

EDK84VTCE453
13406495



L-force *Drives*

Montageanleitung

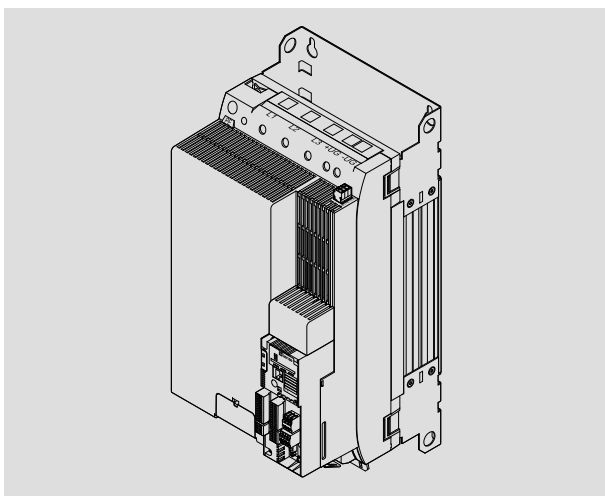
Mounting Instructions

Instructions de montage

Instrucciones para el montaje

Istruzioni per il montaggio

8400 *30 ... 45 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.

Veillez 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.

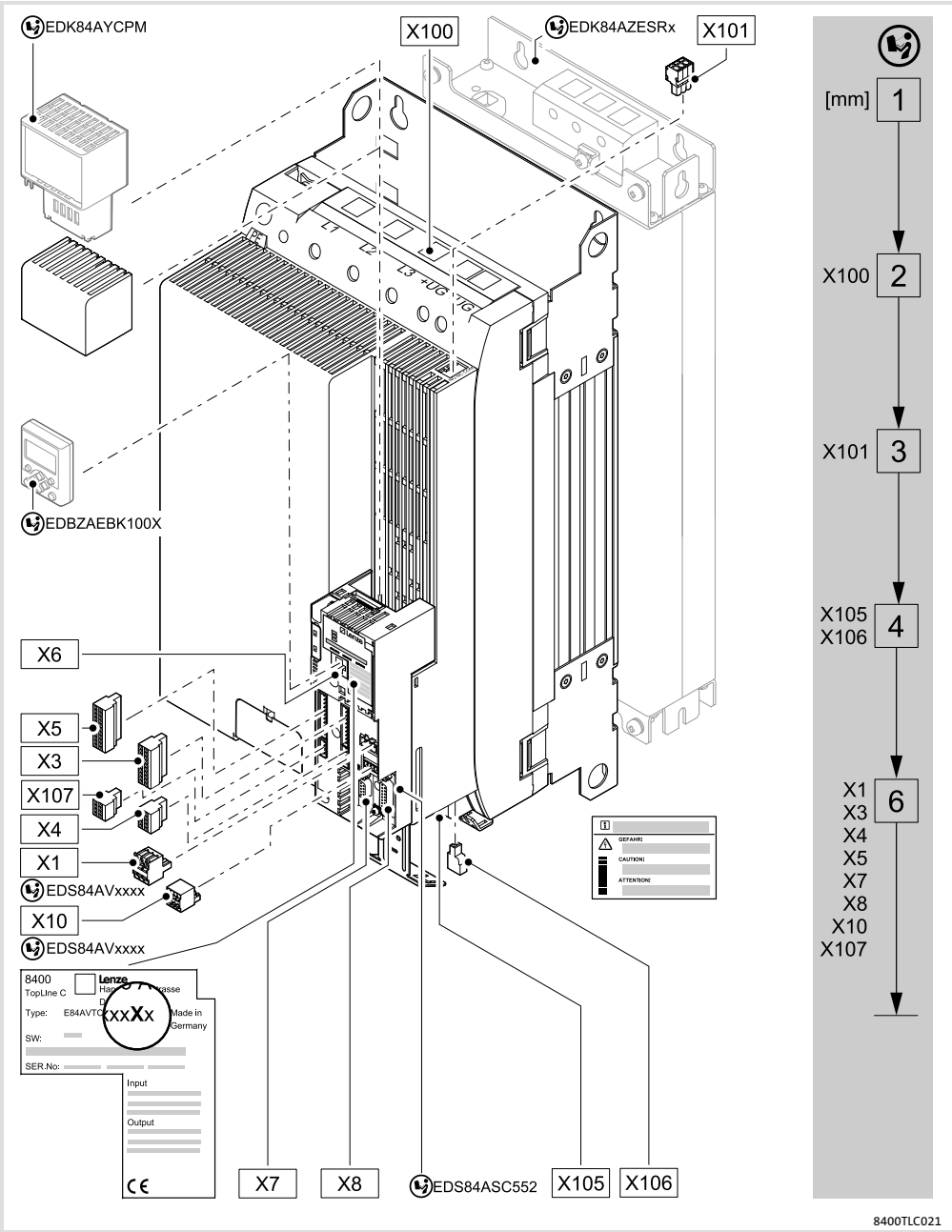
Possibili conseguenze:

