

EDK84VTCE453
13406495



L-force *Drives*

Montageanleitung

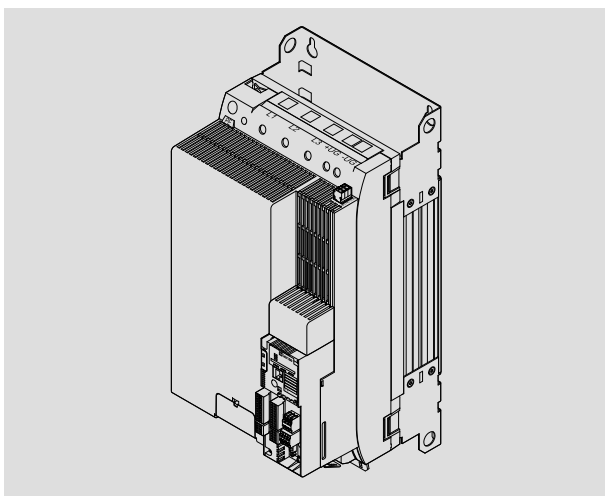
Mounting Instructions

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.

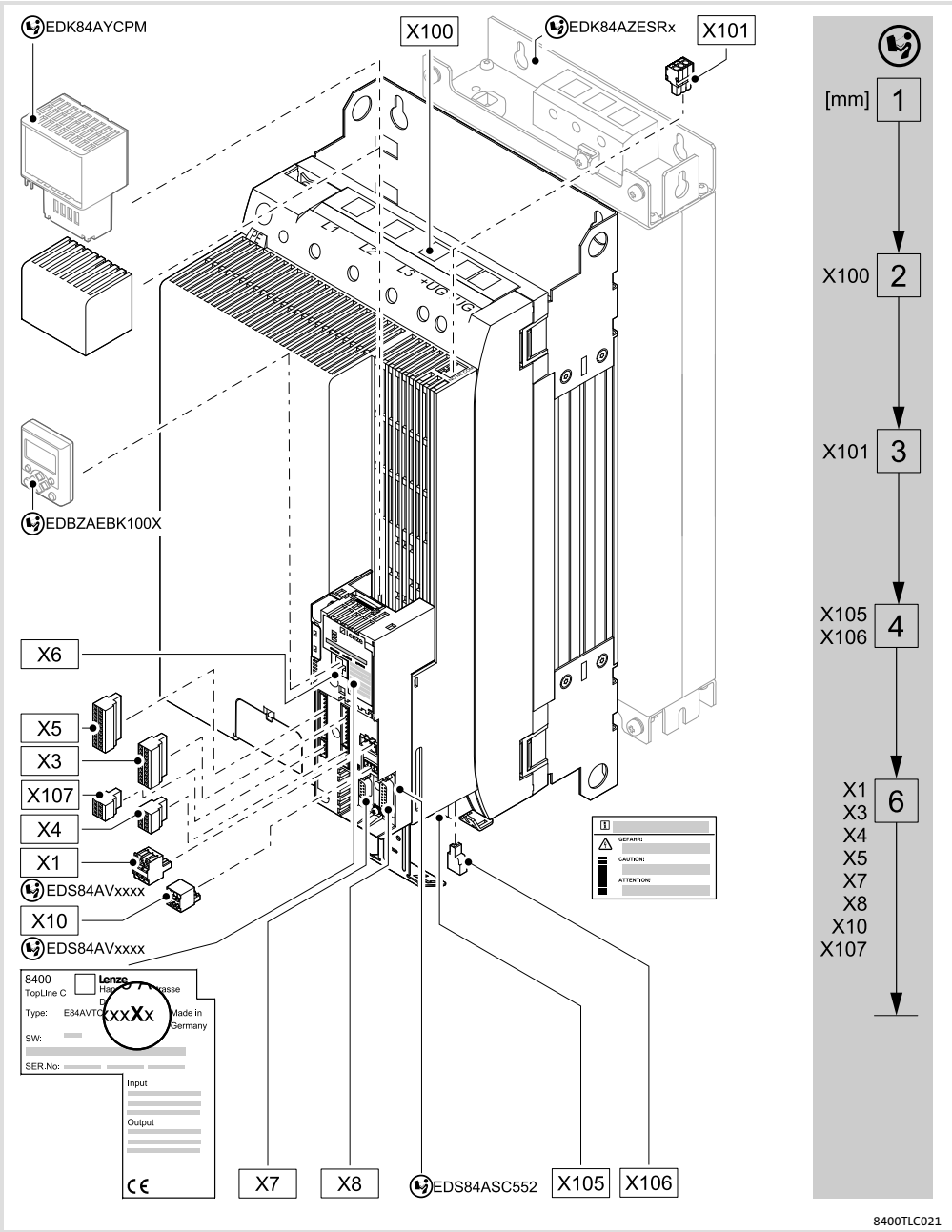
Possibili conseguenze:

