




Elektronischer Überstromauslöser LCD ETU
 Electronic Trip Unit LCD ETU
 Déclencheur électronique LCD
 Disparador por sobreintensidad electrónico LCD
 Sganciatore di sovracorrente elettronico LCD
 Disparador de sobrecorrente eletrônico LCD ETU
 Elektronik fazla akım rölesi LCD ETU
 Электронный расцепитель максимального тока LCD ETU
 电子式过电流断路器 LCD/ETU

U.S. Cat. No.
 CMT3A _____
 CMT3K _____
 CMT3G _____

For use with Frame MG
 Para usar con caja Base MG

Betriebsanleitung Operating Instructions Instructions de service Instructivo Istruzioni operative
 Instruções de Serviço İşletme kılavuzu Инструкция по эксплуатации 使用说明

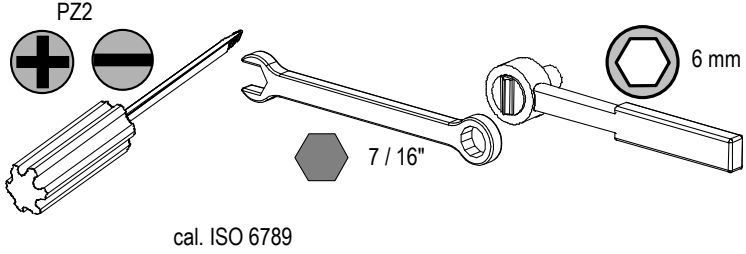
	Deutsch	English	Français
	Vor der Installation, dem Betrieb oder der Wartung des Geräts muss diese Anleitung gelesen und verstanden werden.	Read and understand these instructions before installing, operating, or maintaining the equipment.	Ne pas installer, utiliser ou intervenir sur cet équipement avant d'avoir lu et assimilé les présentes instructions et notamment les conseils de sécurité et mises en garde qui y figurent.
	⚠ GEFÄHR	⚠ DANGER	⚠ DANGER
	Gefährliche Spannung. Lebensgefahr oder schwere Verletzungsfahr. Vor Beginn der Arbeiten Anlage und Gerät spannungsfrei schalten.	Hazardous voltage. Will cause death or serious injury. Turn off and lock out all power supplying this device before working on this device.	Tension électrique. Danger de mort ou risque de blessures graves. Mettre hors tension avant d'intervenir sur l'appareil.
	VORSICHT	CAUTION	PRUDENCE
	Eine sichere Gerätefunktion ist nur mit zertifizierten Komponenten gewährleistet.	Reliable functioning of the equipment is only ensured with certified components.	La sécurité de fonctionnement de l'appareil n'est garantie qu'avec des composants certifiés.
	Español	Italiano	Português
	Leer y comprender este instructivo antes de la instalación, operación o mantenimiento del equipo.	Leggere con attenzione queste istruzioni prima di installare, utilizzare o eseguire manutenzione su questa apparecchiatura.	Ler e compreender estas instruções antes da instalação, operação ou manutenção do equipamento.
	⚠ PELIGRO	⚠ PERICOLO	⚠ PERIGO
	Tensión peligrosa. Puede causar la muerte o lesiones graves. Desconectar la alimentación eléctrica antes de trabajar en el equipo.	Tensione pericolosa. Può provocare morte o lesioni gravi. Scollegare l'alimentazione prima di eseguire interventi sull'apparechiatura.	Tensão perigosa. Perigo de morte ou ferimentos graves. Desligue a alimentação elétrica e proteja contra o religamento, antes de iniciar o trabalho no equipamento.
	PRECAUCIÓN	CAUTELA	CUIDADO
	El funcionamiento seguro del aparato sólo está garantizado con componentes certificados.	Il funzionamento sicuro dell'apparechiatura è garantito soltanto con componenti certificati.	O funcionamento seguro do aparelho apenas pode ser garantido se forem utilizados os componentes certificados.
	Türkçe	Русский	中文
	Cihazın kurulumundan, çalıştırılmasından veya bakıma tabi tutulmasından önce, bu kılavuzun okunmuş ve anlaşılmiş olması gerekmektedir.	Перед установкой, вводом в эксплуатацию или обслуживанием устройства необходимо прочесть и понять данное руководство.	安装、使用和维修本设备前必须先阅读并理解本说明。
	⚠ TEHLİKE	⚠ ОПАСНО	⚠ 危险
	Tehlikeli gerilim. Ölüm tehlikesi veya ağır yaralanma tehlikesi. Çalışmalara başlamadan önce, sistemin ve cihazın gerilim beslemesini kapatınız.	Опасное напряжение. Опасность для жизни или возможность тяжелых травм. Перед началом работ отключить подачу питания к установке и к устройству.	危险电压。可能导致生命危险或重伤危险。 操作设备时必须确保切断电源。
	ÖNEMLİ DİKKAT	ОСТОРОЖНО	小心
	Cihazın güvenli çalışması ancak sertifikalı bileşenler kullanılması halinde garanti edilebilir.	Безопасность работы устройства гарантируется только при использовании сертифицированных компонентов.	只有使用经过认证的部件才能保证设备的正常运转。

