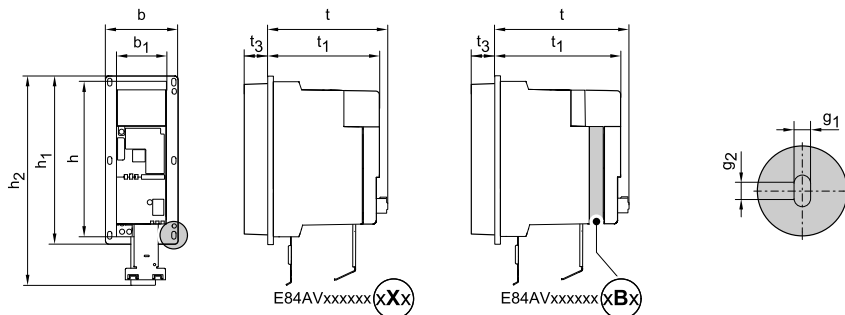
3 ... 15 kW



8400HLC072



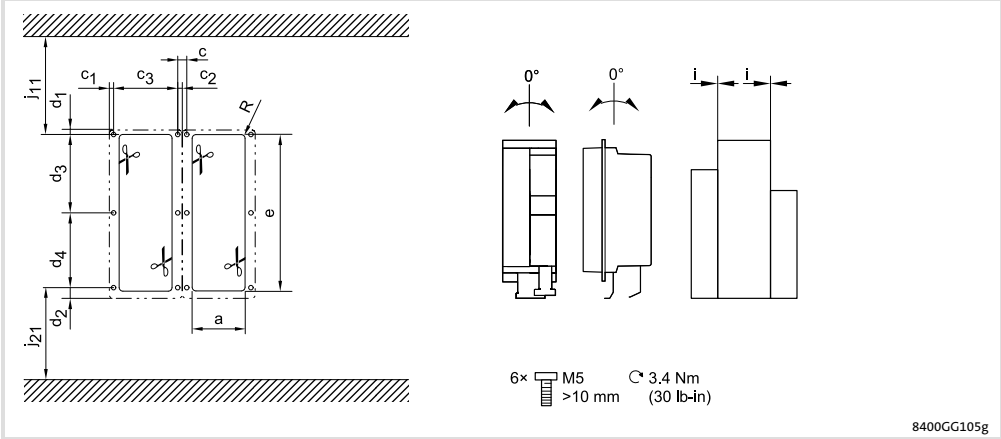
StateLine, HighLine



8400GG105h

	[kW]	h	b	t	h_1	h_2	b_1	t_1	t_3	g_1	g_2
		[mm]									
E84AVxxD2512xXx	0.25	165	102	185	186	226	70	172	14	6	5
E84AVxxD3712xXx	0.37										
E84AVxxD3714xXx	0.37										
E84AVxxD551xxXx	0.55	215	102	163	236	276	70	150	36	6	5
E84AVxxD751xxXx	0.75										
E84AVxxD112xxXx	1.1										
E84AVxxD152xxXx	1.5	270	137	163	295	335	70	150	60	6	5
E84AVxxD222xxXx	2.2										
E84AVxxD2512xBx	0.25										
E84AVxxD3712xBx	0.37	165	102	205	186	226	70	192	14	6	5
E84AVxxD3714xBx	0.37										
E84AVxxD551xxBx	0.55										
E84AVxxD751xxBx	0.75	215	102	183	236	276	70	170	36	6	5
E84AVxxD112xxBx	1.1										
E84AVxxD152xxBx	1.5										
E84AVxxD222xxBx	2.2	270	137	183	295	335	70	170	60	6	5

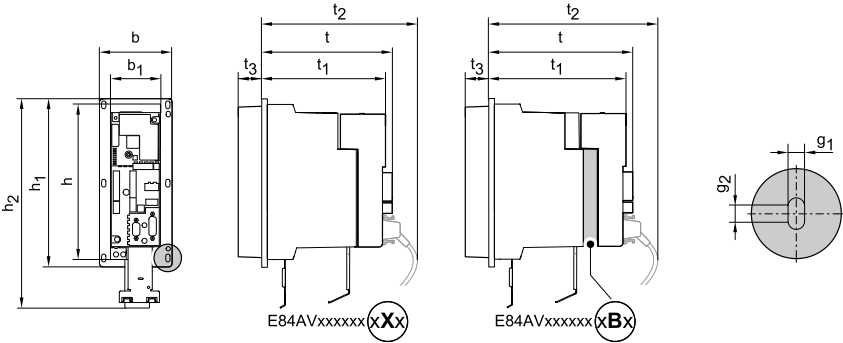
StateLine, HighLine



8400GG105g

		a	e	R	d ₁	d ₂	d ₃	d ₄	c	c ₁ , c ₂	c ₃	i	j ₁₁ , j ₂₁	
	[kW]	[mm]												[kg]
E84AVxxD2512xXx	0.25	75	170	5	10	10	85	80	12	6	90	0	> 95	1.4
E84AVxxD3712xXx	0.37	± 1	± 1											
E84AVxxD3714xXx	0.37	75	221	5	8.5	12.5	110	105	12	6	90	0	> 95	1.9
E84AVxxD551xxXx	0.55	± 1	± 1											
E84AVxxD751xxXx	0.75													
E84AVxxD112xxXx	1.1													
E84AVxxD152xxXx	1.5	109	274	5	12.5	12.5	135	135	12	6	125	0	> 95	3.5
E84AVxxD222xxXx	2.2	± 1	± 1											
E84AVxxD2512xBx	0.25	75	170	5	10	10	85	80	12	6	90	0	> 95	1.5
E84AVxxD3712xBx	0.37	± 1	± 1											
E84AVxxD3714xBx	0.37	75	221	5	8.5	12.5	110	105	12	6	90	0	> 95	2.0
E84AVxxD551xxBx	0.55	± 1	± 1											
E84AVxxD751xxBx	0.75													
E84AVxxD112xxBx	1.1													
E84AVxxD152xxBx	1.5	109	274	5	12.5	12.5	135	135	12	6	125	0	> 95	3.6
E84AVxxD222xxBx	2.2	± 1	± 1											

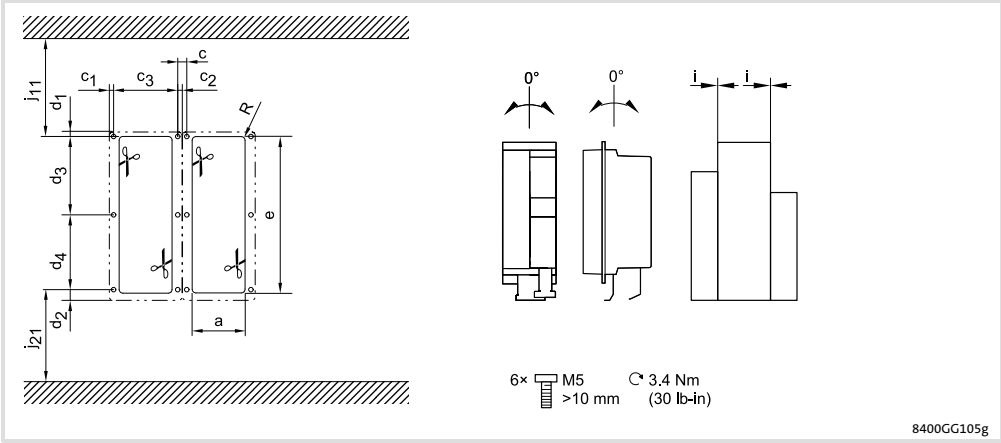
TopLine



8400GG105i

		h	b	t	h ₁	h ₂	b ₁	t ₁	t ₂	t ₃	g ₁	g ₂
	[kW]	[mm]										
E84AVTCD2512xXx	0.25	215	102	179	236	276	70	166	206	36	6	5
E84AVTCD371xxXx	0.37											
E84AVTCD551xxXx	0.55											
E84AVTCD751xxXx	0.75											
E84AVTCD112xxXx	1.1	270	137	179	295	335	70	166	206	60	6	5
E84AVTCD152xxXx	1.5											
E84AVTCD222xxXx	2.2											
E84AVTCD2512xBx	0.25											
E84AVTCD371xxBx	0.37	215	102	199	236	276	70	186	226	36	6	5
E84AVTCD551xxBx	0.55											
E84AVTCD751xxBx	0.75											
E84AVTCD112xxBx	1.1											
E84AVTCD152xxBx	1.5	270	137	199	295	335	70	186	226	60	6	5
E84AVTCD222xxBx	2.2											

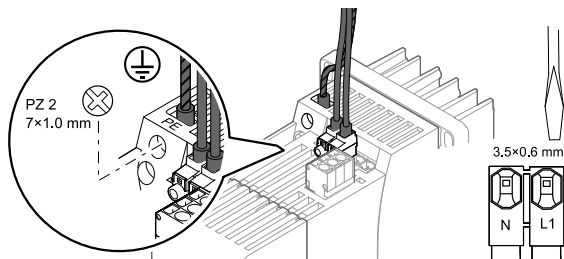
TopLine



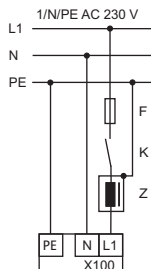
8400GG105g

		a	e	R	d ₁	d ₂	d ₃	d ₄	c	c ₁ , c ₂	c ₃	i	j ₁₁ , j ₂₁	
		[mm]												[kg]
	[kW]													
E84AVTCD2512xxXx	0.25	75 ± 1	221 ± 1	5	8.5	12.5	110	105	12	6	90	0	> 95	2.1
E84AVTCD371xxXx	0.37													
E84AVTCD551xxXx	0.55													
E84AVTCD751xxXx	0.75	109 ± 1	274 ± 1	5	12.5	12.5	135	135	12	6	125	0	> 95	3.7
E84AVTCD112xxXx	1.1													
E84AVTCD152xxXx	1.5													
E84AVTCD222xxXx	2.2	75 ± 1	221 ± 1	5	8.5	12.5	110	105	12	6	90	0	> 95	2.2
E84AVTCD2512xBx	0.25													
E84AVTCD371xxBx	0.37													
E84AVTCD551xxBx	0.55	109 ± 1	274 ± 1	5	12.5	12.5	135	135	12	6	125	0	> 95	3.8
E84AVTCD751xxBx	0.75													
E84AVTCD112xxBx	1.1													
E84AVTCD152xxBx	1.5	75 ± 1	221 ± 1	5	8.5	12.5	110	105	12	6	90	0	> 95	2.2
E84AVTCD222xxBx	2.2													