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

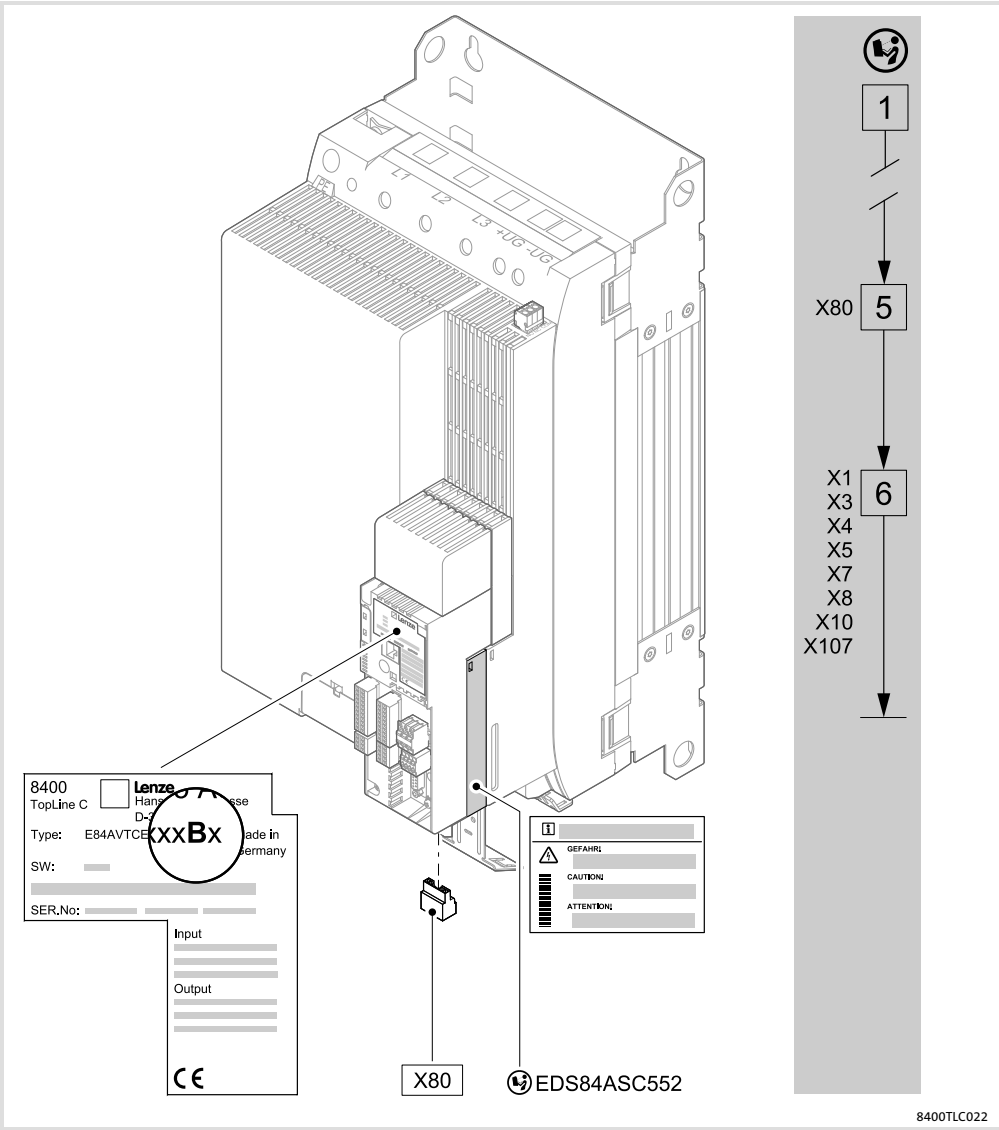
Misure di protezione:

- 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.

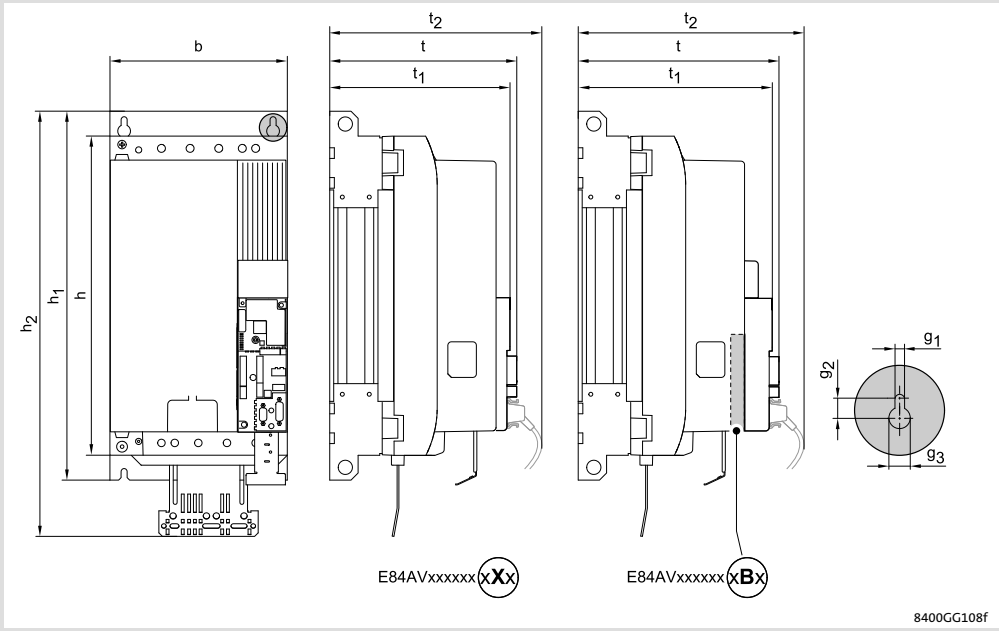
Osservare anche le ulteriori informazioni importanti relative a installazione e sicurezza incluse nel CD-ROM allegato!