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

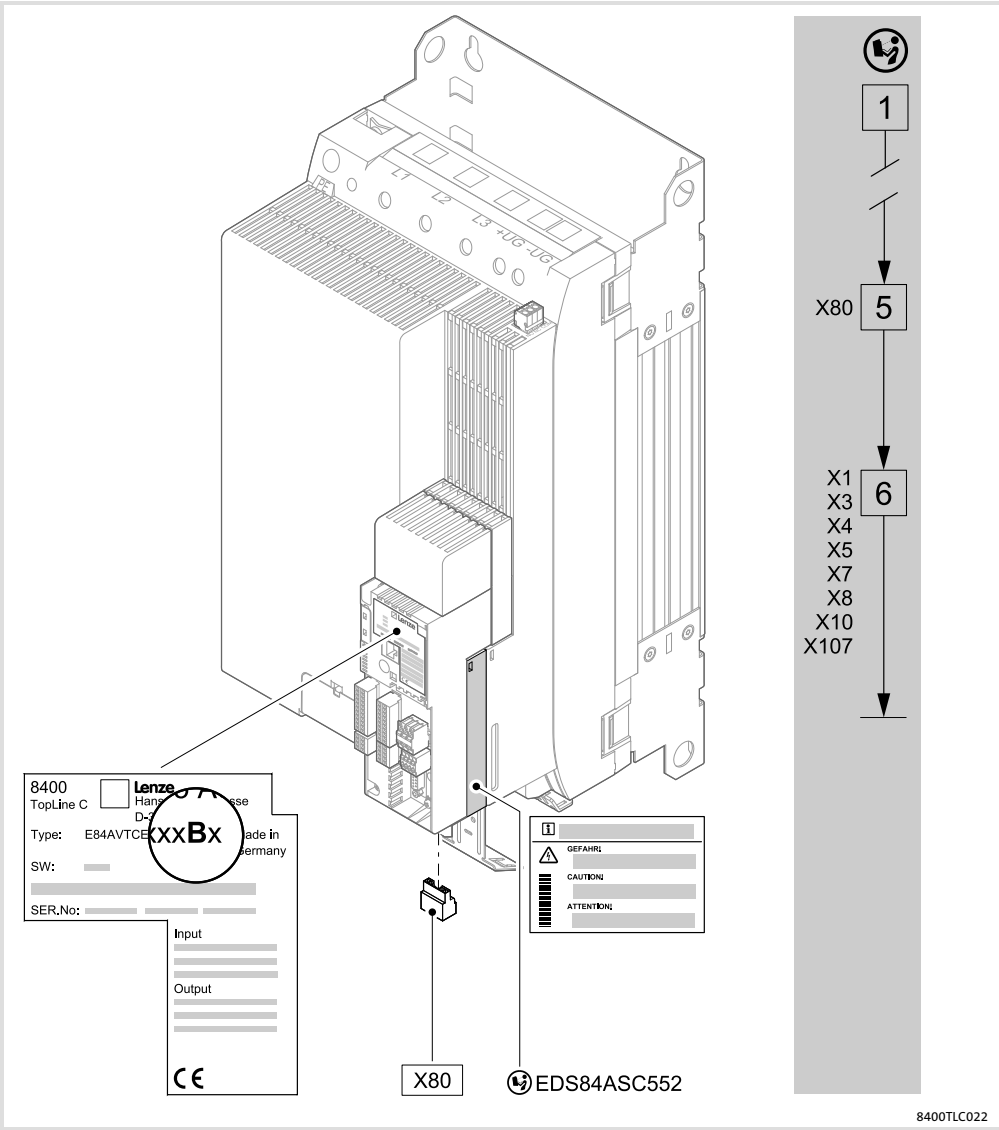
Misure di protezione:

- 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.

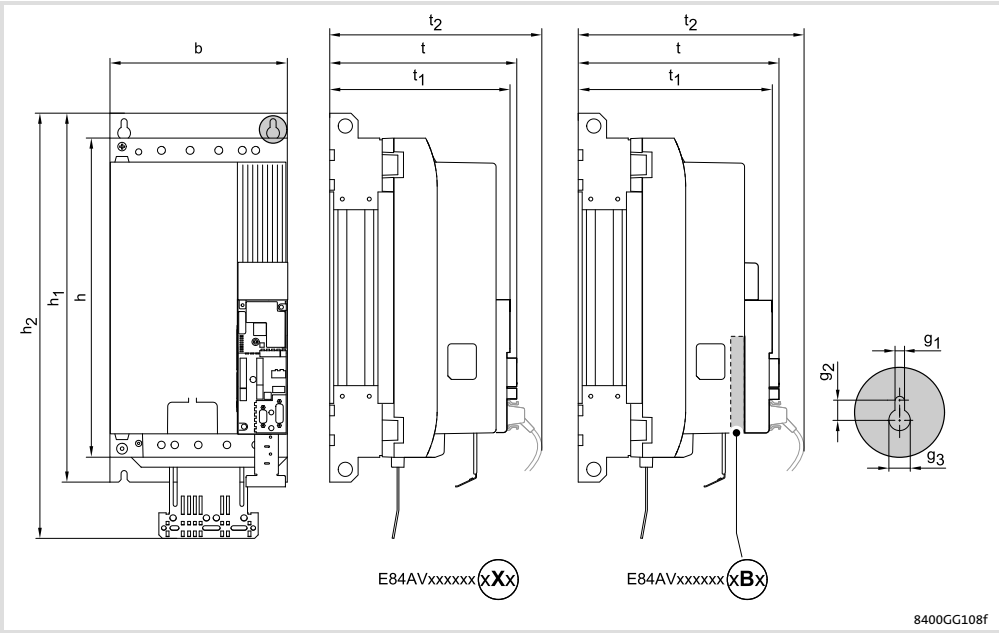
Osservare anche le ulteriori informazioni importanti relative a installazione e sicurezza incluse nel CD-ROM allegato!