X100 - TN, TT

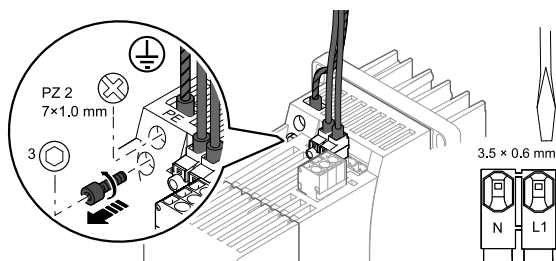


8400GG045

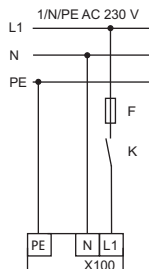


8400GG003

X100 - IT



8400GG046



8400GG004

	F						L1, N			PE		
	EN 60204				UL							
	[A]		[A]		[A]		[mm ²] [AWG]	[mm]	[Nm] [lb-in]	[mm ²] [AWG]	[mm]	[Nm] [lb-in]
E84AVxxD2512	6	C6	6	C6	6	6	1 ... 2.5 18 ... 12	7	0.5 4.4	1 ... 6 18 ... 10	10	1.7 15
E84AVxxD3712	6	C6	6	C6	10	10						
E84AVxxD5512	10	C10	10	C10	10	10	1 ... 2.5 18 ... 12	7	0.5 4.4	1 ... 6 18 ... 10	10	1.7 15
E84AVxxD7512	10	C10	10	C10	15	15						
E84AVxxD1122	16	C16	16	C16	20	20						
E84AVxxD1522	16	C16	20	C20	25	25	1 ... 6 18 ... 10	8	0.5 4.4	1 ... 6 18 ... 10	10	1.7 15
E84AVxxD2222	20	C20	25	C25	30	30						

X100 - TN, TT

8400GG047

8400GG007

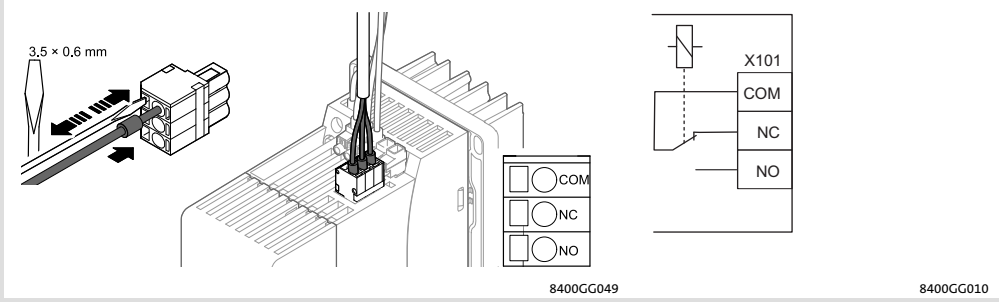
X100 - IT

8400GG048

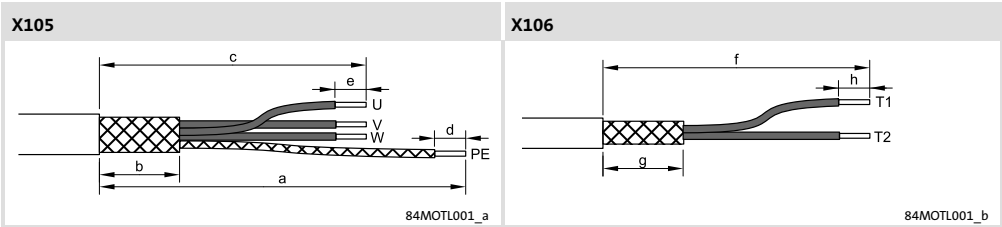
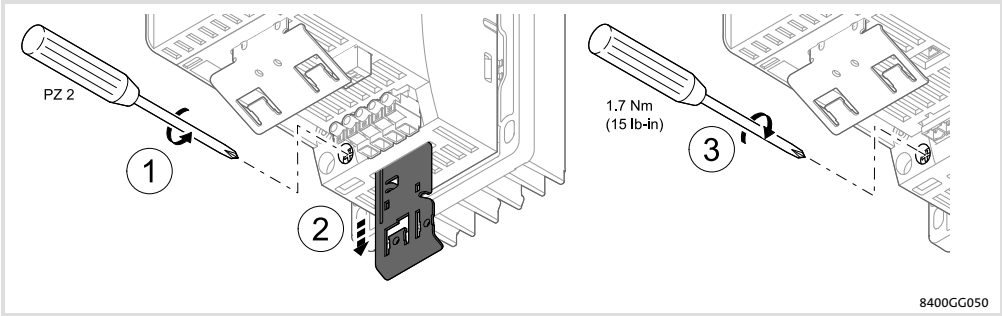
8400GG008

	F						L1, L2, L3			PE		
	EN 60204				UL							
	[A]		[A]		[A]	[A]	[mm²] [AWG]	[mm]	[Nm] [lb-in]	[mm²] [AWG]	[mm]	[Nm] [lb-in]
E84AVxxD3714	6	C6	6	C6	6	6	1 ... 2.5 18 ... 12	7	0.5 4.4	1 ... 6 18 ... 10	10	1.7 15
E84AVxxD5514	6	C6	6	C6	6	6						
E84AVxxD7514	6	C6	6	C6	6	6						
E84AVxxD1124	6	C6	10	C10	10	10	1 ... 2.5 18 ... 12	7	0.5 4.4	1 ... 6 18 ... 10	10	1.7 15
E84AVxxD1524	6	C6	10	C10	10	10						
E84AVxxD2224	10	C10	10	C10	10	10						

X101

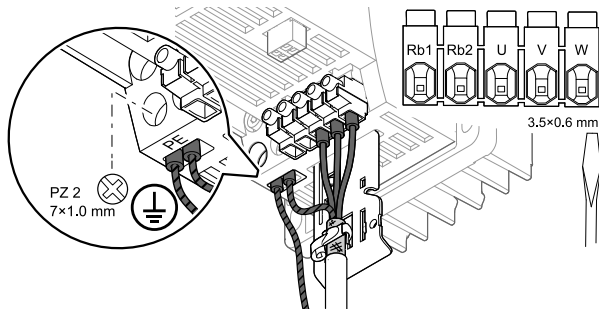


	COM, NC, NO	
		
	[mm ²] [AWG]	[mm]
E84AVxxD2512 E84AVxxD3712	0.2 ... 1.5 24 ... 16	10
E84AVxxD3714 E84AVxxD551x E84AVxxD751x	0.2 ... 1.5 24 ... 16	10
E84AVxxD112x E84AVxxD152x E84AVxxD222x	0.2 ... 1.5 24 ... 16	10

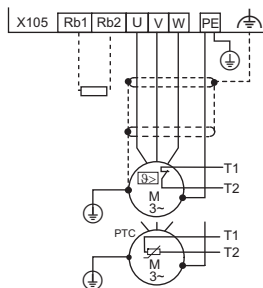


	U, V, W					PE				T1, T2			
	b	c	e			a	d			f	g	h	
	[mm]			[mm ²] [AWG]	[Nm] [lb-in]	[mm]		[mm ²] [AWG]	[Nm] [lb-in]	[mm]			[mm ²] [AWG]
E84AVxxD2512 E84AVxxD3712	25	65	7	1 ... 2.5 18 ... 12	0.5 4.4	90	9	1 ... 6 18 ... 10	1.7 15	95	25	10	0.2 ... 1.5 24 ... 16
E84AVxxD3714 E84AVxxD551x E84AVxxD751x	30	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
E84AVxxD112x E84AVxxD152x E84AVxxD222x	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

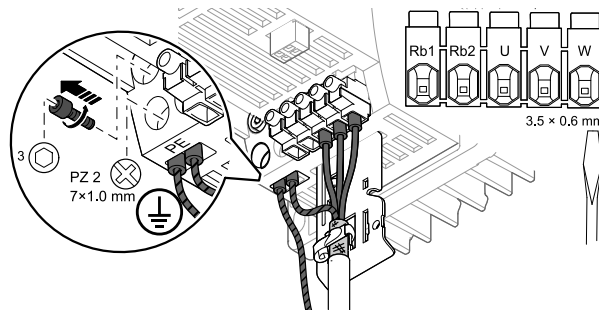


8400GG051

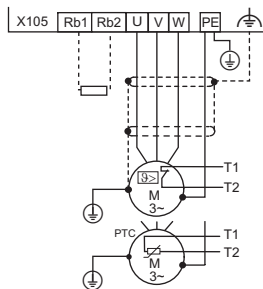


8400GG013

X105 - IT

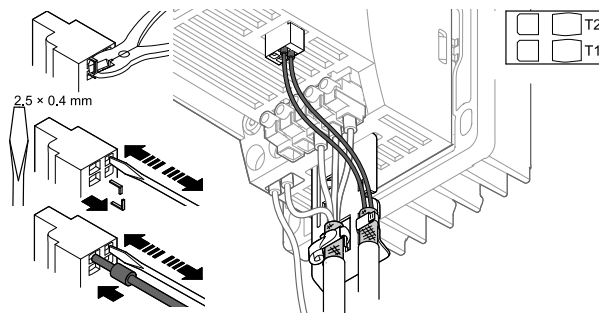


8400GG052

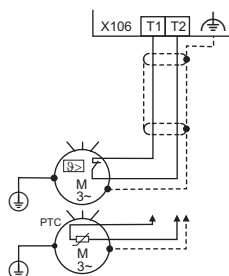


8400GG013

X106

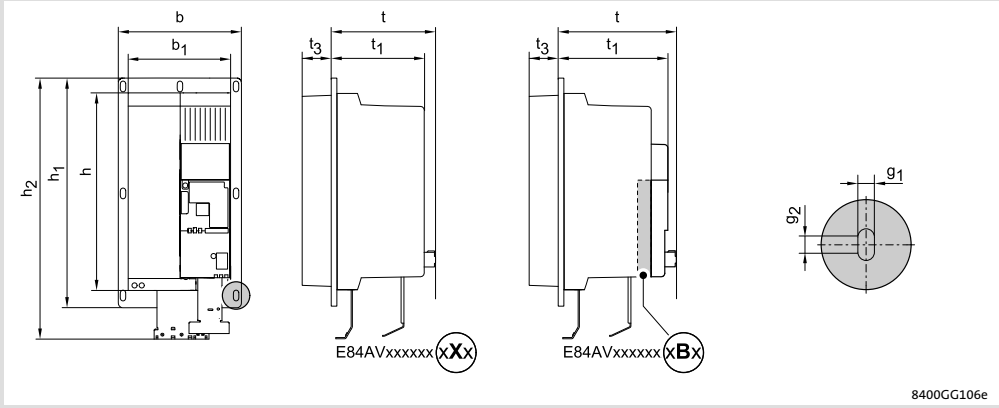


8400GG053



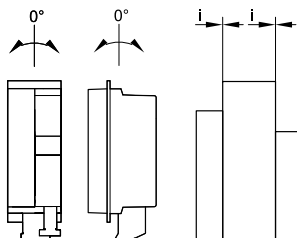
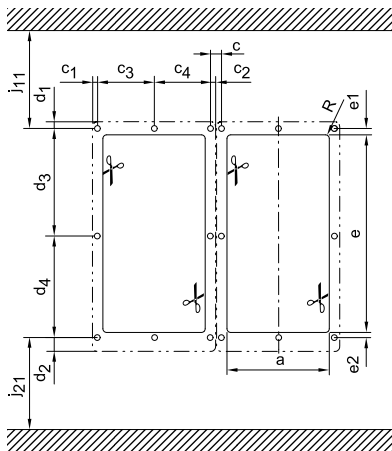
8400GG017