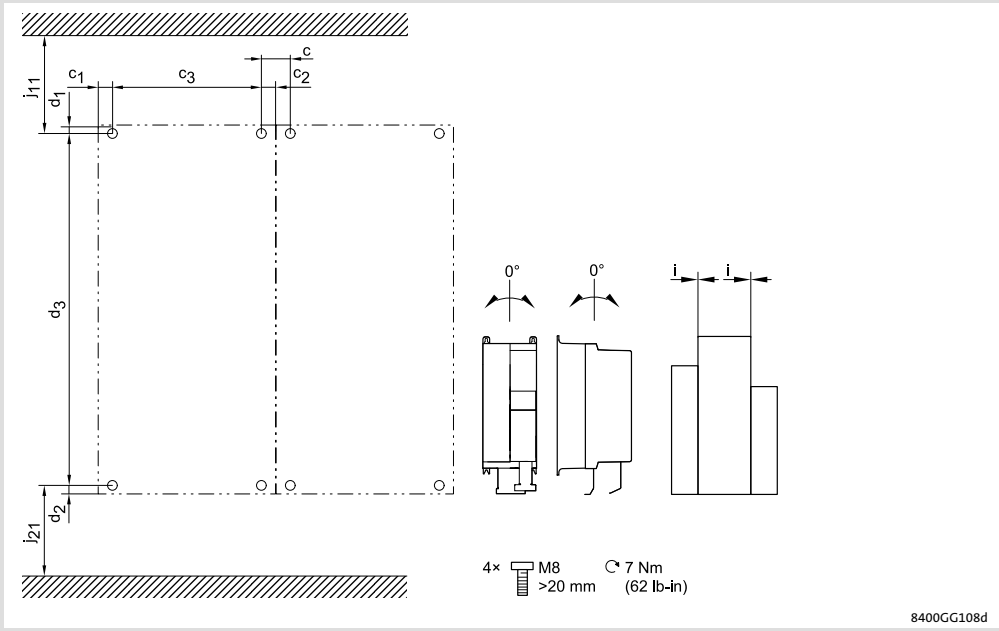
8400TLC021



8400TLC022

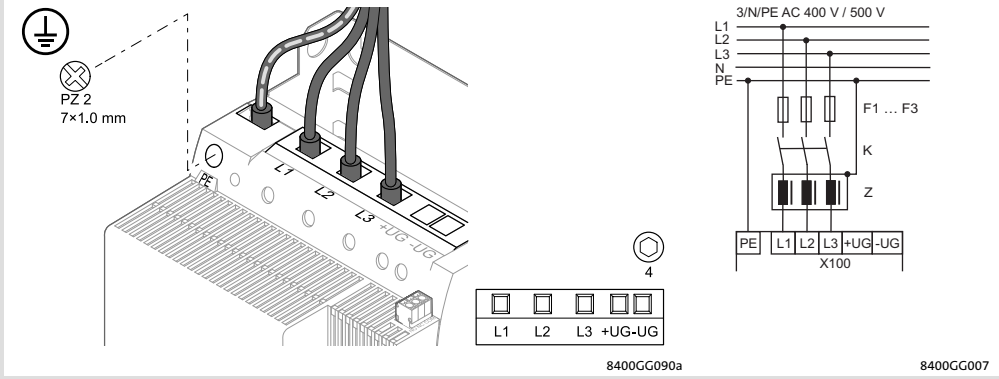


		h	b	t	h ₁	h ₂	t ₁	t ₂	g ₁	g ₂	g ₃
[kW]		[mm]									
E84AVTCE3034xXx	30	450	250	265	520	636	252	291	8.5	16	18
E84AVTCE3734xXx	37										
E84AVTCE4534xXx	45										
E84AVTCE3034xBx	30	450	250	285	520	636	272	311	8.5	16	18
E84AVTCE3734xBx	37										
E84AVTCE4534xBx	45										

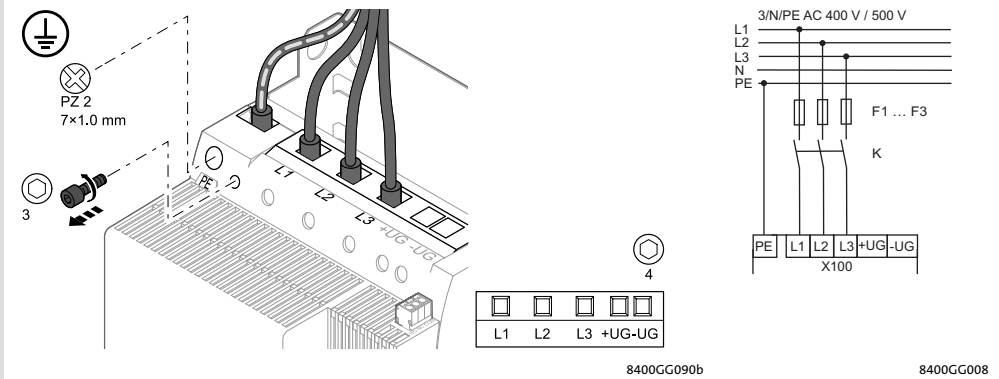


		d ₁	d ₂	d ₃	c	c ₁	c ₂	c ₃	i	j ₁₁	j ₂₁	
		[mm]										[kg]
	[kW]											
E84AVTCE3034xXx	30	8	12	500	40	20	20	210	0	> 95	> 120	17.4
E84AVTCE3734xXx	37											
E84AVTCE4534xXx	45											
E84AVTCE3034xBx	30	8	12	500	40	20	20	210	0	> 95	> 120	17.5
E84AVTCE3734xBx	37											
E84AVTCE4534xBx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