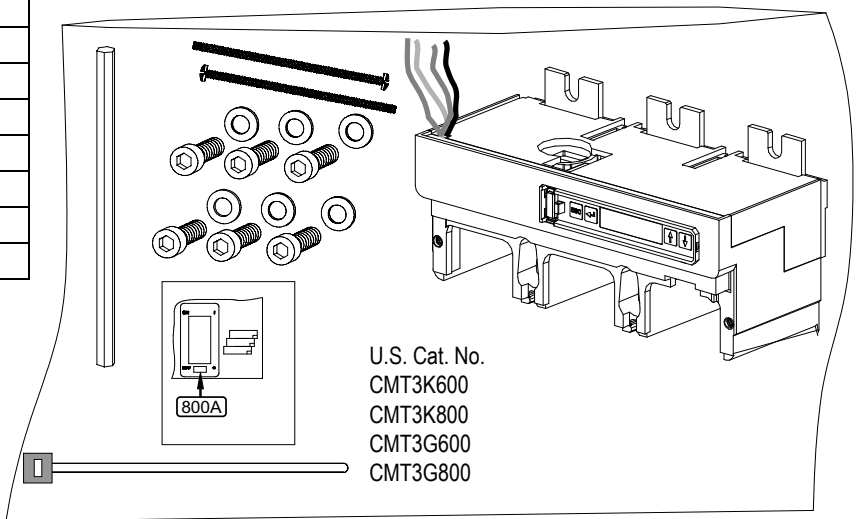
Technical Support: Internet: <http://www.siemens.com/lowvoltage/technical-support>

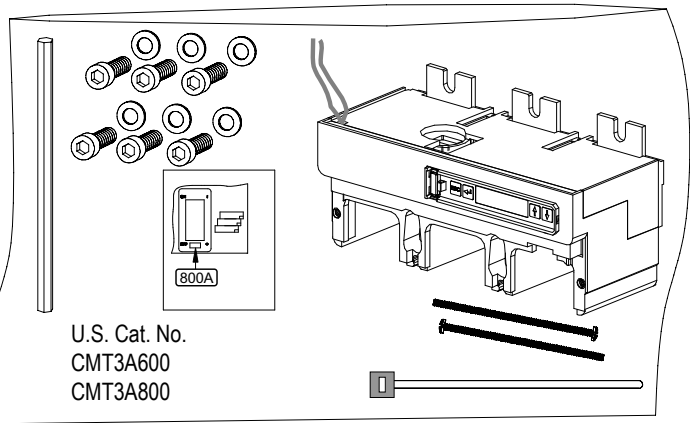
NOTE


These instructions do not purport to cover all details or variations in equipment, or to provide for every possible contingency to be met in connection with installation, operation or maintenance. Should further information be desired or should particular problems arise, which are not covered sufficiently for the purchaser's purposes, the matter should be referred to the local Siemens sales office. The contents of this Instruction manual shall not become part of or modify any prior or existing agreement, commitment or relationship. The sales contract contains the entire obligation of Siemens. The warranty contained in the contract between the parties is the sole warranty of Siemens. Any statements contained herein do not create new warranties or modify the existing warranty.

Trademarks - Unless otherwise noted, all names identified by ® are registered trademarks of Siemens AG or Siemens Industry, Inc. The remaining trademarks in this publication may be trademarks whose use by third parties for their own purposes could violate the rights of the owner.

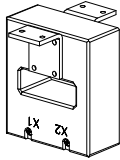
DE	Notwendige Werkzeuge für Montage	 <p style="text-align: center;">cal. ISO 6789</p>
EN	Necessary assembly tools	
FR	Outils nécessaires pour le montage	
ES	Herramientas requeridas para el montaje	
IT	Utensili necessari per il montaggio	
PT	Ferramentas necessárias para a montagem	
TR	Montaj için gerekli aletler	
PY	Инструменты, необходимые для монтажа	
中文	安装所需工具	

DE	Lieferumfang	 <p style="text-align: right;">U.S. Cat. No. CMT3K600 CMT3K800 CMT3G600 CMT3G800</p>
EN	Quantity of delivery	
FR	Composition de la fourniture	
ES	Alcance del suministro	
IT	Configurazione di fornitura	
PT	Escopo de fornecimento	
TR	Teslimat hacmi	
PY	Комплект поставки	
中文	供货范围	

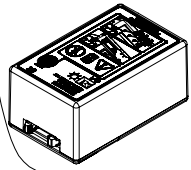
DE	Lieferumfang	 <p style="text-align: right;">U.S. Cat. No. CMT3A600 CMT3A800</p>
EN	Quantity of delivery	
FR	Composition de la fourniture	
ES	Alcance del suministro	
IT	Configurazione di fornitura	
PT	Escopo de fornecimento	
TR	Teslimat hacmi	
PY	Комплект поставки	
中文	供货范围	

⚠ DANGER	⚠ PELIGRO	⚠ DANGER
 <p>Hazardous voltage. Will cause death or serious injury.</p> <p>Turn off and lock out all power supplying this device before working on this device.</p>	<p>Tensión peligrosa. Puede causar la muerte o lesiones graves.</p> <p>Desconectar la alimentación eléctrica antes de trabajar en el equipo.</p>	<p>Tension électrique. Danger de mort ou risque de blessures graves.</p> <p>Mettre hors tension avant d'intervenir sur l'appareil.</p>

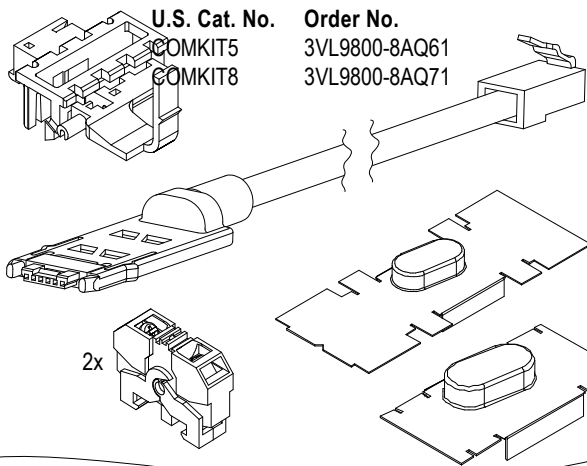
DE	Weiteres Zubehör
EN	Additional accessories
FR	Accessoires supplémentaires
ES	Otros accesorios
IT	Ulteriori accessori
PT	Acessório adicional
TR	Başka parçala
PY	Дополнительные приборы
中文	其他配件