StateLine, HighLine



		h	b	t	h ₁	h ₂	b ₁	t ₁	t ₃	g ₁	g ₂
		[mm]									
	[kW]										
E84AVxxD3024xXx	3	270	174	141	318	366	140	128	64	6	5
E84AVxxD4024xXx	4										
E84AVxxD5524xXx	5.5										
E84AVxxD3024xBx	3	270	174	161	318	366	140	148	64	6	5
E84AVxxD4024xBx	4										
E84AVxxD5524xBx	5.5										

StateLine, HighLine

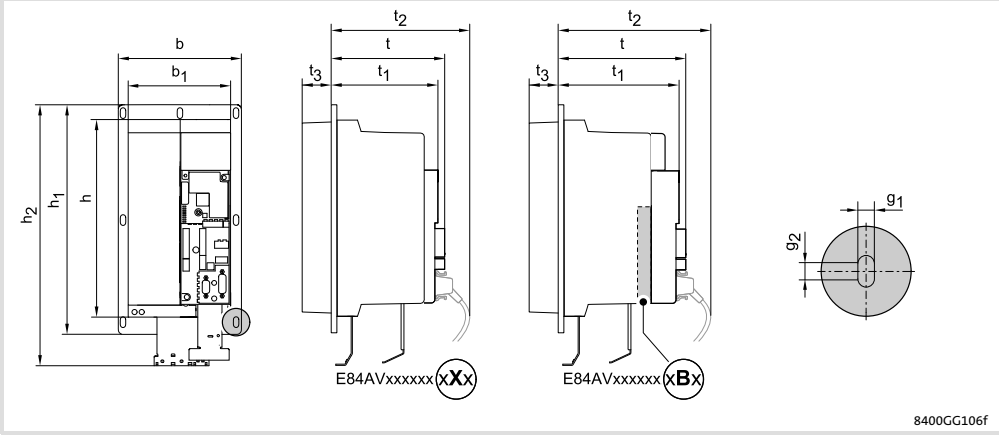


8x  M5 $\hookrightarrow$ 3,4 Nm
 >10 mm (30 lb-in)

8400GG106d

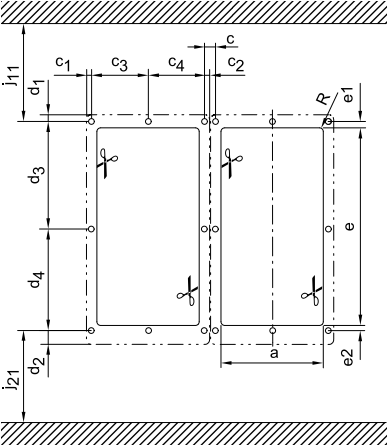
	[kW]	a	e	e ₁	e ₂	R	d ₁ , d ₂	d ₃ , d ₄	c	c ₁ , c ₂	c ₃ , c ₄	i	j ₁₁ , j ₂₁	
		[mm]												[kg]
E84AVxxD3024xXx	3													
E84AVxxD4024xXx	4	146 ± 1	279 ± 1	12.5	8.5	5	9	150	15	7	80	0	> 95	4.9
E84AVxxD5524xXx	5.5													
E84AVxxD3024xBx	3													
E84AVxxD4024xBx	4	146 ± 1	279 ± 1	12.5	8.5	5	9	150	15	7	80	0	> 95	5.0
E84AVxxD5524xBx	5.5													

TopLine



		h	b	t	h ₁	h ₂	b ₁	t ₁	t ₂	t ₃	g ₁	g ₂
		[mm]										
	[kW]											
E84AVTCD3024xXx	3	270	174	156	318	366	140	143	182	64	6	5
E84AVTCD4024xXx	4											
E84AVTCD5524xXx	5.5											
E84AVTCD3024xBx	3	270	174	176	318	366	140	163	202	64	6	5
E84AVTCD4024xBx	4											
E84AVTCD5524xBx	5.5											

TopLine



8×

M5

>10 mm

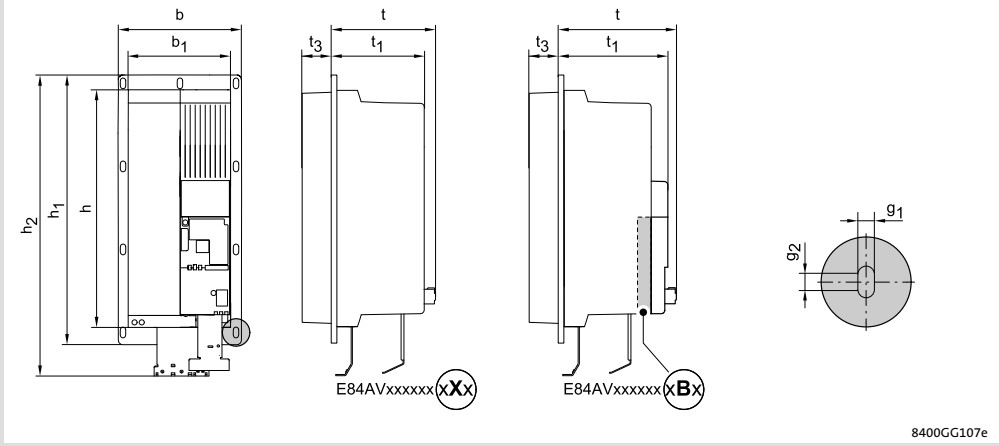
⌀ 3,4 Nm

(30 lb-in)

8400GG106d

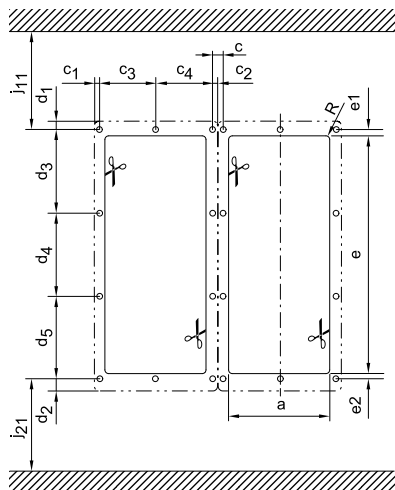
		a	e	e ₁	e ₂	R	d ₁ , d ₂	d ₃ , d ₄	c	c ₁ , c ₂	c ₃ , c ₄	i	j ₁₁ , j ₂₁	
	[kW]	[mm]												[kg]
E84AVTCD3024xXx	3													
E84AVTCD4024xXx	4	146 ± 1	279 ± 1	12.5	8.5	5	9	150	15	7	80	0	> 95	5.1
E84AVTCD5524xXx	5.5													
E84AVTCD3024xBx	3													
E84AVTCD4024xBx	4	146 ± 1	279 ± 1	12.5	8.5	5	9	150	15	7	80	0	> 95	5.2
E84AVTCD5524xBx	5.5													

StateLine, HighLine



		h	b	t	h ₁	h ₂	b ₁	t ₁	t ₃	g ₁	g ₂
		[mm]									
E84AVxxD7524xXx	7.5	325	174	141	378	426	140	128	64	6	5
E84AVxxD1134xXx	11										
E84AVxxD1534xXx	15										
E84AVxxD7524xBx	7.5	325	174	161	378	426	140	148	64	6	5
E84AVxxD1134xBx	11										
E84AVxxD1534xBx	15										

StateLine, HighLine

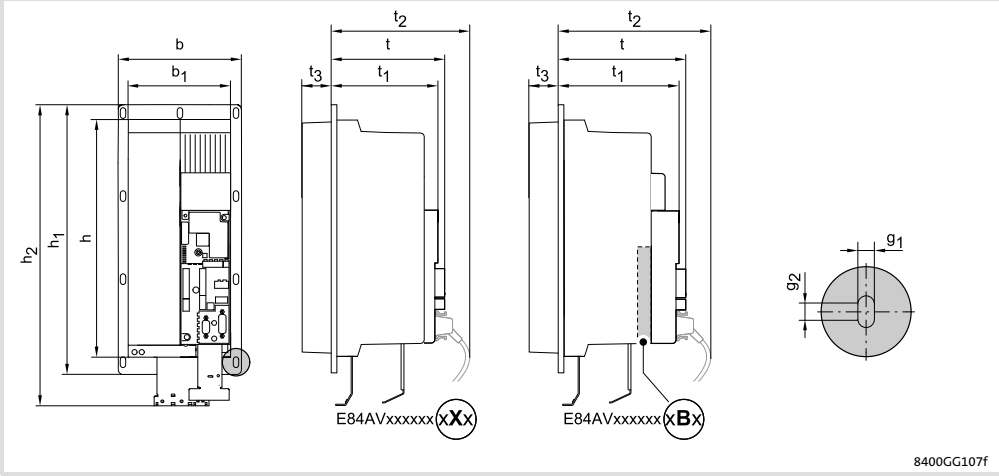


10×  M5 $\hookrightarrow$ 3.4 Nm
>10 mm (30 lb-in)