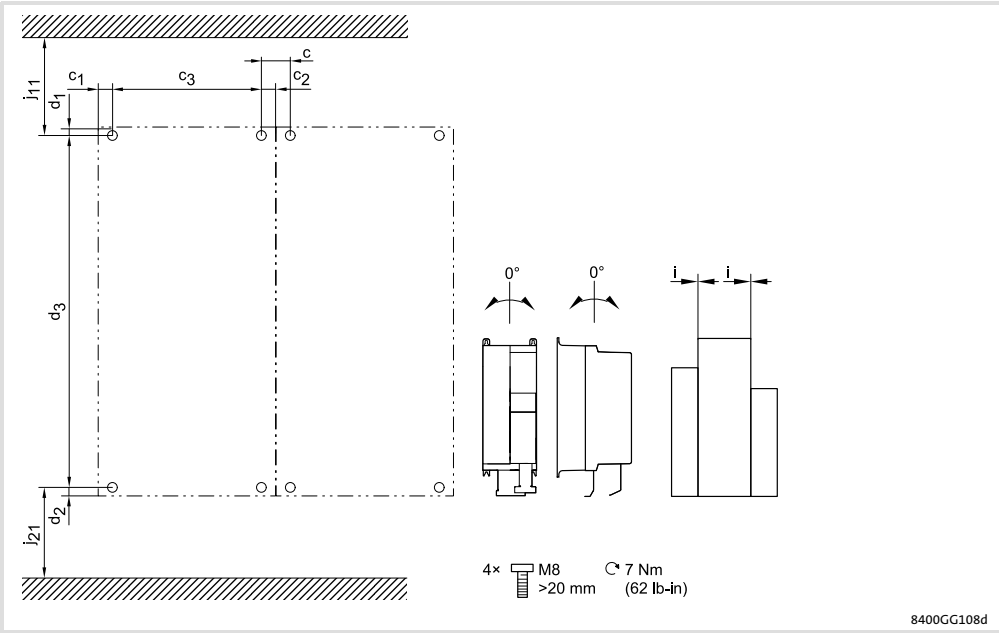
8400TLC021



8400TLC022

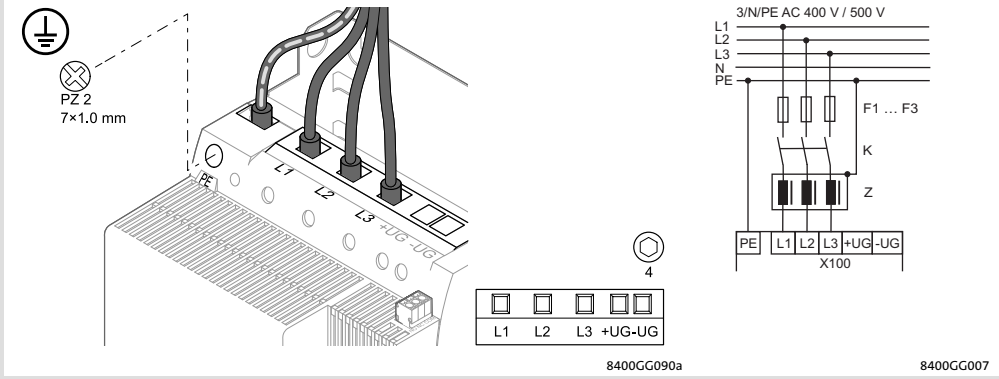


		h	b	t	h ₁	h ₂	t ₁	t ₂	g ₁	g ₂	g ₃
		[mm]									
	[kW]										
E84AVTCE3034xXx	30	450	250	265	520	636	252	291	8.5	16	18
E84AVTCE3734xXx	37										
E84AVTCE4534xXx	45										
E84AVTCE3034xBx	30	450	250	285	520	636	272	311	8.5	16	18
E84AVTCE3734xBx	37										
E84AVTCE4534xBx	45										