U.S. Cat. No. Order No.
 NGSM600 3VL9660-8TT01
 NGSM800 3VL9780-8TT01

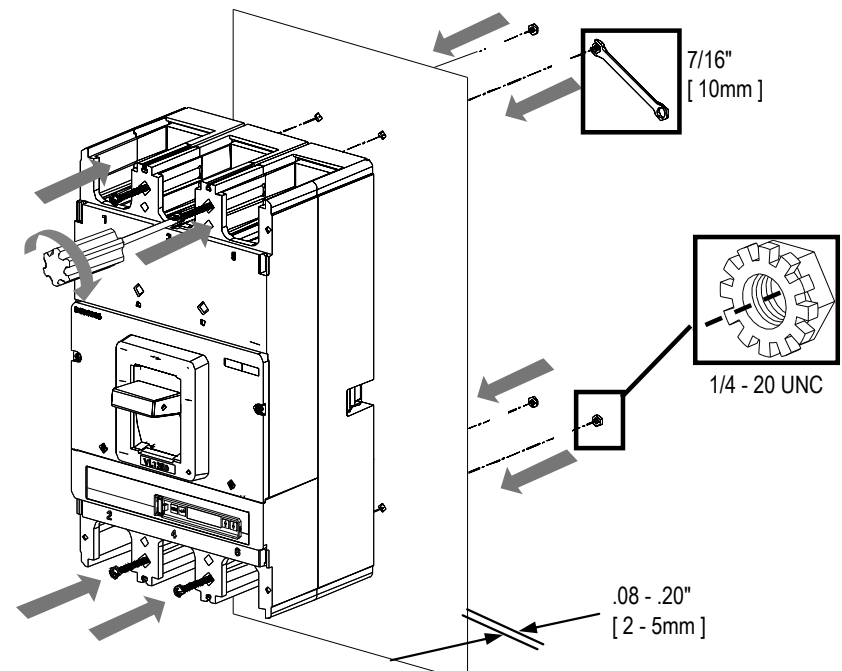


EPSP18V
3VL9800-8AP01



U.S. Cat. No. Order No.
 COMKIT5 3VL9800-8AQ61
 COMKIT8 3VL9800-8AQ71

2x




4x 35 lb. in. [4Nm]

7/16" [10mm]

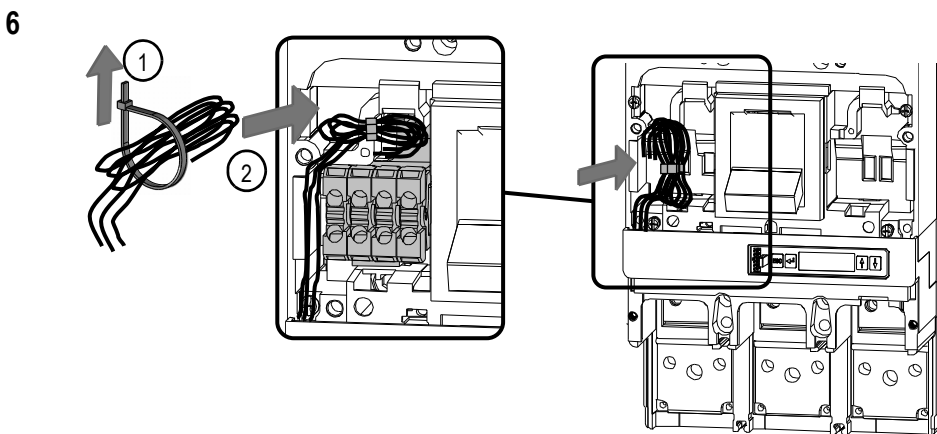
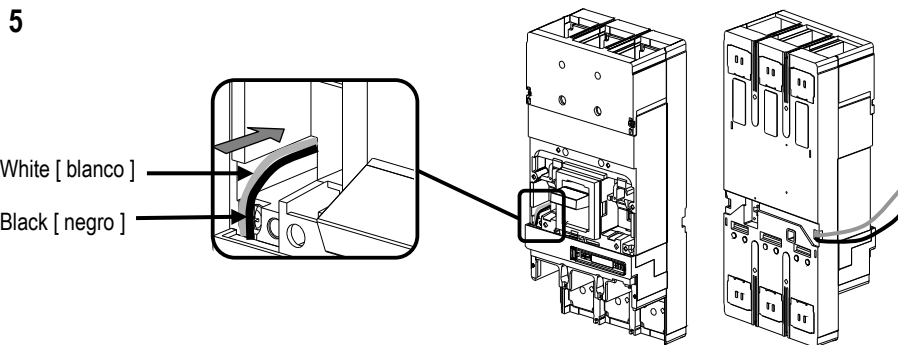
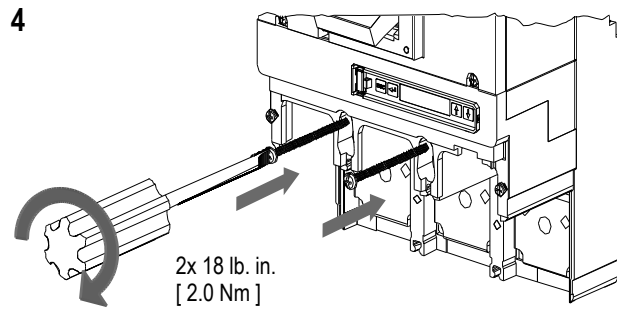
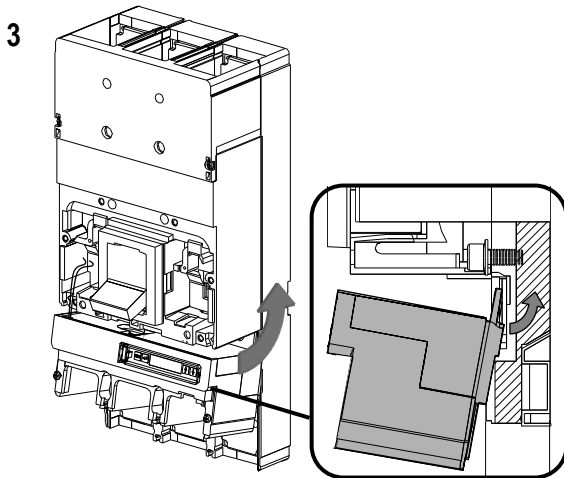
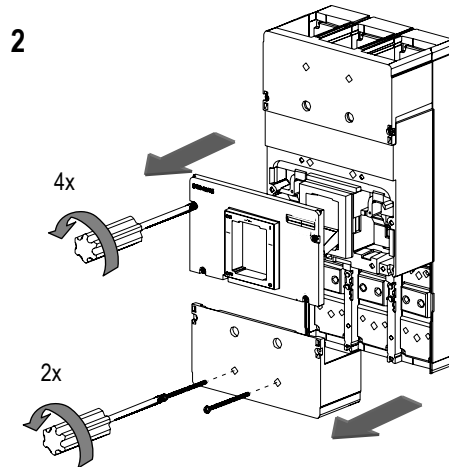
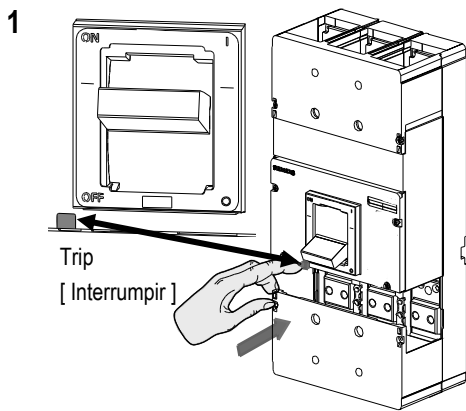
1/4 - 20 UNC