8400GG107d

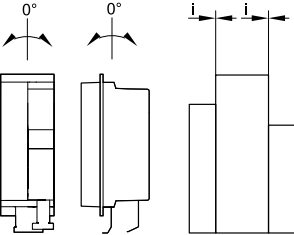
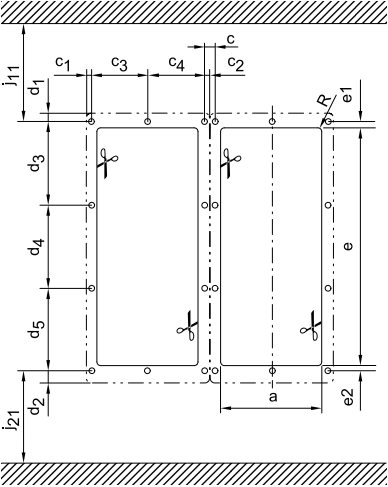
	[kW]	a	e	e ₁	e ₂	R	d ₁ , d ₂	d ₃ , d ₄ , d ₅	c	c ₁ , c ₂	c ₃ , c ₄	i	j ₁₁ , j ₂₁	
		[mm]												[kg]
E84AVxxD7524xXx	7.5	145	333	17	10	5	9	120	15	7	80	0	> 95	6.2
E84AVxxD1134xXx	11	± 1	± 1											
E84AVxxD1534xXx	15													
E84AVxxD7524xBx	7.5	145	333	17	10	5	9	120	15	7	80	0	> 95	6.3
E84AVxxD1134xBx	11	± 1	± 1											
E84AVxxD1534xBx	15													

TopLine



		h	b	t	h ₁	h ₂	b ₁	t ₁	t ₂	t ₃	g ₁	g ₂
		[mm]										
	[kW]											
E84AVTCD7524xXx	7.5											
E84AVTCD1134xXx	11	325	174	156	378	426	140	143	182	64	6	5
E84AVTCD1534xXx	15											
E84AVTCD7524xBx	7.5											
E84AVTCD1134xBx	11	325	174	176	378	426	140	163	202	64	6	5
E84AVTCD1534xBx	15											

TopLine



10×

 M5

 >10 mm

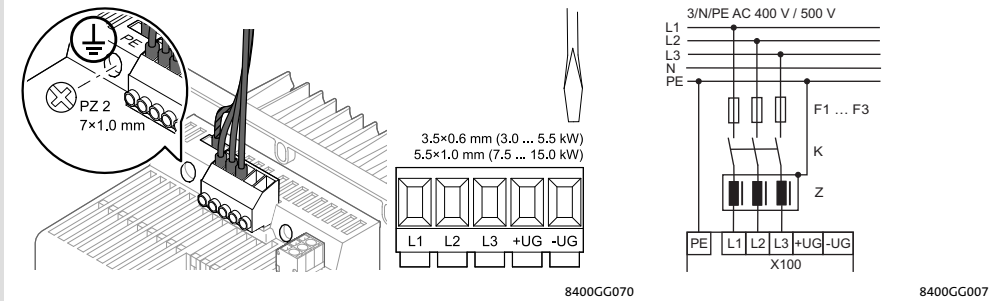
⚙️ 3.4 Nm

 (30 lb-in)

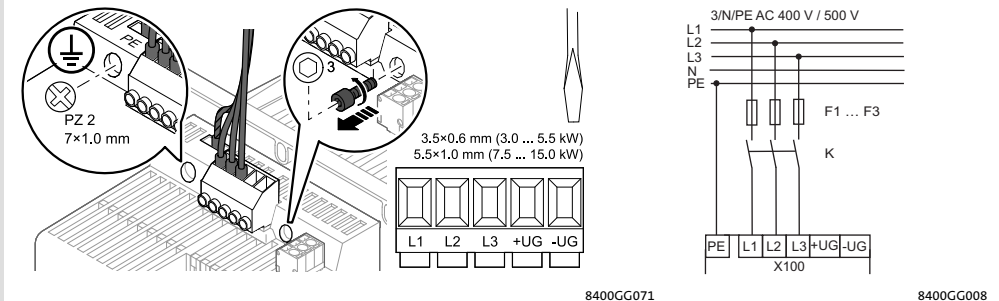
8400GG107d

	[kW]	a	e	e ₁	e ₂	R	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]												[kg]
E84AVTCD7524xXx	7.5	145	333	17	10	5	9	120	15	7	80	0	> 95	6.4
E84AVTCD1134xXx	11	± 1	± 1											
E84AVTCD1534xXx	15													
E84AVTCD7524xBx	7.5	145	333	17	10	5	9	120	15	7	80	0	> 95	6.5
E84AVTCD1134xBx	11	± 1	± 1											
E84AVTCD1534xBx	15													

X100 - TN, TT

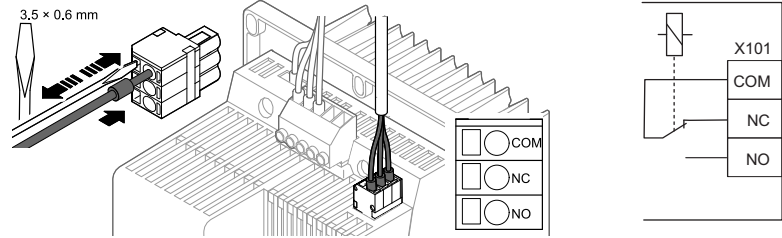


X100 - IT



	F						L1, L2, L3			PE		
	EN 60204				UL							
	[A]		[A]		[A]	[A]	[mm²] [AWG]	[mm]	[Nm] [lb-in]	[mm²] [AWG]	[mm]	[Nm] [lb-in]
E84AVxxD3024xx0	10	C10	16	C16	15	15	1 ... 6 18 ... 10	14	0.5 4.4	2.5 ... 16 12 ... 6	14	3.4 30
E84AVxxD4024	16	C16	16	C16	20	20						
E84AVxxD5524	20	C20	25	C25	20	20						
E84AVxxD7524	20	C20	32	C32	20	25	1 ... 16 18 ... 6	14	1.2 10.6	2.5 ... 16 12 ... 6	14	3.4 30
E84AVxxD1134	32	C32	32	C32	30	40						
E84AVxxD1534	32	C32	-	-	40	-						

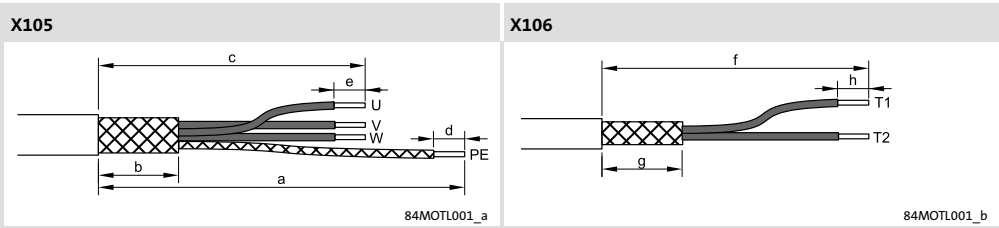
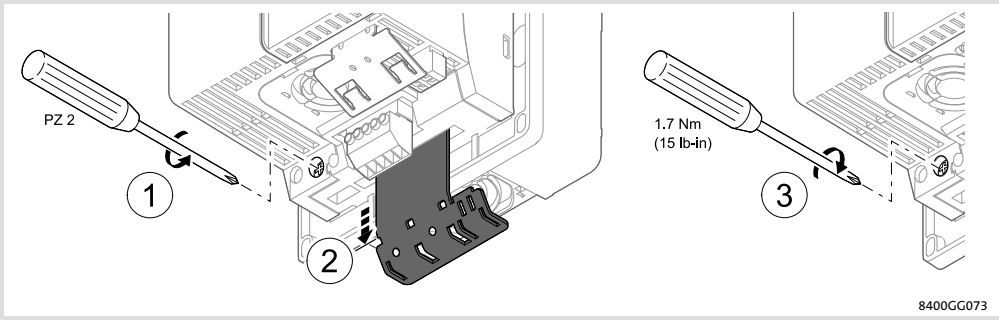
X101



8400GG0728400GG010

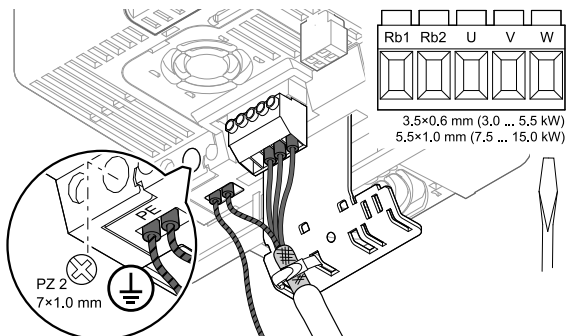
COM, NC, NO

	COM, NC, NO	
		
	[mm ²] [AWG]	[mm]
E84AVxxD3024xx0 E84AVxxD4024 E84AVxxD5524	0.2 ... 1.5 24 ... 16	10
E84AVxxD7524 E84AVxxD1134 E84AVxxD1534	0.2 ... 1.5 24 ... 16	10

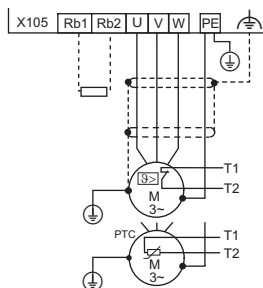


	U, V, W					PE				T1, T2			
	b	c	e			a	d			f	g	h	
	[mm]			[mm²] [AWG]	[Nm] [lb-in]	[mm]		[mm²] [AWG]	[Nm] [lb-in]	[mm]			[mm²] [AWG]
E84AVxxD3024xx0 E84AVxxD4024 E84AVxxD5524	25	70	14	1 ... 6 18 ... 10	0.5 4.4	125	14	2.5 ... 16 12 ... 6	3.4 30	105	25	10	0.2 ... 1.5 24 ... 16
E84AVxxD7524 E84AVxxD1134 E84AVxxD1534	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