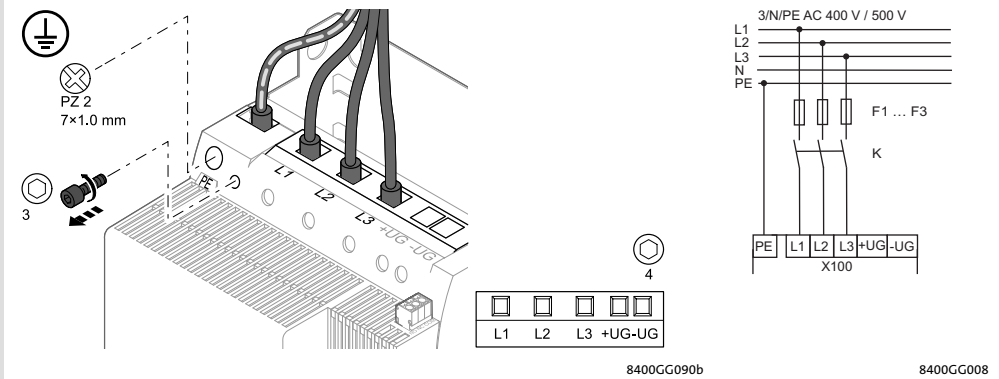


		d ₁	d ₂	d ₃	c	c ₁	c ₂	c ₃	i	j ₁₁	j ₂₁	
		[mm]										[kg]
	[kW]											
E84AVTCE3034xXx	30	8	12	500	40	20	20	210	0	> 95	> 120	17.4
E84AVTCE3734xXx	37											
E84AVTCE4534xXx	45											
E84AVTCE3034xBx	30	8	12	500	40	20	20	210	0	> 95	> 120	17.5
E84AVTCE3734xBx	37											
E84AVTCE4534xBx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

X100 - TN, TT

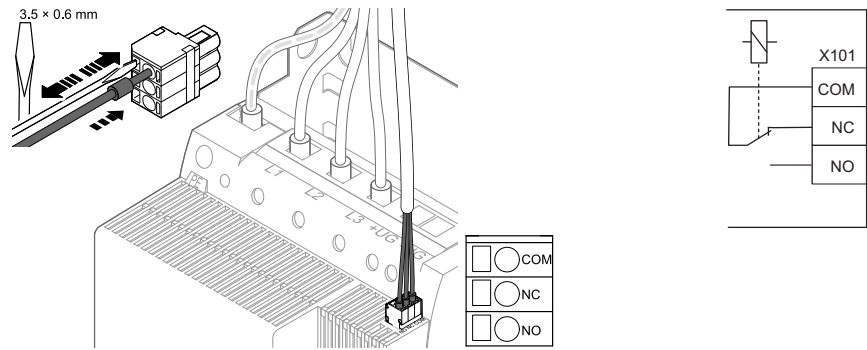


X100 - IT



	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	-	-	-	-						

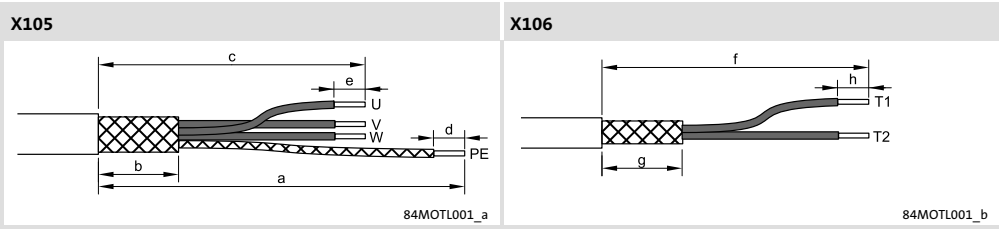
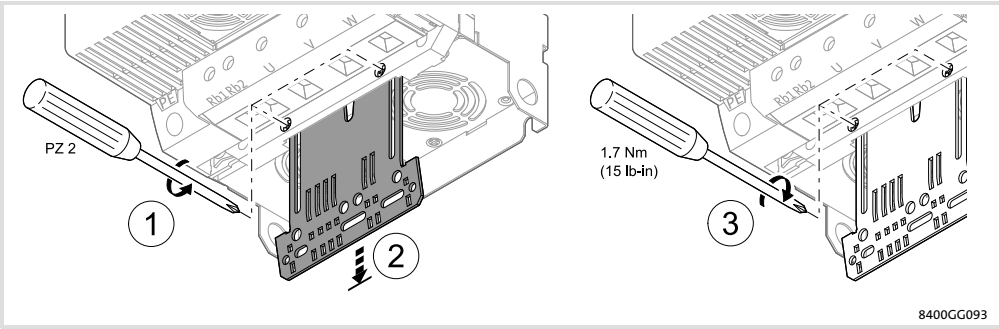
X101