.08 - .20" [2 - 5mm]

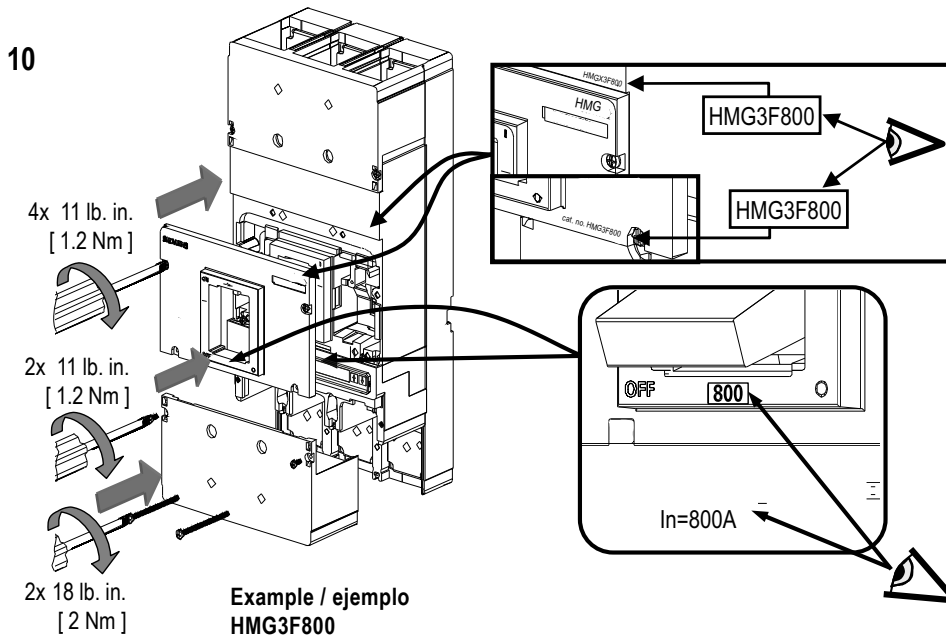
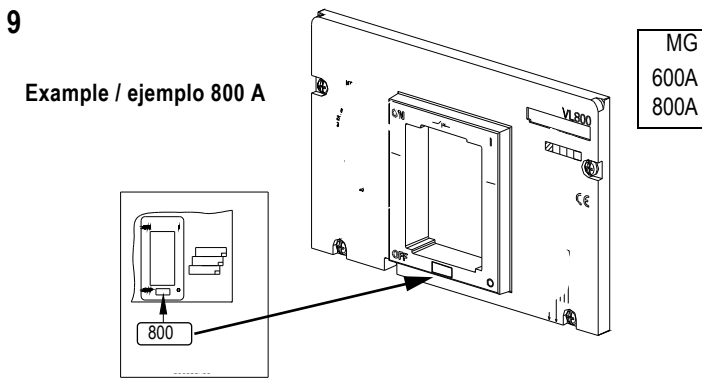
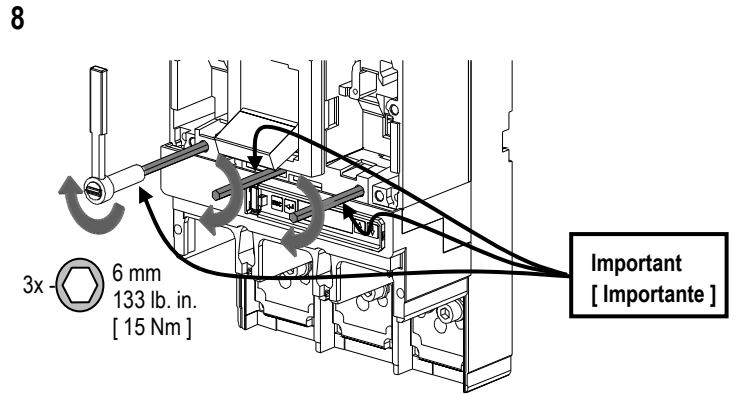
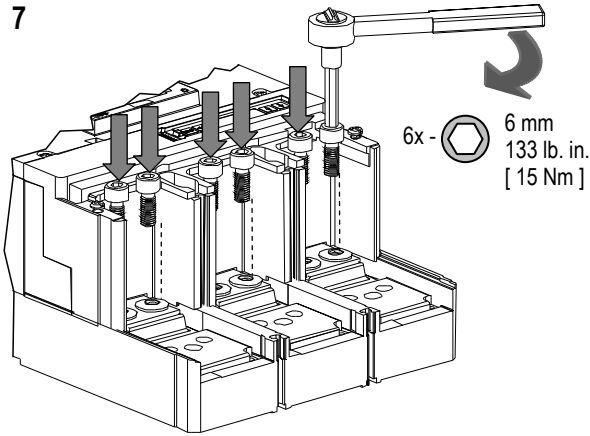