X100 - TN, TT



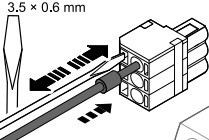
X100 - IT

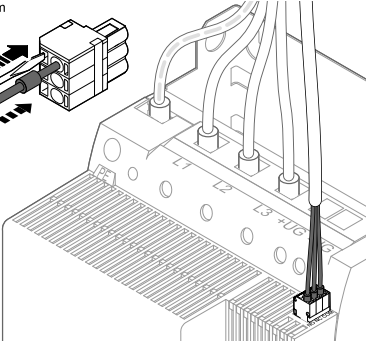


	F						L1, L2, L3			PE		
	EN 60204				UL							
	[A]		[A]		[A]	[A]	[mm²] [AWG]	[mm]	[Nm] [lb-in]	[mm²] [AWG]	[mm]	[Nm] [lb-in]
E84AVTCE3034	80	C80	-	-	-	-	16 ... 50 6 ... 0	24	4.0 35	2.5 ... 25 12 ... 2	16	4.0 35
E84AVTCE3734	100	C100	-	-	-	-						
E84AVTCE4534	125	C125	-	-	-	-						

X101

3.5 × 0.6 mm





COM

NC

NO

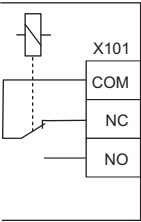


X101

COM

NC

NO



8400GG090c

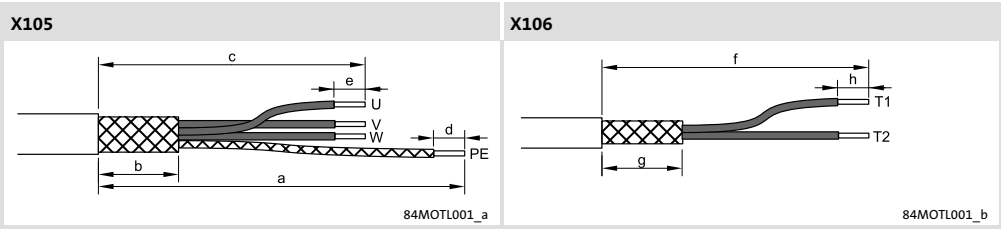
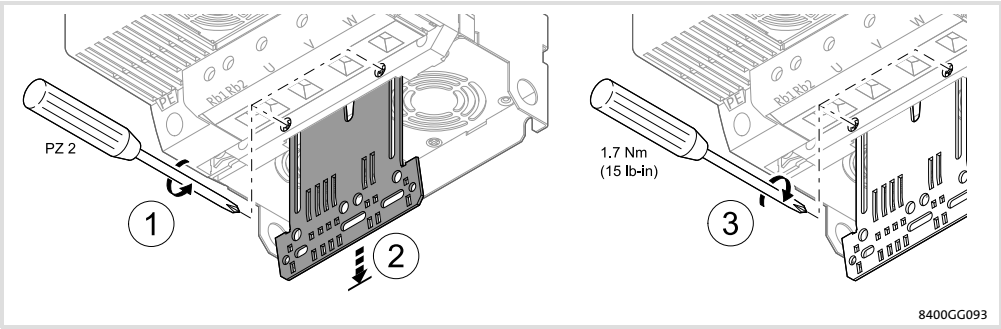
8400GG010