8400GG090c

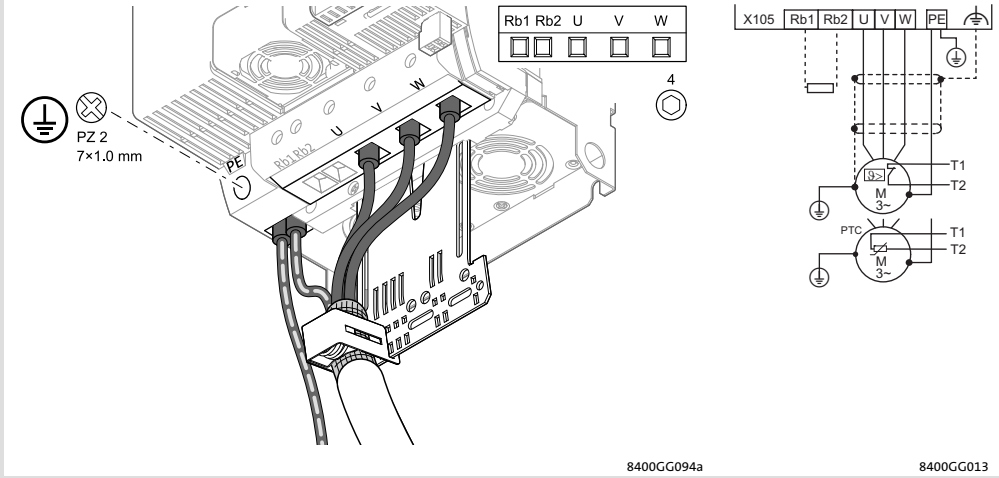
8400GG010

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

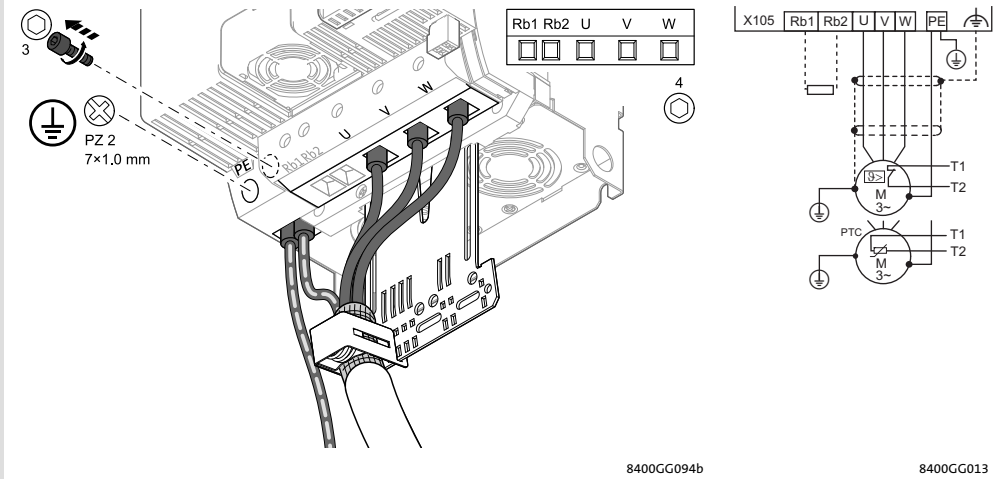


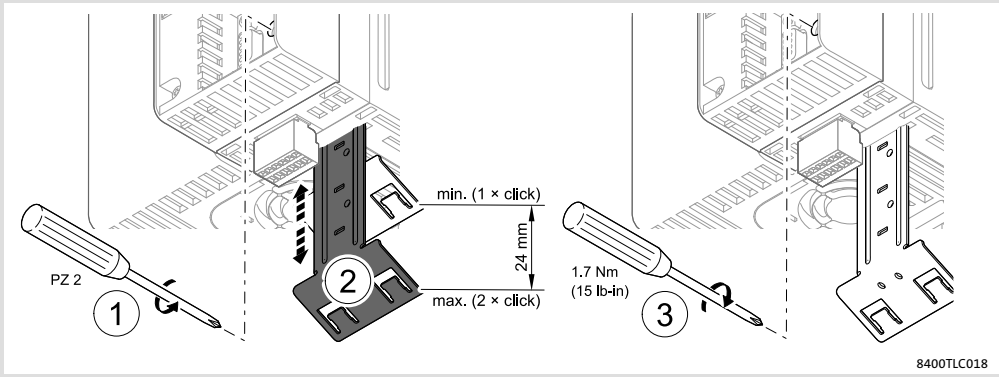
	U, V, W					PE				T1, T2			
	b	c	e			a	d			f	g	h	
	[mm]			[mm²] [AWG]	[Nm] [lb-in]	[mm]		[mm²] [AWG]	[Nm] [lb-in]	[mm]			[mm²] [AWG]
E84AVTCE3034 E84AVTCE3734 E84AVTCE4534	40	190	24	16 ... 50 6 ... 0	4.0 35	250	16	2.5 ... 25 12 ... 2	4.0 35	240	40	10	0.2 ... 1.5 24 ... 16