1/4 - 20x 4.5
MSKM4
3VL9600-8SB41

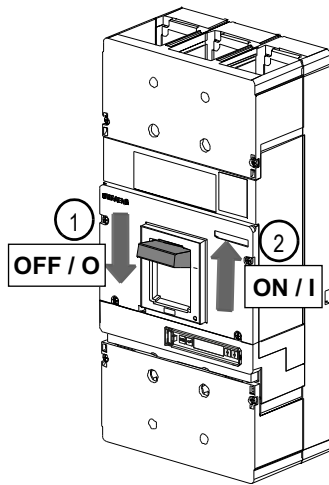
DE	Montage	ES	Montaje	TR	Montaj
EN	Assembly	IT	Montaggio	PY	Монтаж
FR	Montage	PT	Montagem	中文	安裝



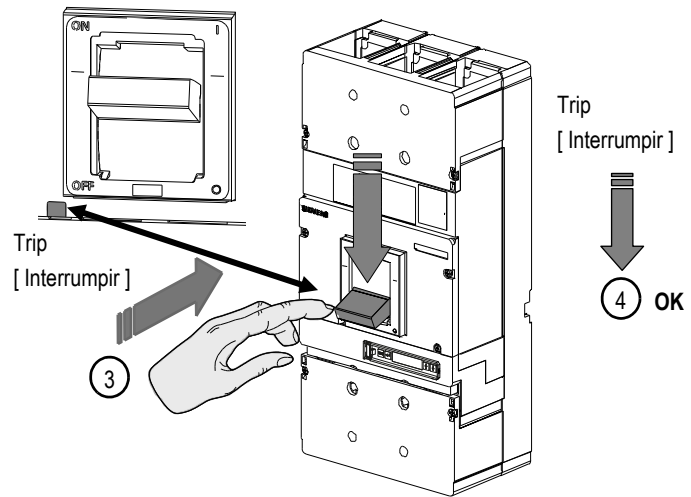
⚠ DANGER	⚠ PELIGRO	⚠ DANGER
 <p>Hazardous voltage. Will cause death or serious injury. Turn off and lock out all power supplying this device before working on this device.</p>	<p>Tensión peligrosa. Puede causar la muerte o lesiones graves. Desconectar la alimentación eléctrica antes de trabajar en el equipo.</p>	<p>Tension électrique. Danger de mort ou risque de blessures graves. Mettez hors tension avant d'intervenir sur l'appareil.</p>



11a



11b



TRIPPED

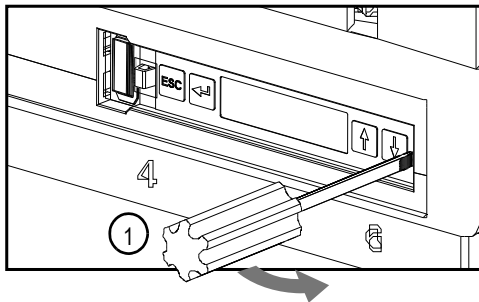


12a

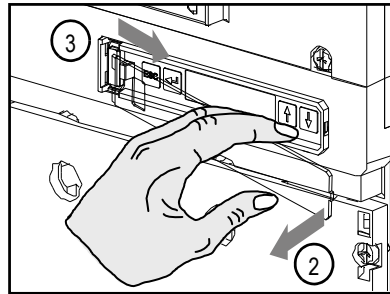
TRIPPED


<http://www.siemens.com/lowvoltage/technical-support>

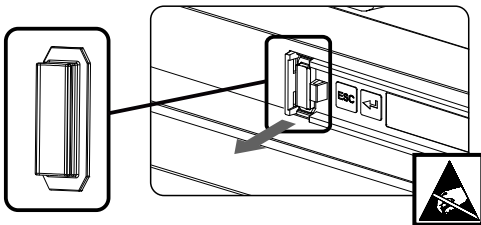
12a




12b



13



DE	Achtung	Vor Abnahme der Steckerabdeckung Leistungsschalter auf "OFF" schalten
EN	Caution	Place circuit breaker in "OFF" position before removing the plug cover
FR	Attention	Avant de retirer le cache du connecteur, positionner le disjoncteur sur "OFF"
ES	Atención	Ponga el interruptor automático en posición "OFF" antes de retirar la tapa del conector hembra
IT	Atten- zione	Prima di rimuovere la copertura del connettore, portare l'interruttore automatico su "OFF"
PT	Atenção	Antes de retirar a cobertura do conector, mudar o disjuntor para "OFF".
TR	Dikkat	Fiş kapağını çıkarmadan önce güç şalterini "KAPALI" pozisyonuna getiriniz.
РУ	Внимание	Перед снятием штекерной крышки установить силовой выключатель в положение "OFF" ("ВЫКЛ")
中文	注意	在取下插头罩盖之前先要把断路器调到 "OFF" 位置