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

EDK84VTCE453 DE/EN/FR/ES/IT 2.3

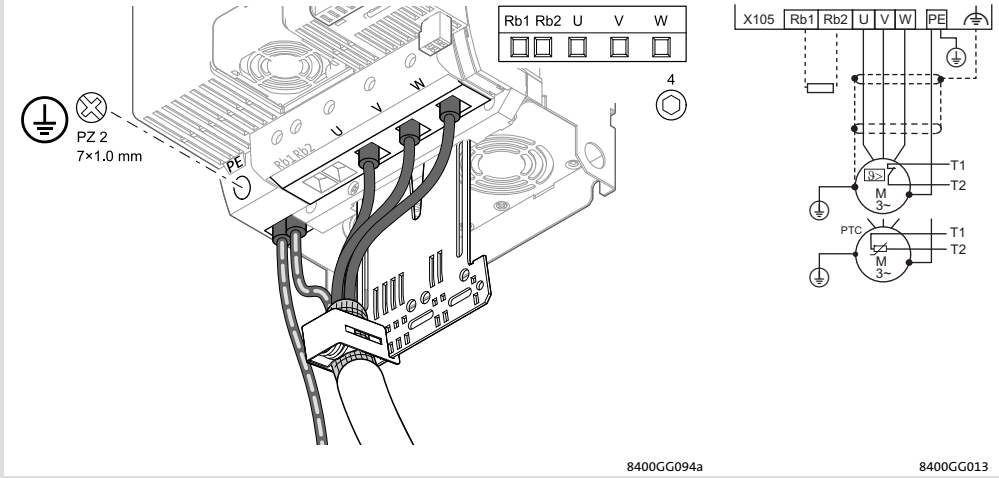
10

Lenze

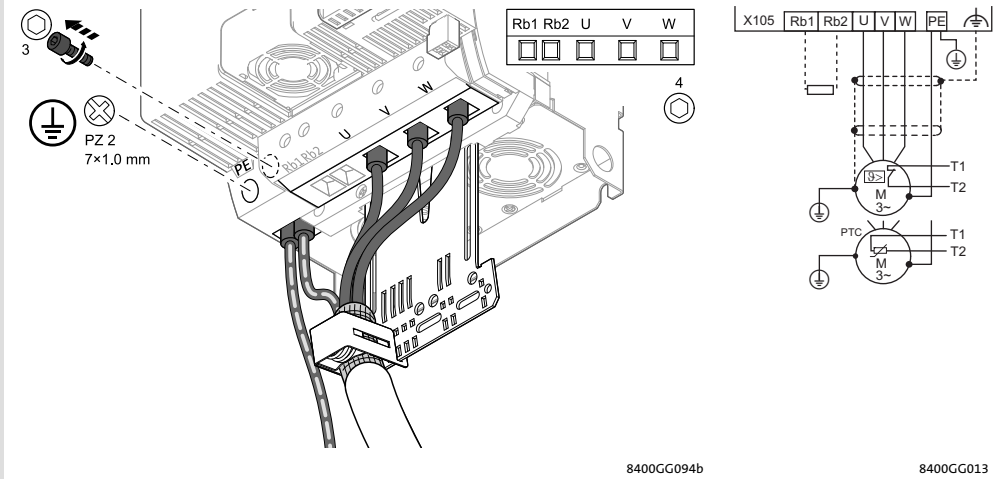


	U, V, W					PE				T1, T2			
	b	c	e			a	d			f	g	h	
	[mm]			[mm²] [AWG]	[Nm] [lb-in]	[mm]		[mm²] [AWG]	[Nm] [lb-in]	[mm]			[mm²] [AWG]
E84AVTCE3034	40	190	24	16 ... 50	4.0	250	16	2.5 ... 25	4.0	240	40	10	0.2 ... 1.5
E84AVTCE3734				6 ... 0	35			12 ... 2	35				24 ... 16
E84AVTCE4534													