X105 - TN, TT

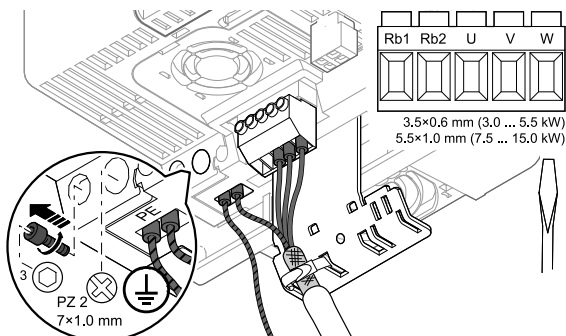


8400GG074

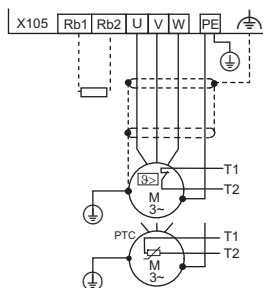


8400GG013

X105 - IT

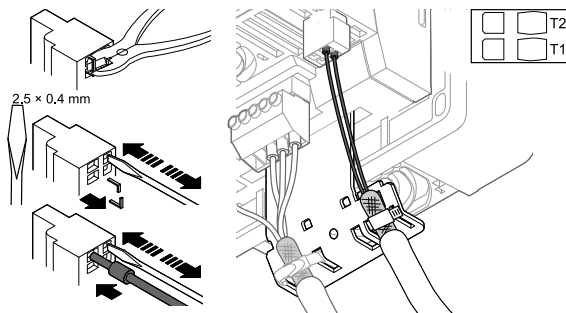


8400GG075

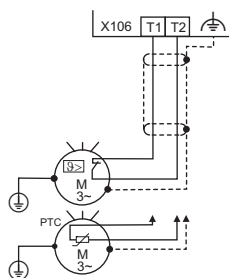


8400GG013

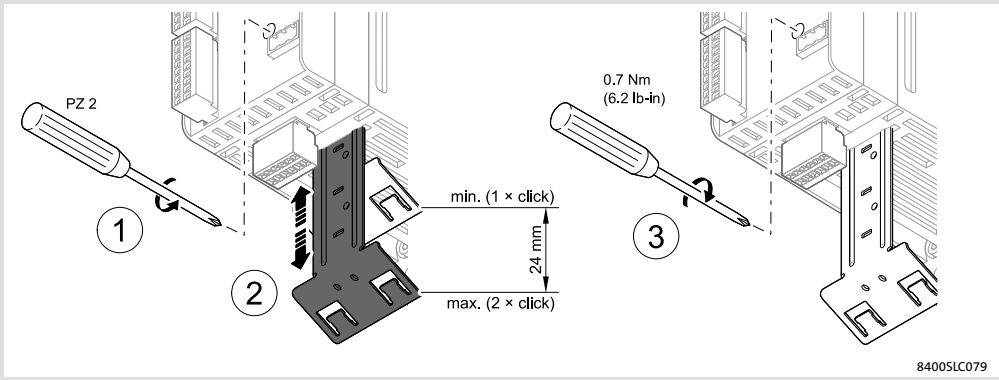
X106

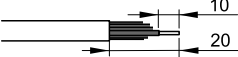


8400GG076

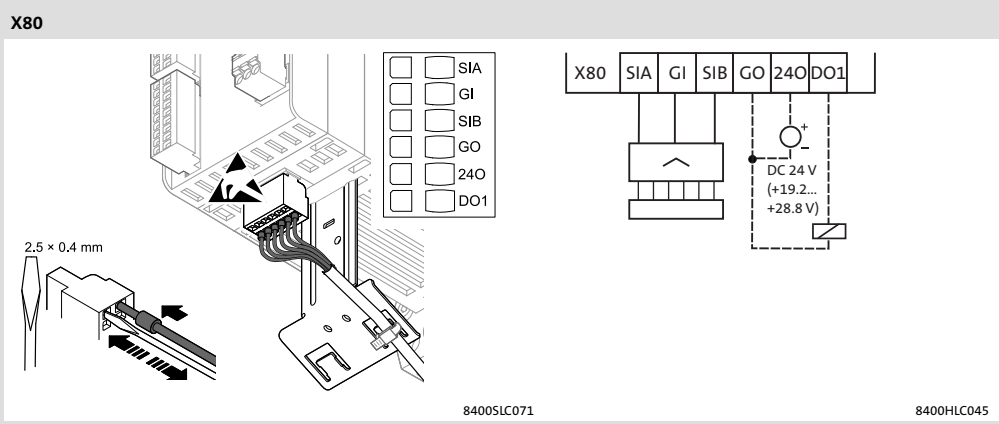


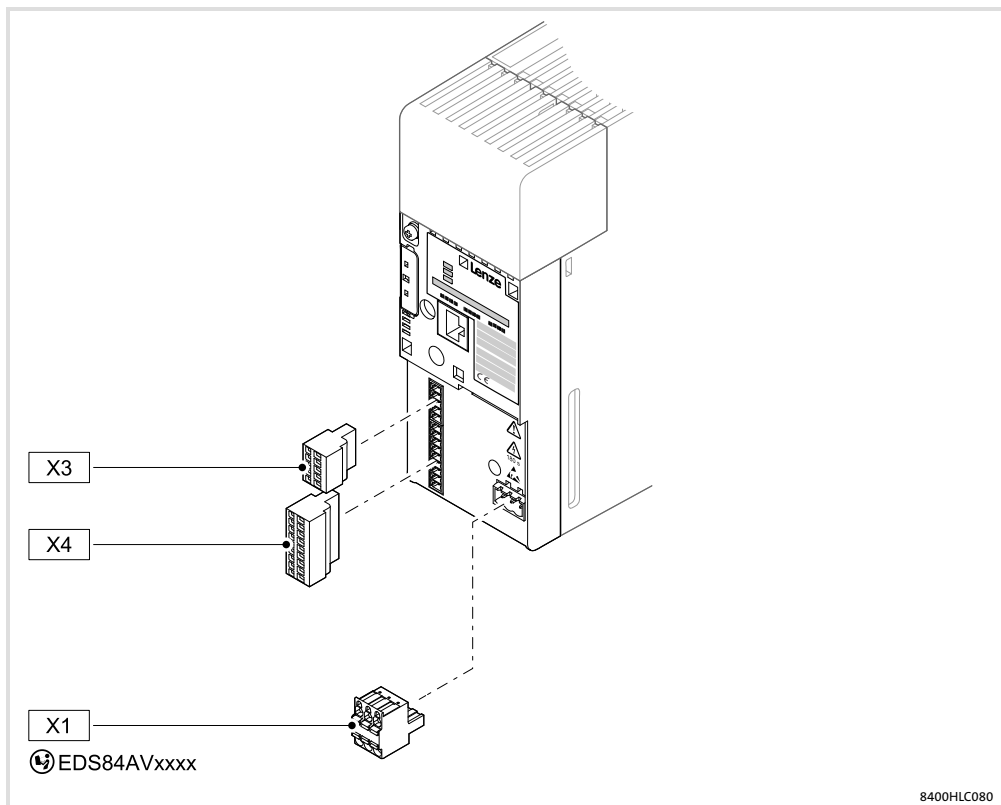
8400GG017

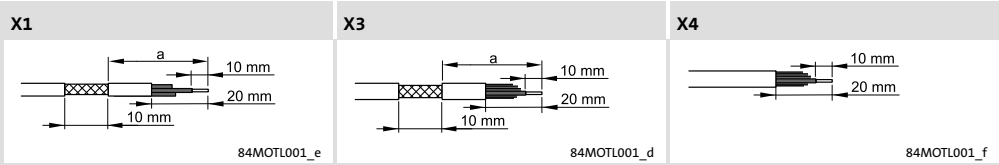
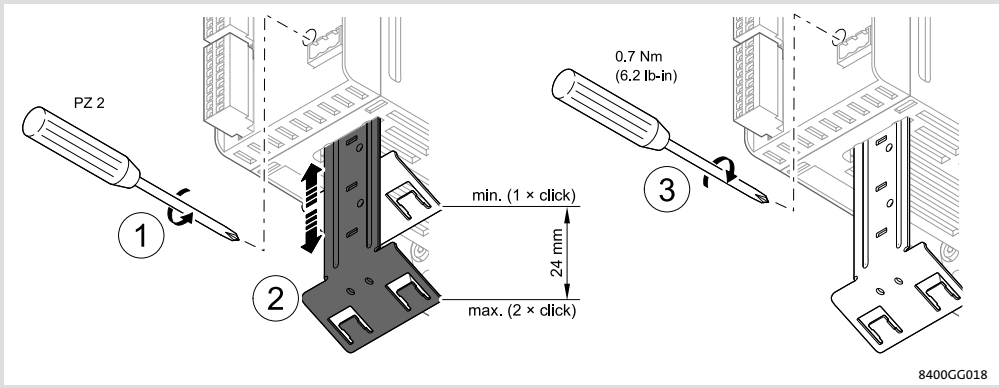


	
[mm]	[mm ²] [AWG]
	0.2 ... 1.5 24 ... 16

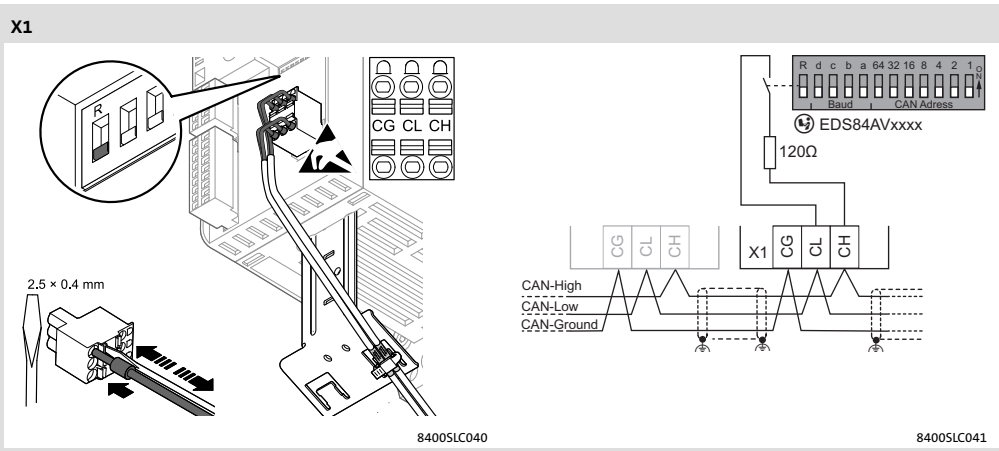
84MOTL001_g



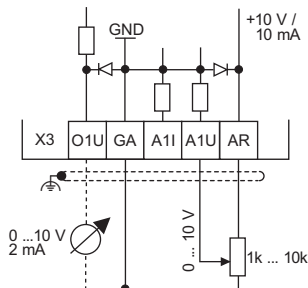
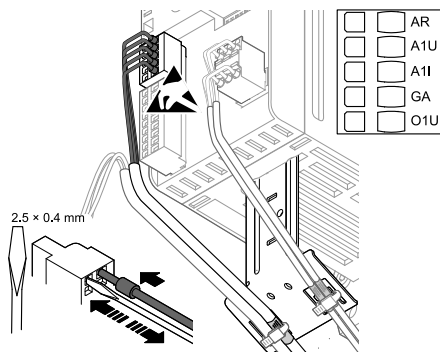