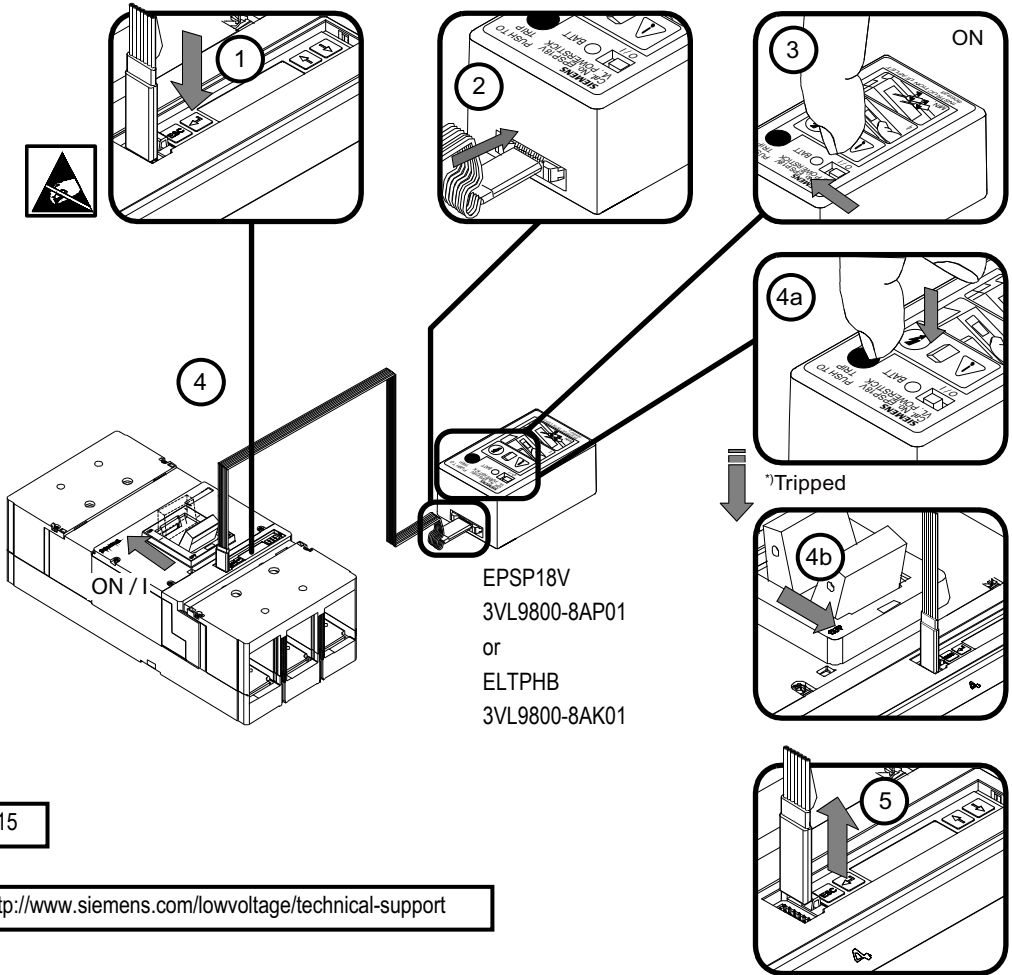
⚠ DANGER	⚠ PELIGRO	⚠ DANGER
 Hazardous voltage. Will cause death or serious injury. Turn off and lock out all power supplying this device before working on this device.	Tensión peligrosa. Puede causar la muerte o lesiones graves. Desconectar la alimentación eléctrica antes de trabajar en el equipo.	Tension électrique. Danger de mort ou risque de blessures graves. Mettre hors tension avant d'intervenir sur l'appareil.

14

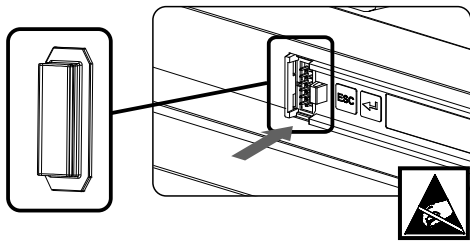
Test:
[Prueba:]

*)

DE	Ausgelöst
EN	Tripped
FR	Déclenché
ES	Disparado
IT	Sganciato
PT	Disparado
TR	Çözülmüş durum
PY	Разомкнуто
中文	断开