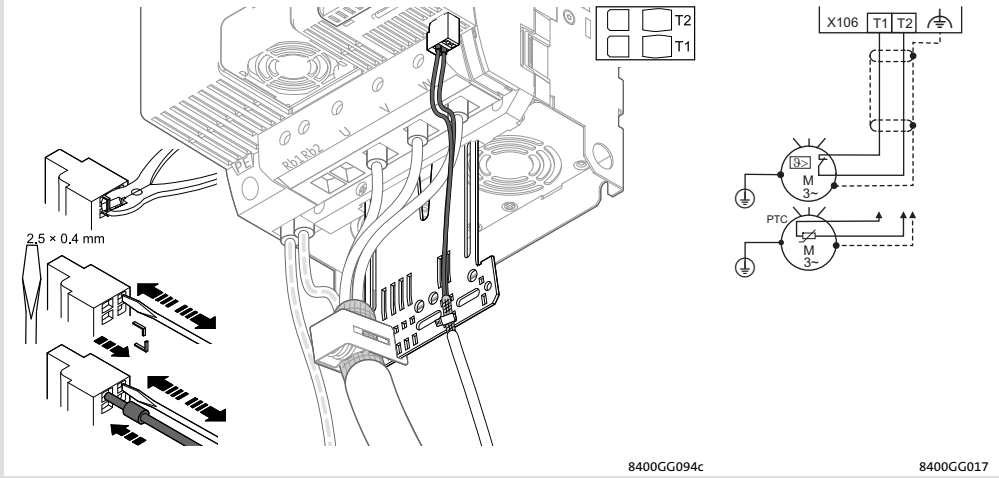
X105 - TN, TT

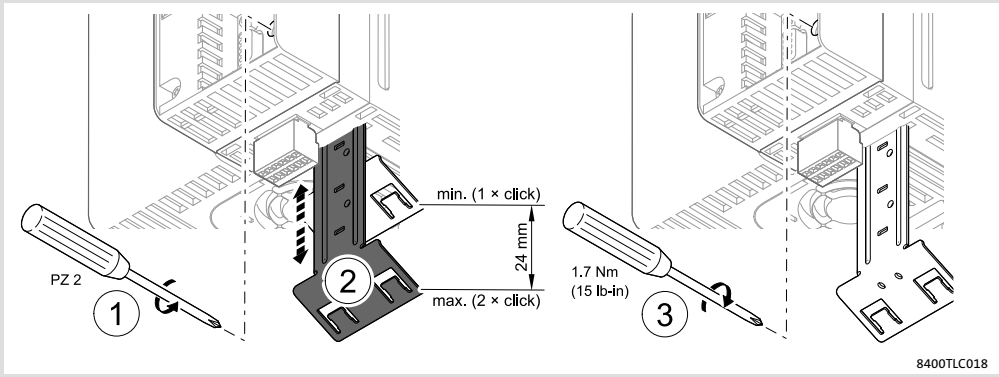


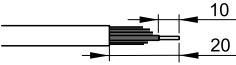
X105 - IT



X106

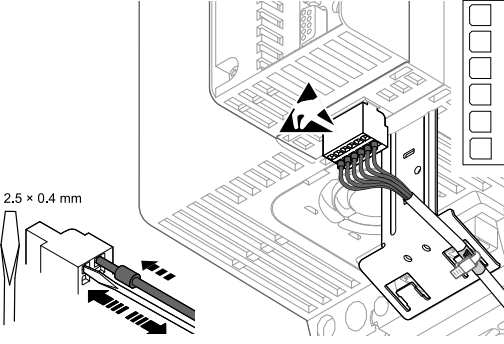




	
[mm]	[mm ²] [AWG]
	0.2 ... 1.5 24 ... 16

84MOTL001_g

X80



2.5 x 0.4 mm

SIA
GI
SIB
GO
24O
DO1

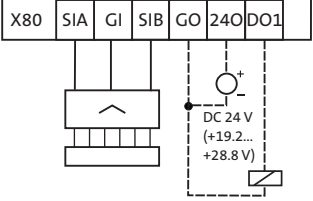


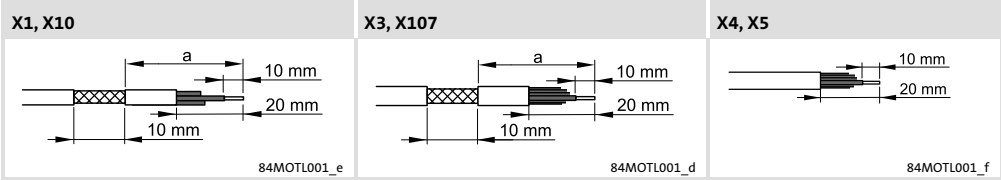
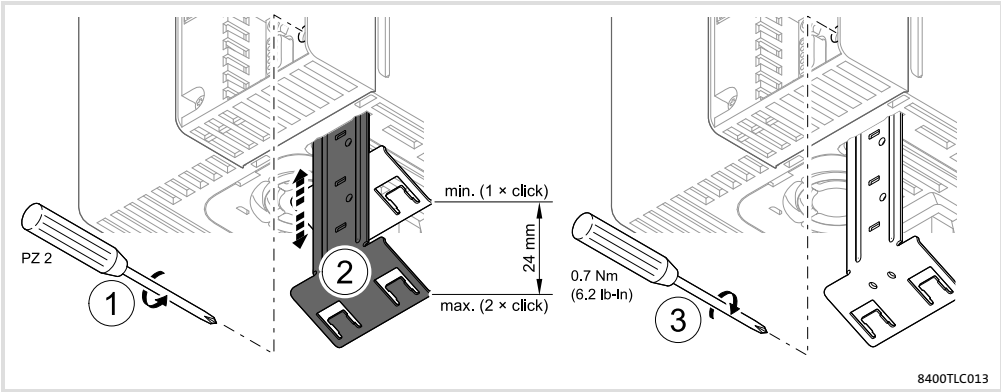
Diagram illustrating the wiring connections for the X80 terminal block:

- Terminal X80: Connected to a power source.
- Terminal SIA: Connected to a power source.
- Terminal GI: Connected to a power source.
- Terminal SIB: Connected to a power source.
- Terminal GO: Connected to a power source.
- Terminal 24O: Connected to a power source.
- Terminal DO1: Connected to a power source.

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

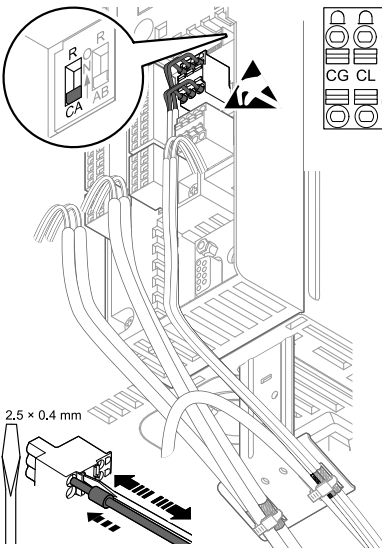
8400TLC017

8400HLC045

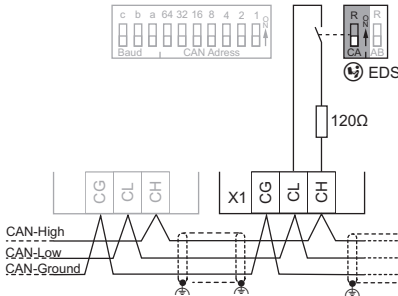


X1			X3			X4, X5			X10			X107		
min.	max.		min.	max.					min.	max.		min.	max.	
a	a	[mm ²] [AWG]	a	a	[mm ²] [AWG]	[mm ²] [AWG]	[mm ²] [AWG]		a	a	[mm ²] [AWG]	a	a	[mm ²] [AWG]
175	200	0.2 ... 1.5 24 ... 16	195	220	0.2 ... 1.5 24 ... 16	0.2 ... 1.5 24 ... 16	0.2 ... 1.5 24 ... 16		155	180	0.2 ... 1.5 24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