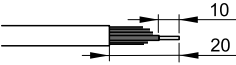
X105 - TN, TT



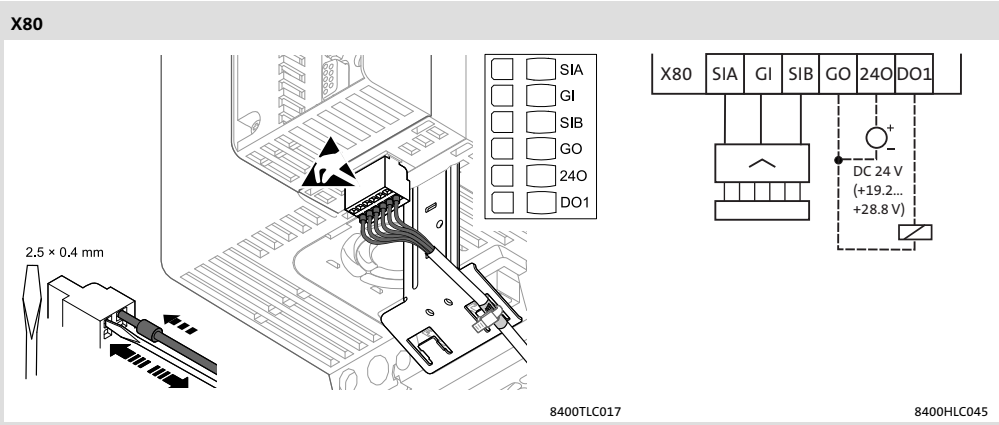
X105 - IT

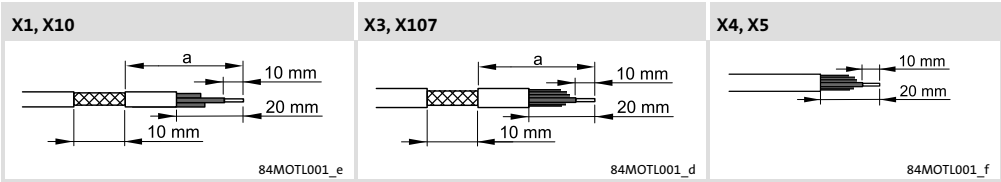
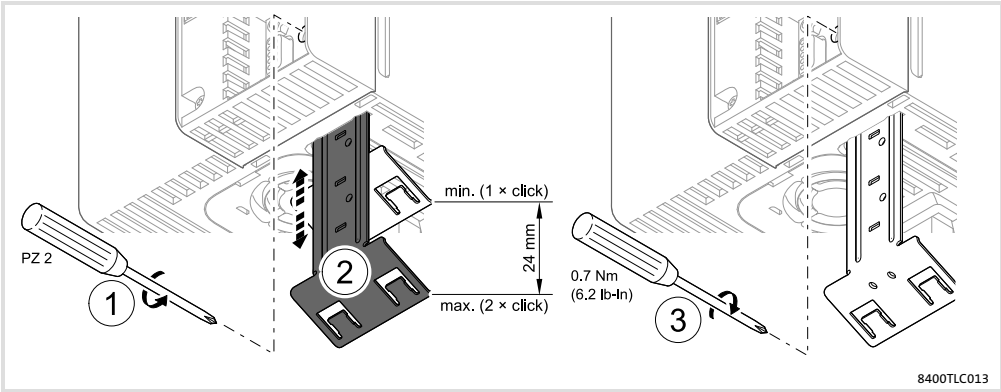