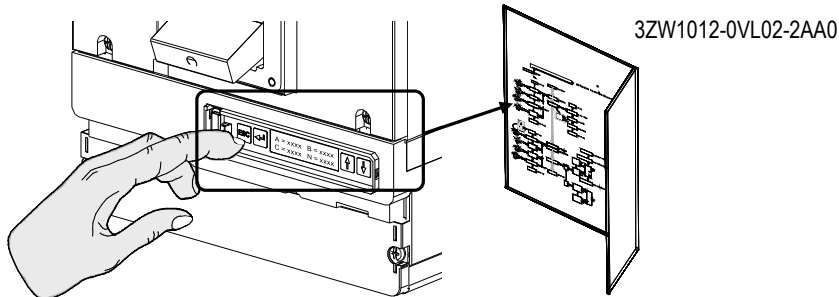


15

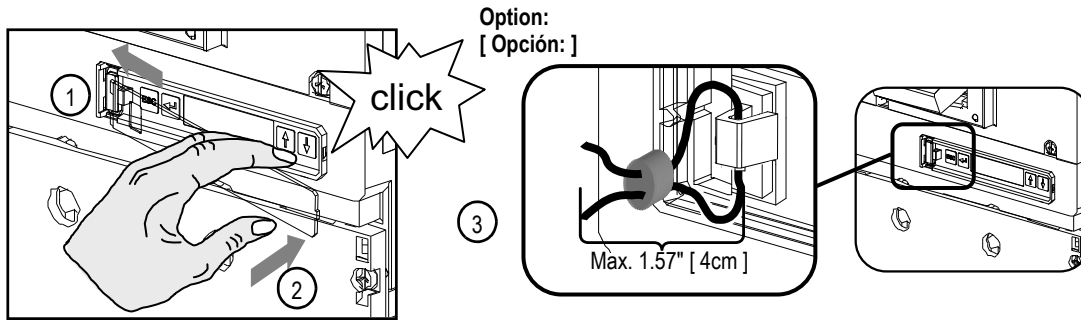


DE	Achtung	Vor dem Wiedereinschalten die Steckerabdeckung montieren
EN	Caution	Replace the plug cover before switching back on
FR	Attention	Avant de remettre sous tension, monter l'obturateur du connecteur
ES	Atención	Colocar la tapa del conector hembra antes de poner el interruptor en posición "ON"
IT	Attenzione	Prima della riattivazione montare la copertura del connettore
PT	Atenção	Antes de ligar novamente, montar a cobertura de conectores.
TR	Dikkat	Tekrar çalıştırmadan önce fiş kapağını monte ediniz.
PY	Внимание	Перед повторным включением установить штекерную крышку.
中文	注意	在重新接通电源前，要先安装插头罩盖。

16



17




Operation States [Estado operación]

Definitions / Definiciones	
I_n	Rated Current / Intensidad asignada
I_r	Continuous Amps / Amperios continuo
t_r	Long Time Delay / Retardo largo
I_{sd}	Short Time Pickup / Tiempo corto inicio
t_{sd}	Short Time Delay / Retardo corto
I_i	Instantaneous Pickup / Instantánea inicio
I_g	Ground Fault Pickup / Inicio de falla a tierra
t_g	Ground Fault Delay / Retardo de falla a tierra

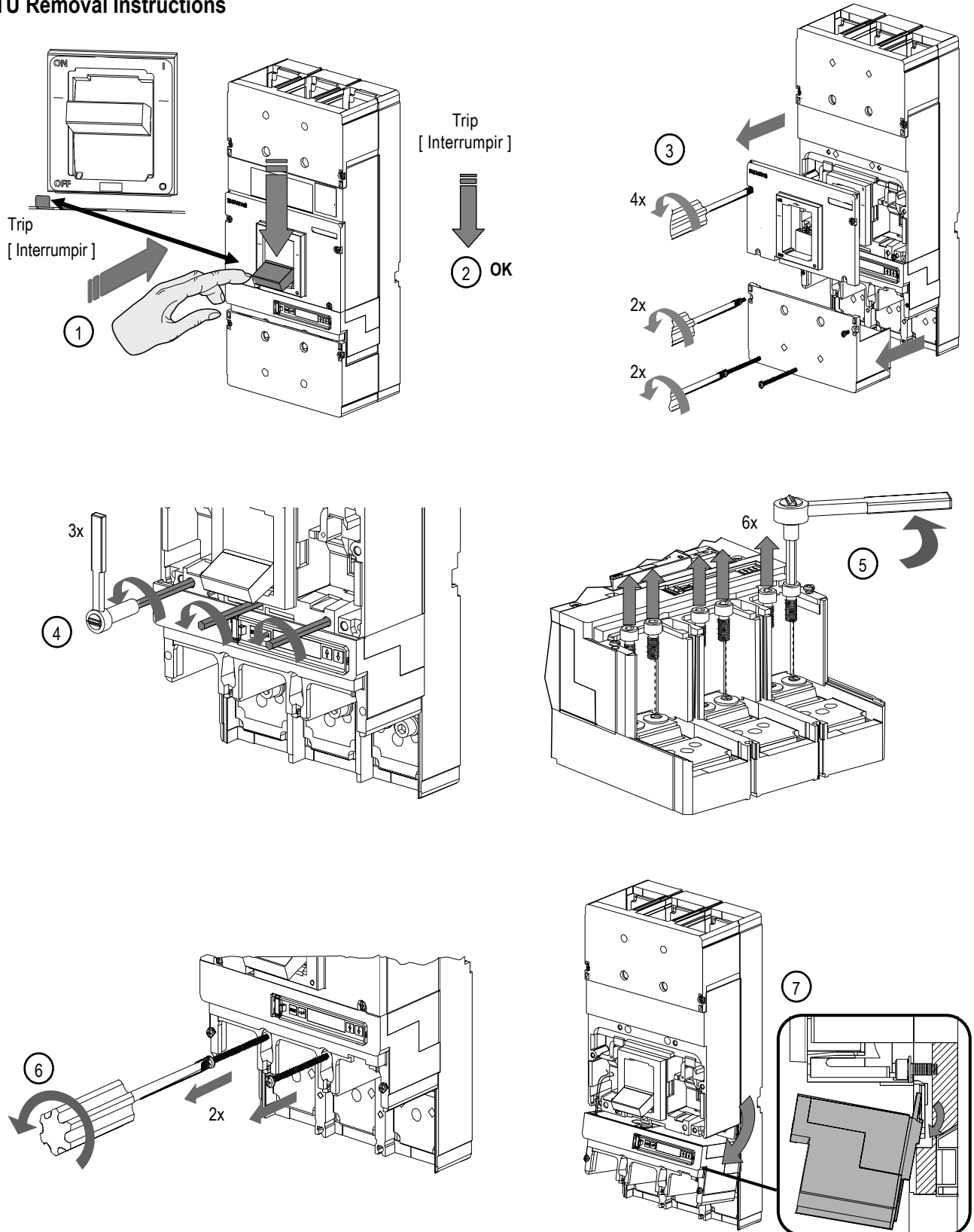
LCD Display [Pantalla LCD]	System Status [Estado de sistema]	Operational State [Estado de operación]
	$< 25\% x / I_n$	OK
	$> 25\% x / I_n$	Not OK Contact Technical Support [Lamar a Soporte Técnico] http://www.siemens.com/lowvoltage/technical-support
A = XXXX B = XXXX C = XXXX N = XXXX	$\geq 25\% x / I_n$ $< 105\% x / I_r$	OK
Phase X Overload	$\geq 25\% x / I_n$ $> 105\% x / I_r$	OK
WARNING !!! INVALID COM	$> 25\% x / I_n$ Wrong COM2x release connected; Connect "COM2x Release 2" (or newer)	May Not Be Operated, Last Selected Settings
TRIP UNIT MEMORY ERROR	$> 25\% x / I_n$	*Minimum Settings [* Ajuste de Minimo] Contact Technical Support [Lamar a Soporte Técnico] http://www.siemens.com/lowvoltage/technical-support
TRIP UNIT EEPROM ERROR	$> 25\% x / I_n$	Not OK Contact Technical Support [Lamar a Soporte Técnico] http://www.siemens.com/lowvoltage/technical-support
TRIP UNIT OVER TEMPERATURE	$> 25\% x / I_n$	Not OK Contact Technical Support [Lamar a Soporte Técnico] http://www.siemens.com/lowvoltage/technical-support