X1



CG	CL	CH	



EDS84AV/xxxx

120Ω

CAN-High

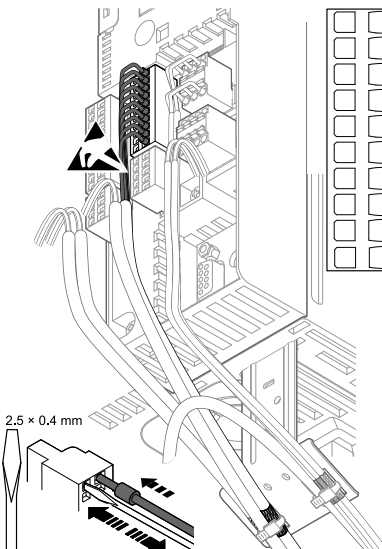
CAN-Low

CAN-Ground

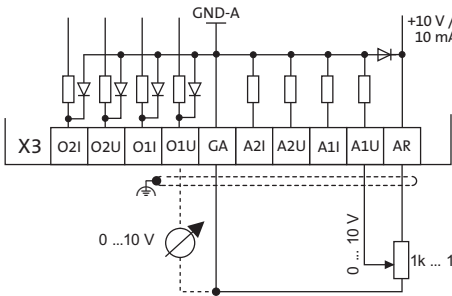
8400TLC002b

8400TLC008

X3



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

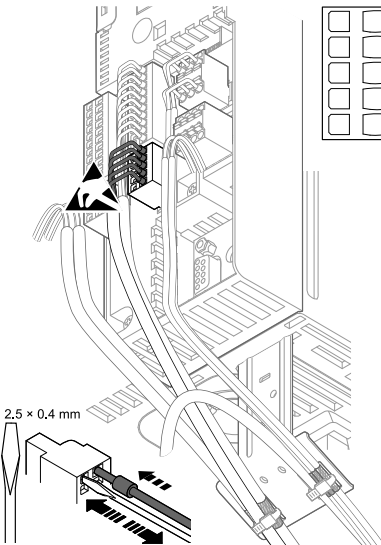
0 ... 10 V

1k ... 10k

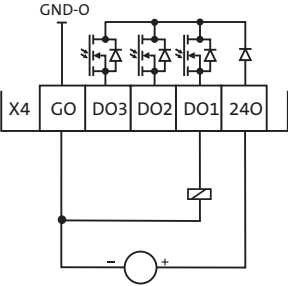
8400TLC002c

8400HLC012

X4



	24O
	DO1
	DO2
	DO3
	GO

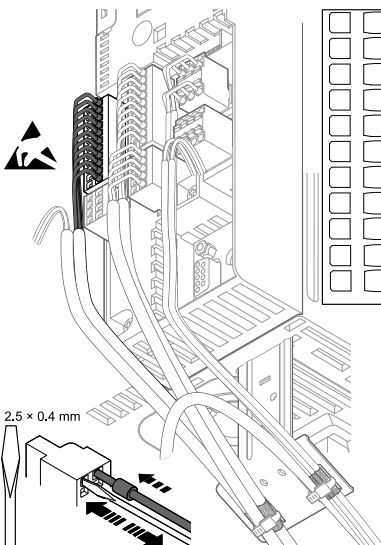


DC 24 V
(+19.2...+28.8 V)

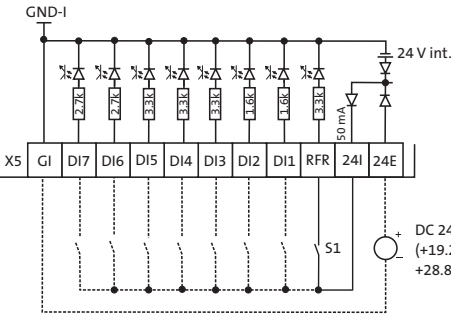
8400TLC002f

8400HLC045

X5



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

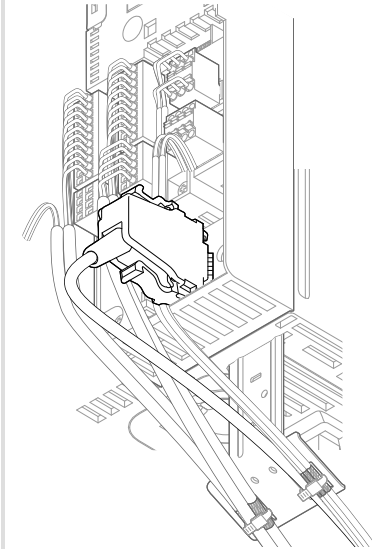


DC 24 V
(+19.2...+28.8 V)