	
[mm]	[mm ²] [AWG]
	0.2 ... 1.5 24 ... 16

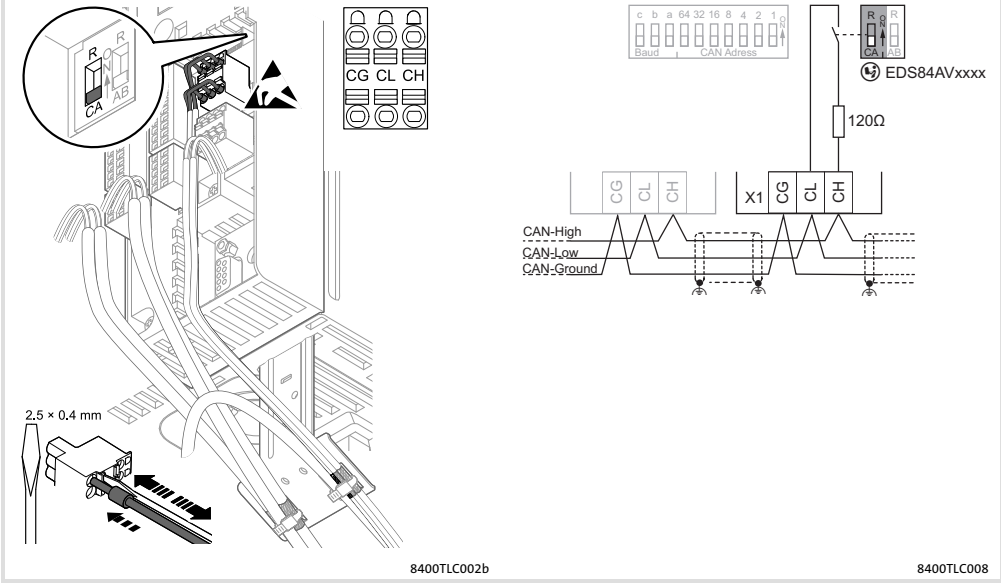
84MOTL001_g



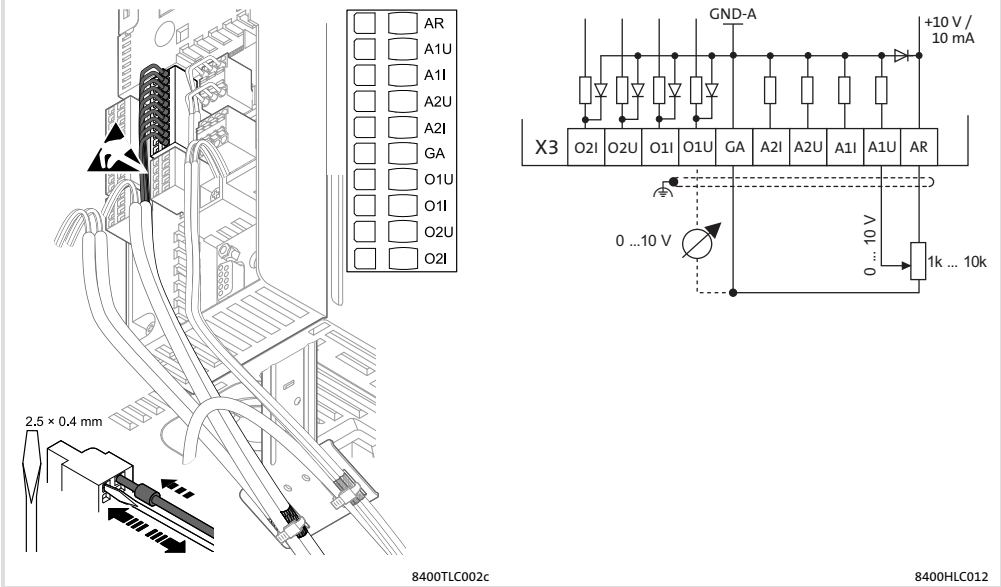


X1			X3			X4, X5			X10			X107		
min.	max.		min.	max.					min.	max.		min.	max.	
a	a	[mm ²] [AWG]	a	a	[mm ²] [AWG]	[mm ²] [AWG]	[mm ²] [AWG]		a	a	[mm ²] [AWG]	a	a	[mm ²] [AWG]
175	200	0.2 ... 1.5 24 ... 16	195	220	0.2 ... 1.5 24 ... 16	0.2 ... 1.5 24 ... 16	0.2 ... 1.5 24 ... 16		155	180	0.2 ... 1.5 24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

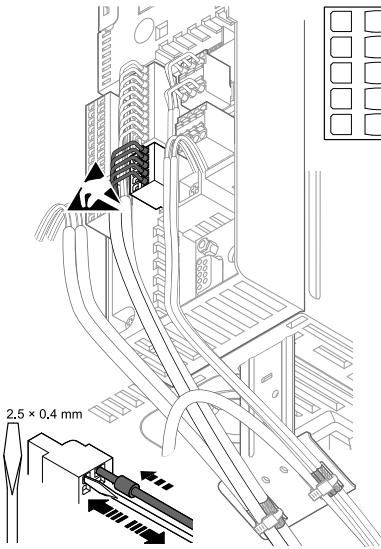
X1



X3

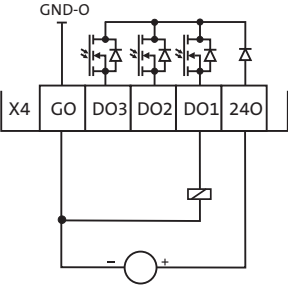


X4



	24O
	DO1
	DO2
	DO3
	GO

2.5 x 0.4 mm

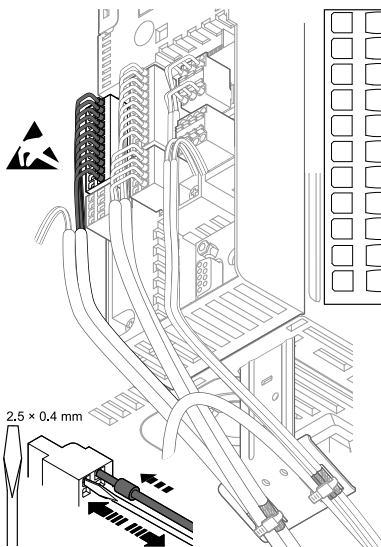


DC 24 V
(+19.2...+28.8 V)

8400TLC002f

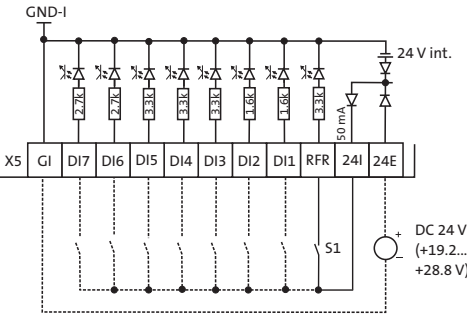
8400HLC045

X5



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

2.5 x 0.4 mm

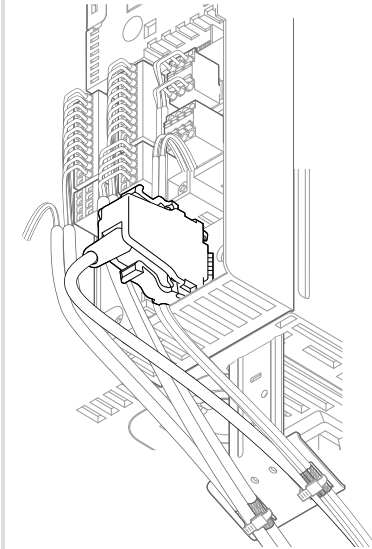


DC 24 V
(+19.2...+28.8 V)