X1			X3			X4
min.	max.		min.	max.		
a [mm]	a [mm]	[mm ²] [AWG]	a [mm]	a [mm]	[mm ²] [AWG]	[mm ²] [AWG]
110	135	0.2 ... 1.5 24 ... 16	150	175	0.2 ... 1.5 24 ... 16	0.2 ... 1.5 24 ... 16



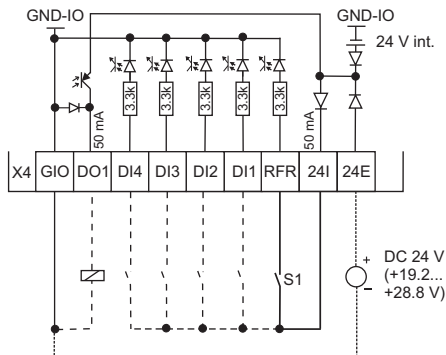
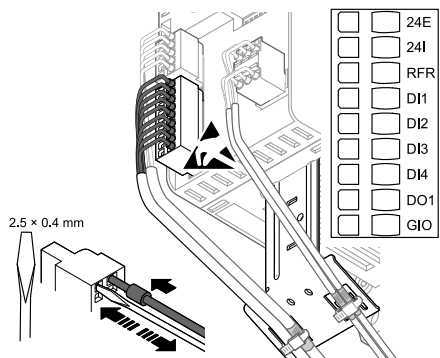
X3



84005LC042

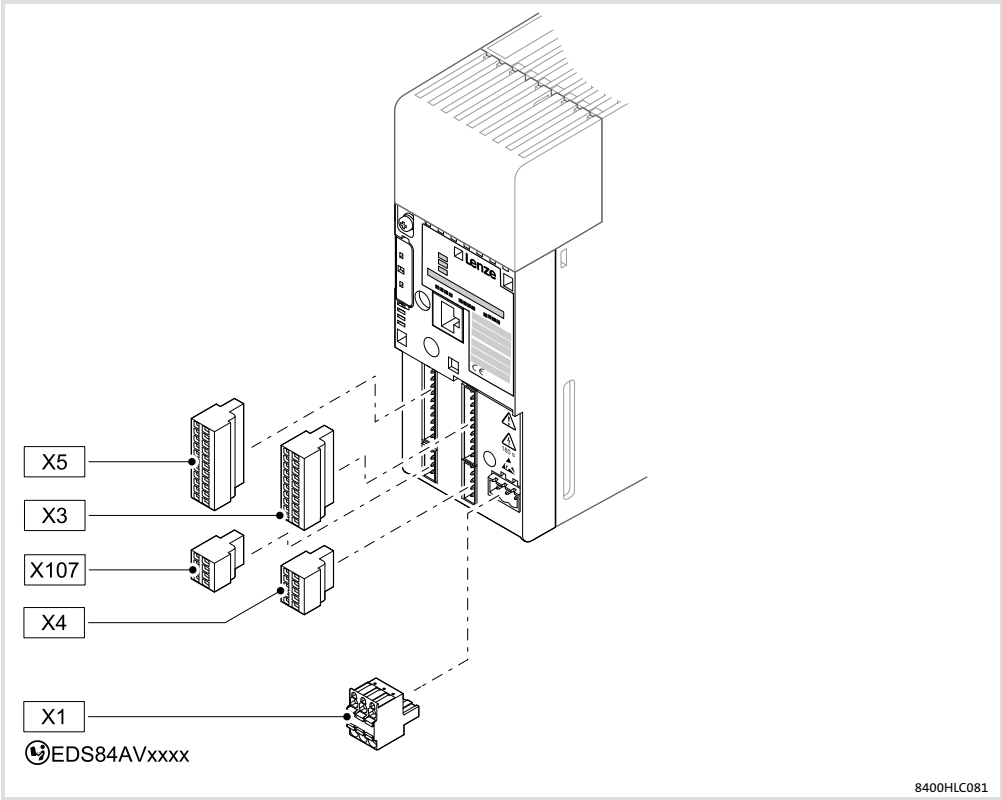
84005LC043

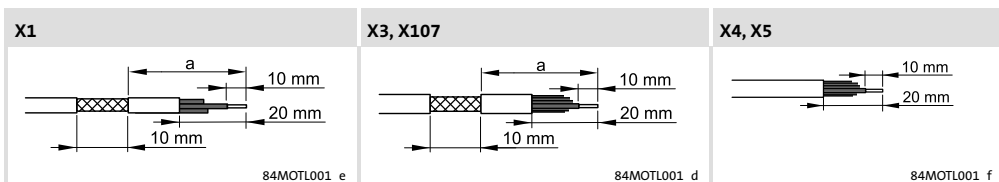
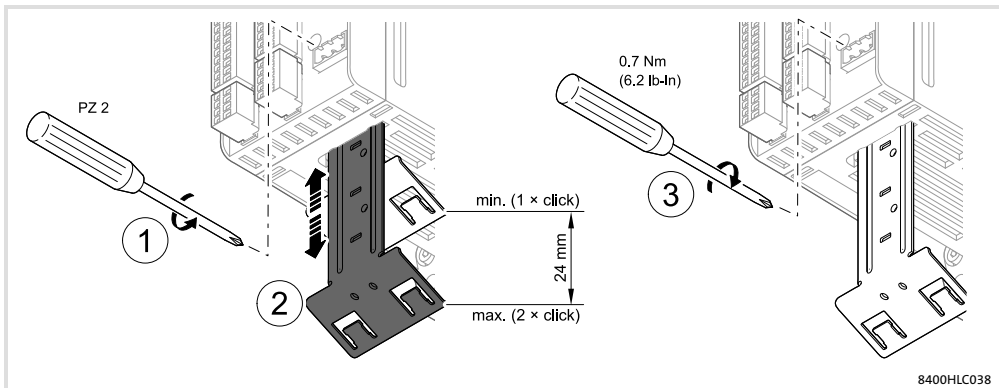
X4



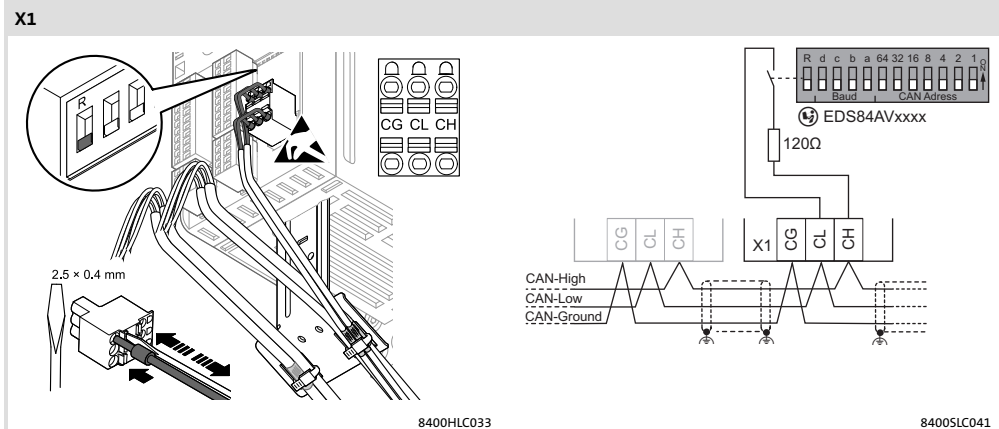
84005LC044

84005LC045

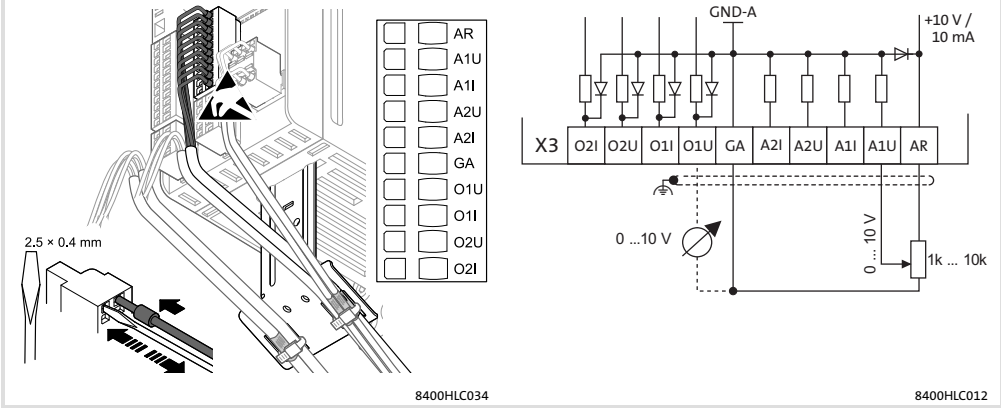




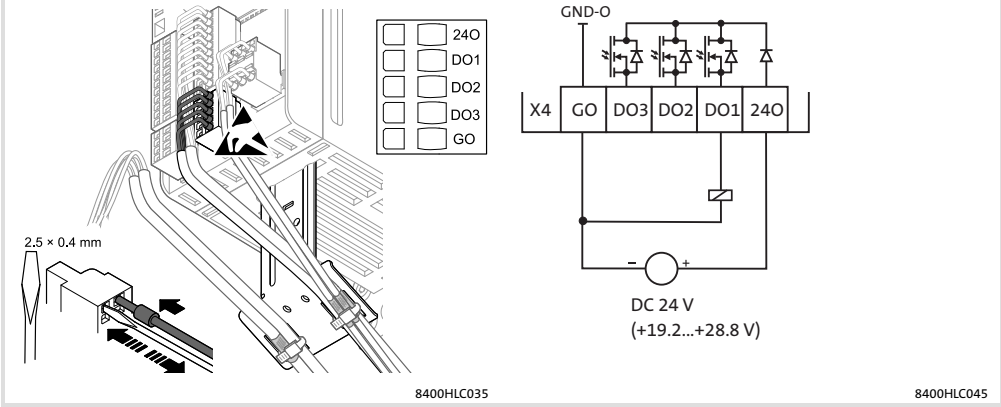
X1			X3			X4, X5		X107		
min.	max.		min.	max.				min.	max.	
a [mm]	a [mm]	[mm ²] [AWG]	a [mm]	a [mm]	[mm ²] [AWG]	[mm ²] [AWG]	[mm ²] [AWG]	a [mm]	a [mm]	[mm ²] [AWG]
110	135	0.2 ... 1.5 24 ... 16	150	175	0.2 ... 1.5 24 ... 16	0.2 ... 1.5 24 ... 16	0.2 ... 1.5 24 ... 16	115	140	0.2 ... 1.5 24 ... 16