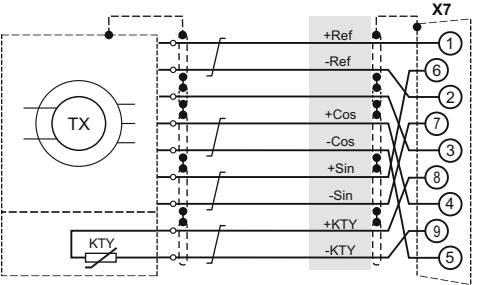
8400TLC002h

8400HLC045

X7

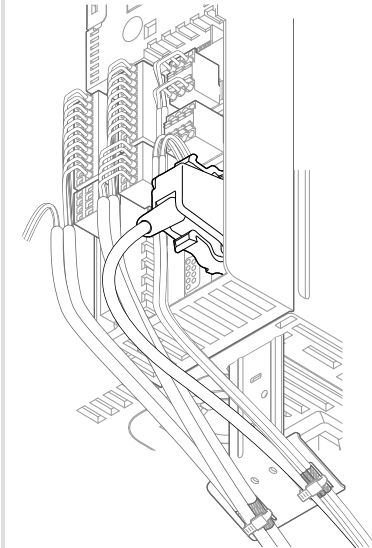


8400TLC002k

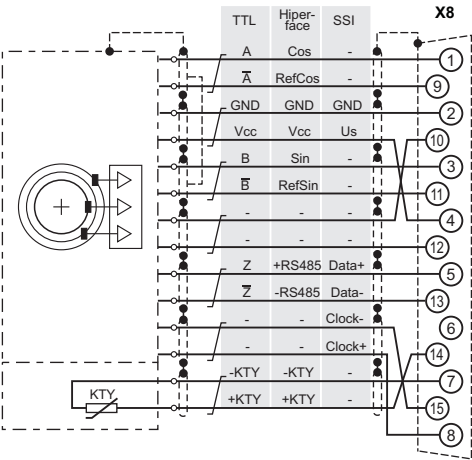


SSP94RESX7

X8

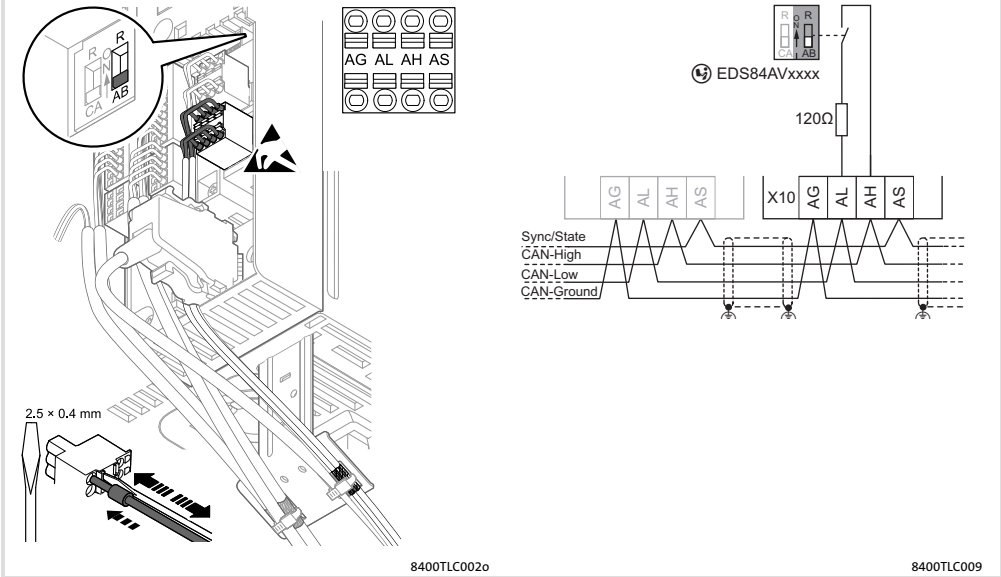


8400TLC002m

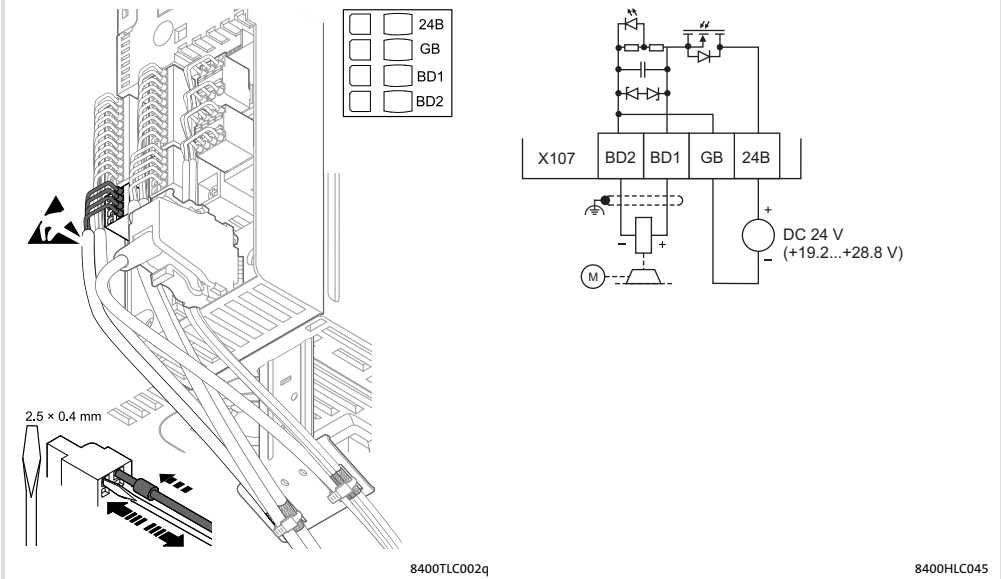


SSP94ENCX8

X10



X107





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