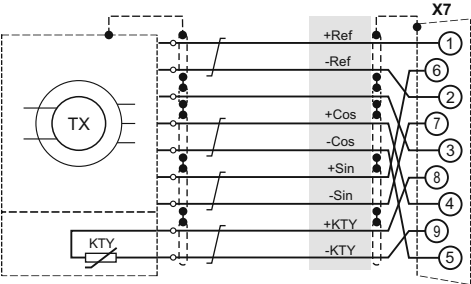
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8400HLC045

X7

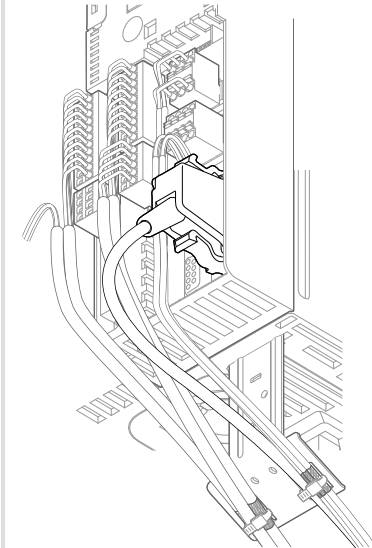


8400TLC002k

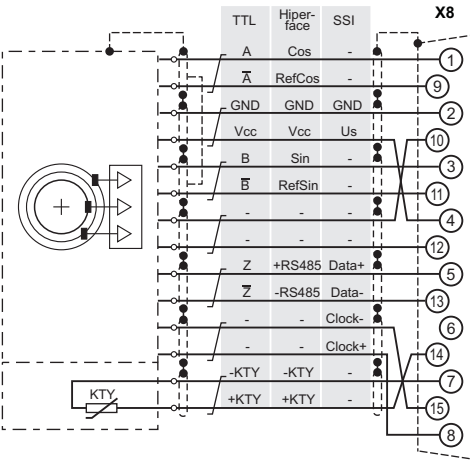


SSP94RESX7

X8

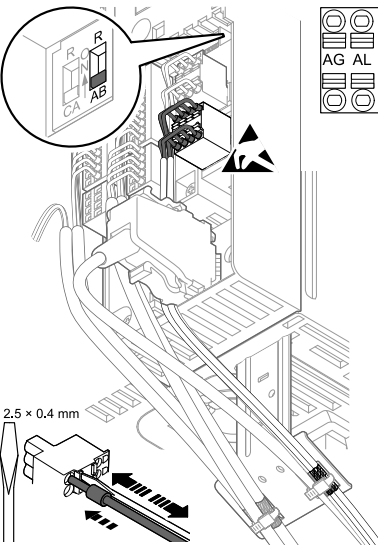


8400TLC002m



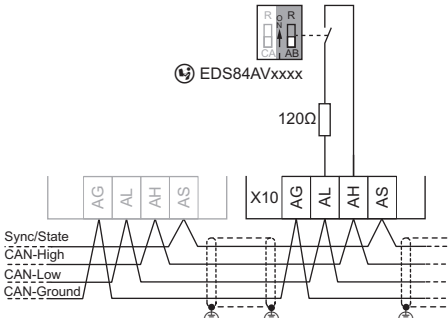
SSP94ENCX8

X10



2.5 × 0.4 mm

AG	AL	AH	AS
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EDS84AVxxxx

120Ω

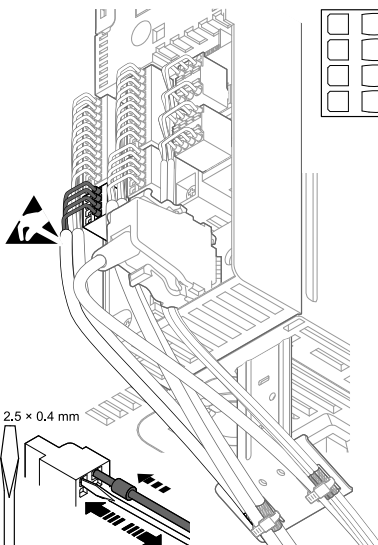
AG AL AH AS

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

8400TLC002o

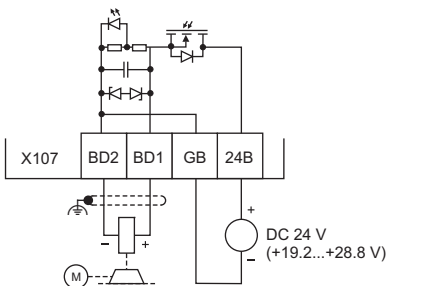
8400TLC009

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

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