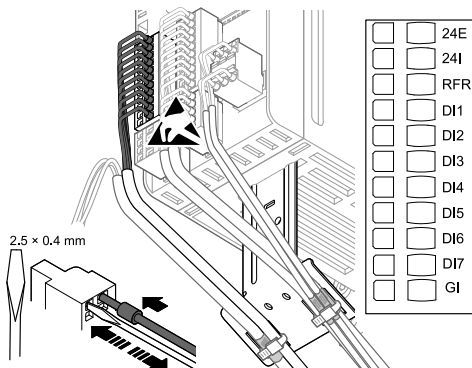
X3



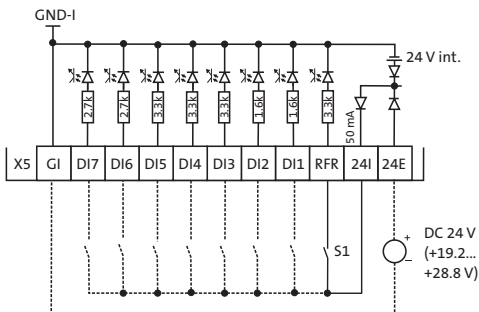
X4



X5

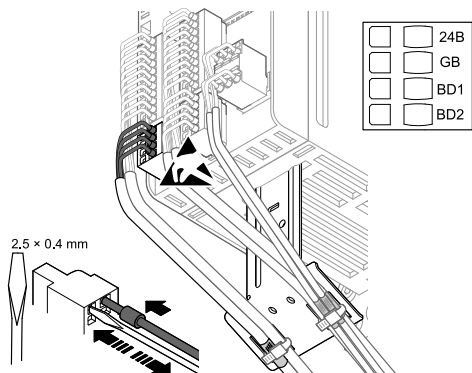


8400HLC036

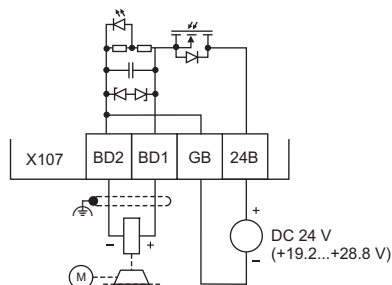


8400HLC045

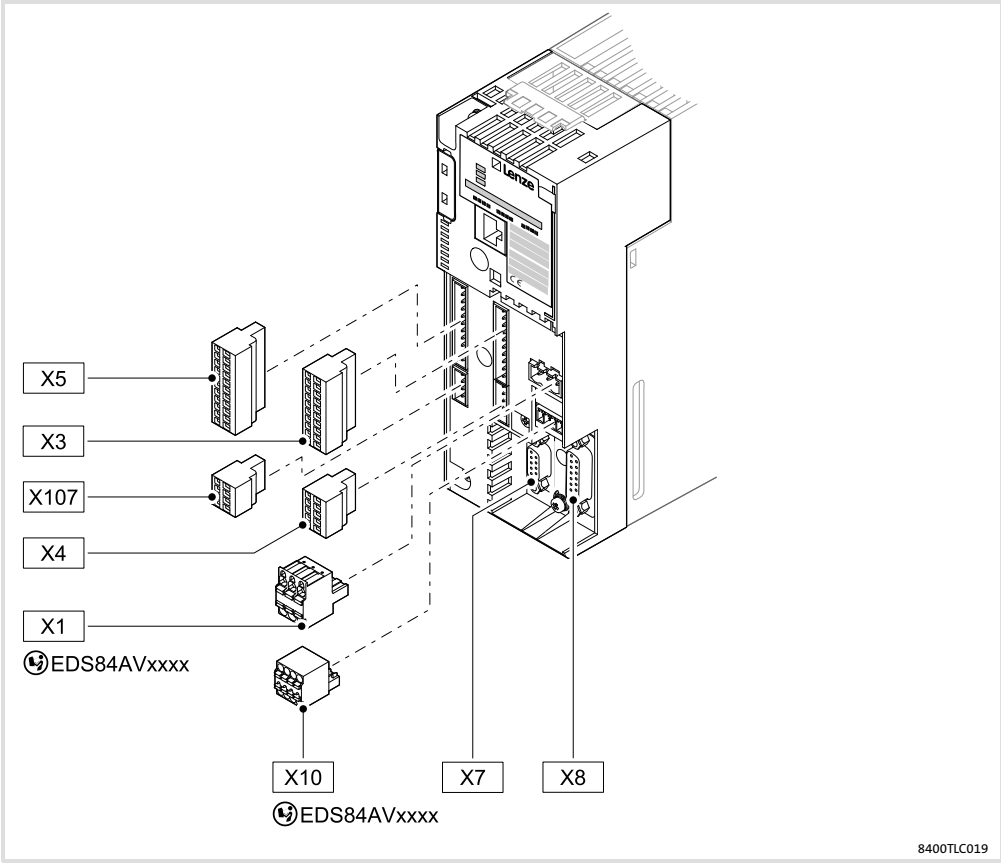
X107



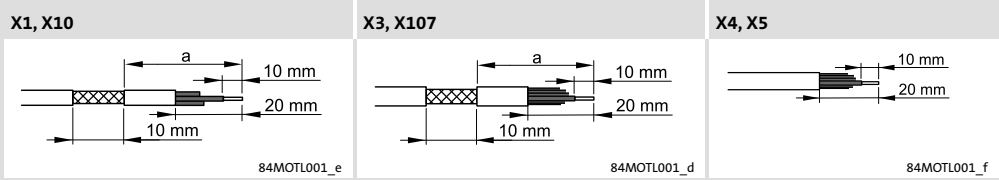
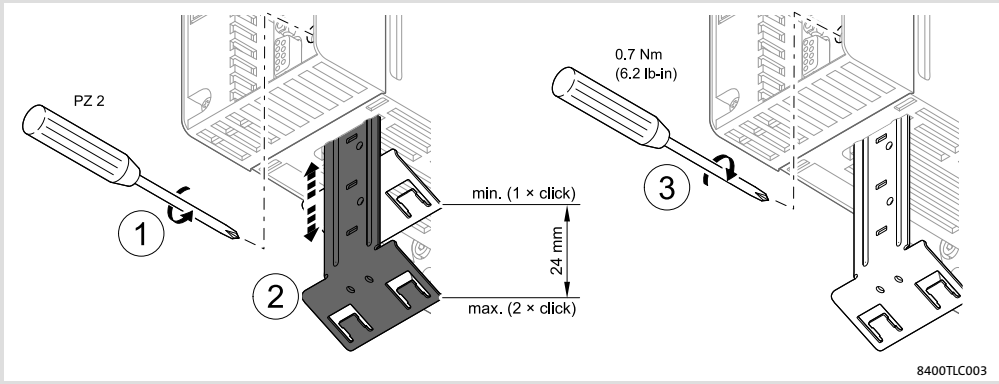
8400HLC037



8400HLC045

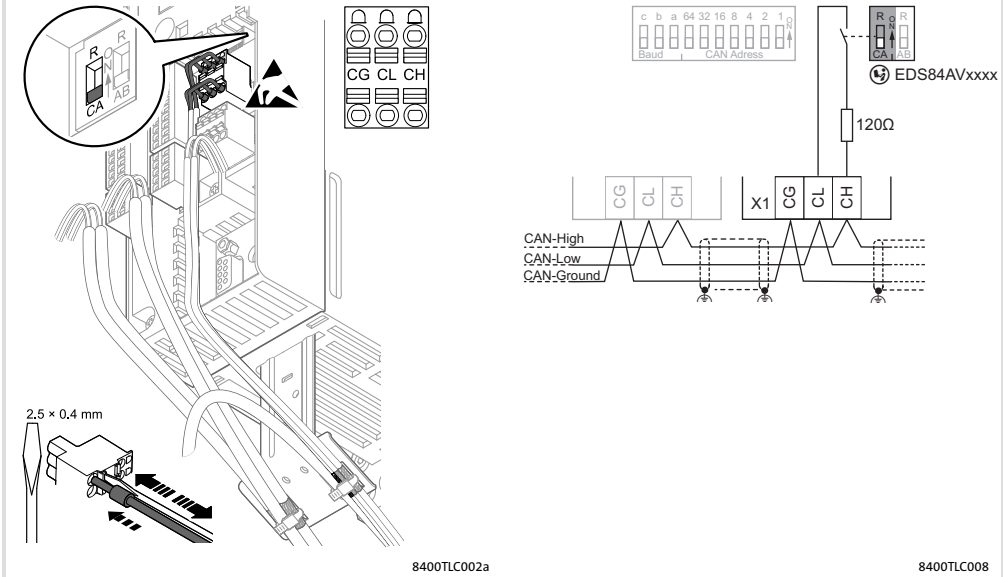


8400TLC019

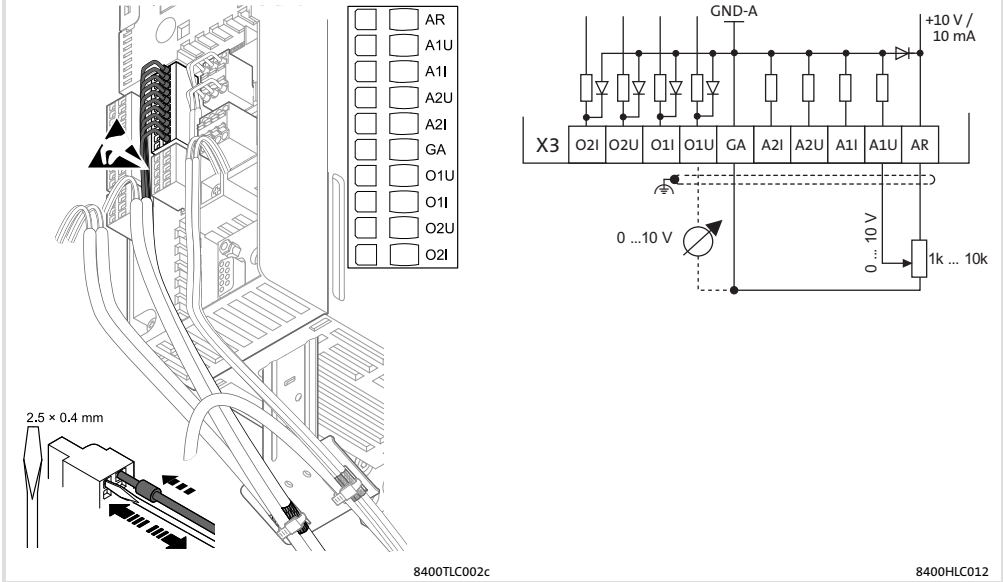


X1			X3			X4, X5	X10			X107		
												
min.	max.		min.	max.			min.	max.		min.	max.	
a [mm]	a [mm]	[mm ²] [AWG]	a [mm]	a [mm]	[mm ²] [AWG]	[mm ²] [AWG]	a [mm]	a [mm]	[mm ²] [AWG]	a [mm]	a [mm]	[mm ²] [AWG]
175	200	0.2 ... 1.5 24 ... 16	195	220	0.2 ... 1.5 24 ... 16	0.2 ... 1.5 24 ... 16	155	180	0.2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