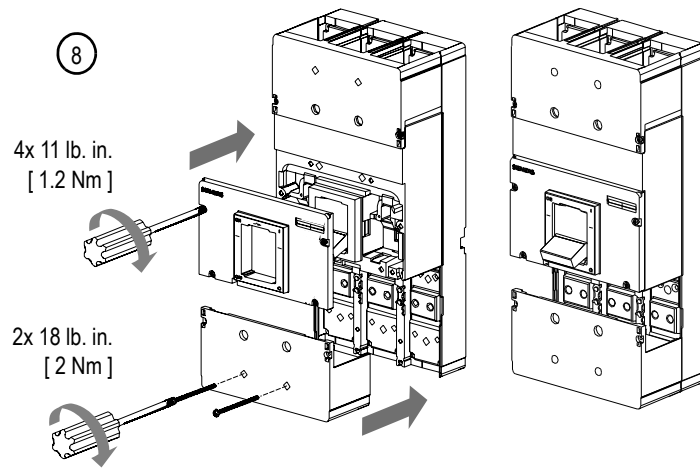
* In event of damage to the device, Electronic Trip Units are equipped with a Minimum Setting feature. All settings override to the lowest possible value and the device must be replaced.

[* En caso de daño al aparato, la unidad de disparo esta equipada con una característica de Ajuste de Minimo. Todos los ajuste se convierte al valor mas bajo posible y la unidad debe ser remplazada.]

⚠ DANGER	⚠ PELIGRO	⚠ DANGER
 Hazardous voltage. Will cause death or serious injury. Turn off and lock out all power supplying this device before working on this device.	Tensión peligrosa. Puede causar la muerte o lesiones graves. Desconectar la alimentación eléctrica antes de trabajar en el equipo.	Tension électrique. Danger de mort ou risque de blessures graves. Mettre hors tension avant d'intervenir sur l'appareil.

ETU Removal Instructions





DE	Weitere Informationen finden Sie im 3VL-Handbuch im Internet unter: www.siemens.com/lowvoltage/manuals www.usa.siemens.com/powerdistribution (nur in Deutsch und Englisch)
EN	Further information can be found in the 3VL manual on the internet at www.siemens.com/lowvoltage/manuals www.usa.siemens.com/powerdistribution (only in German and English)
FR	Vous trouverez des informations supplémentaires dans le manuel 3VL sur le site Internet www.siemens.com/lowvoltage/manuals www.usa.siemens.com/powerdistribution (seulement en allemand et en anglais)
ES	Para más información, consulte el manual 3VL que está disponible en nuestra página web www.siemens.com/lowvoltage/manuals www.usa.siemens.com/powerdistribution (sólo en alemán e inglés)
IT	Ulteriori informazioni sono disponibili in Internet nel manuale 3VL su www.siemens.com/lowvoltage/manuals www.usa.siemens.com/powerdistribution (solo in tedesco e in inglese)
PT	Mais informações encontram-se no manual 3VL na Internet, sob www.siemens.com/lowvoltage/manuals www.usa.siemens.com/powerdistribution (somente em alemão e em inglês)
TR	Ayrıntılı bilgiyi aşağıdaki internet adresindeki 3VL kullanma kılavuzundan edinebilirsiniz: www.siemens.com/lowvoltage/manuals www.usa.siemens.com/powerdistribution (sadece Almanca ve İngilizce olarak)
PY	Дальнейшую информацию Вы сможете найти в инструкции по эксплуатации 3VL в интернете по адресу: www.siemens.com/lowvoltage/manuals www.usa.siemens.com/powerdistribution (только на немецком и английском языке)
中文	其他相关信息参见 3VL 使用手册, 请登陆互联网: www.siemens.com/lowvoltage/manuals www.usa.siemens.com/powerdistribution (德、英文)