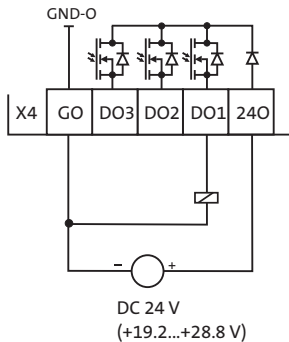
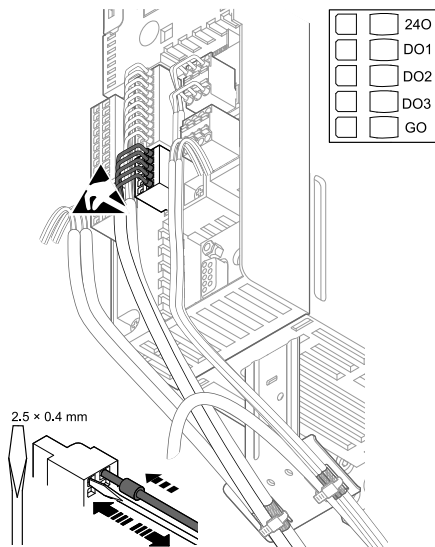
X1



X3



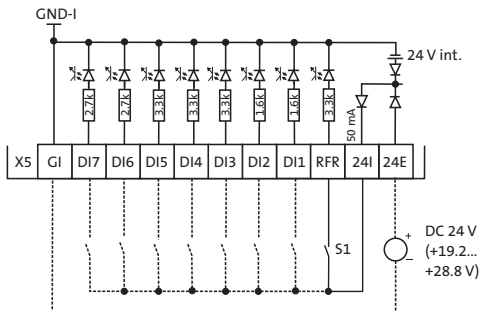
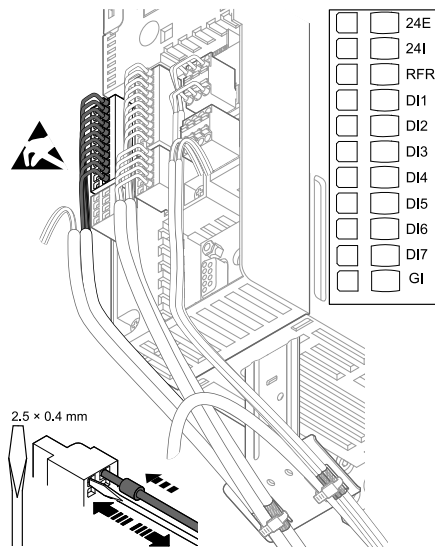
X4



8400TLC002e

8400HLC045

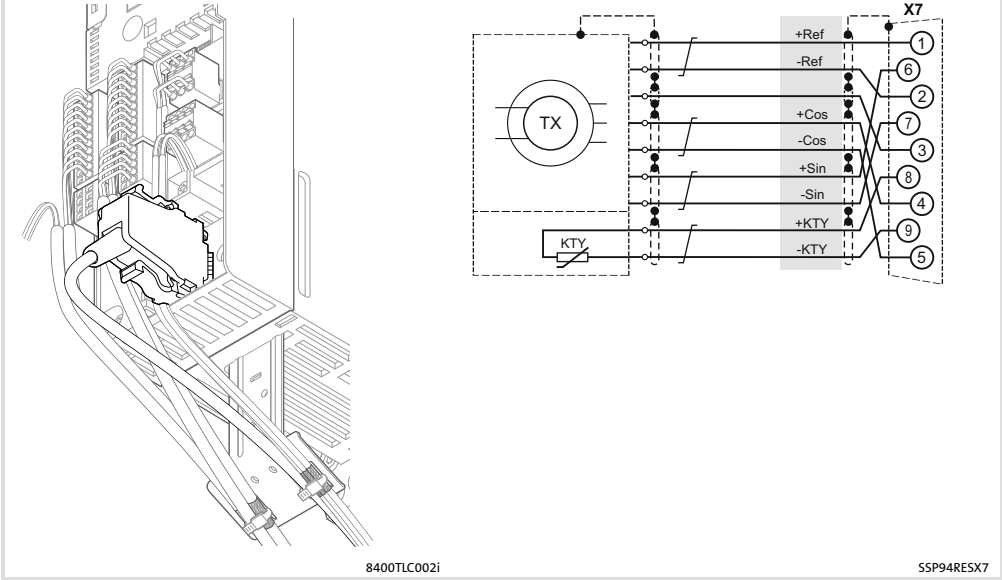
X5



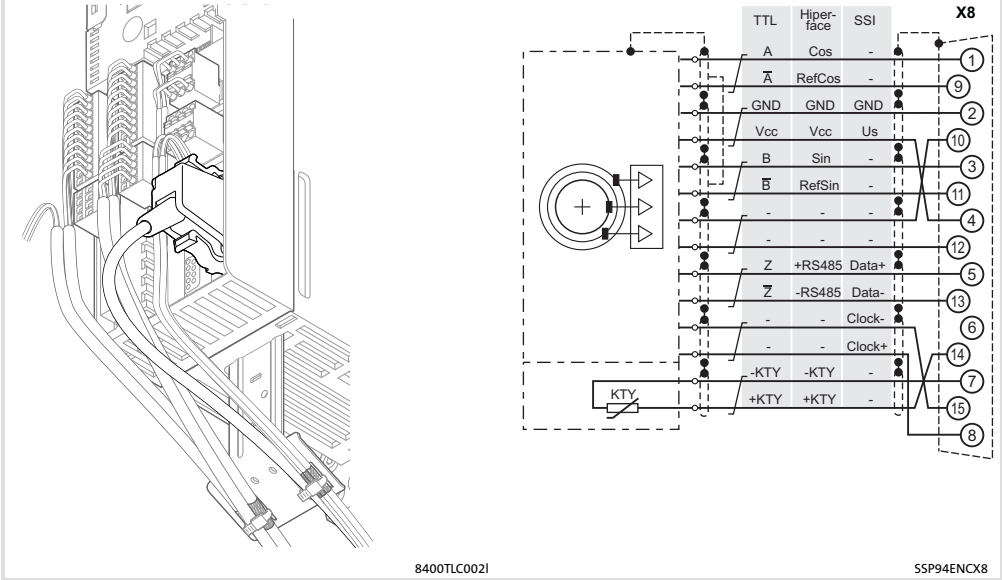
8400TLC002g

8400HLC045

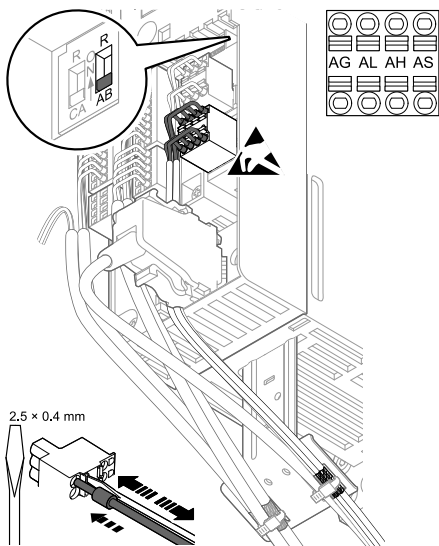
X7



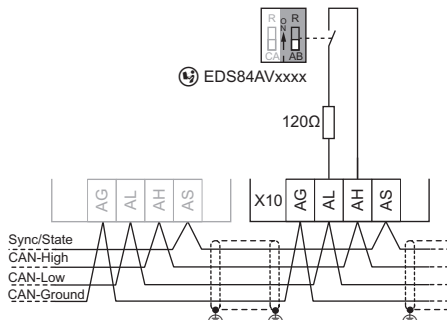
X8



X10

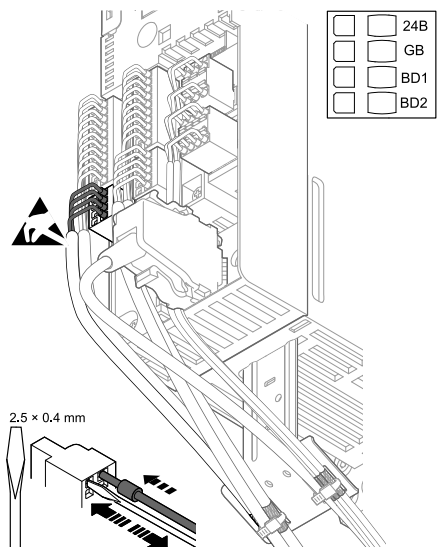


8400TLC002n

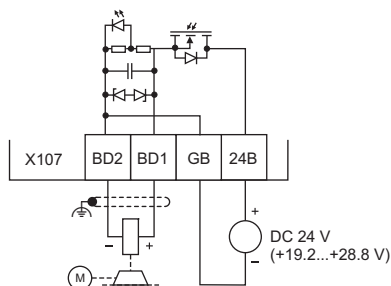


8400TLC009

X107



8400TLC002p



8400HLC045

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Lenze Drives GmbH
Postfach 10 13 52, 31763 Hameln
Breslauer Straße 3, 32699 Extertal
GERMANY
HR Lemgo B 6478



+49 5154 82-0



+49 5154 82-2800



sales.de@lenze.com



www.lenze.com

Service Lenze Service GmbH
Breslauer Straße 3, D-32699 Extertal

Germany



008000 2446877 (24 h helpline)



+49 5154 82-1112



service.de@lenze.com

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