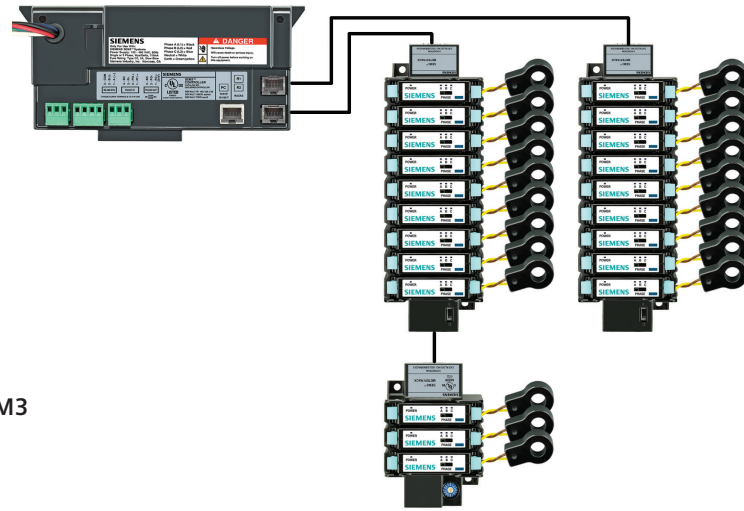


SIEMENS

Submetering Device SEM3
 Submetering-Gerät SEM3
 Appareil de comptage divisionnaire SEM3
 Dispositivo de subconteo SEM3
 Apparecchio contatore SEM3
 Podlicznik SEM3
 Dispositivo submedidor SEM3
 Submetrasyon Cihazı SEM3
 Індивідуальний прилад обліку електроенергії SEM3
 分表设备 SEM3



usa.siemens.com/SEM3



E365520
 IEC 62053-22 Class 0.5S

US2:SEM3...

Operating Instructions Betriebsanleitung Notice d'utilisation Instructivo Istruzioni operative
 Instruções de Serviço İşletme kılavuzu Руководство по эксплуатации Instrukcja obsługi 使用说明

		EN	DANGER Hazardous voltage. Will cause death or serious injury. Turn off and lock out all power supplying this device before working on this device.		
		NOTICE	Installation and maintenance must be carried out by qualified personnel.		
DE	GEFAHR	FR	DANGER Tension électrique dangereuse. Danger de mort ou risque de blessures graves. Avant d'intervenir sur l'appareil, couper toutes les sources de tension et les consigner contre la refermeture.		
HINWEIS		NOTIFICATION		Installations- und Wartungsarbeiten sind von qualifiziertem Personal durchzuführen.	L'installation et la maintenance doivent être effectuées uniquement par des personnes qualifiées.
ES	PELIGRO	IT	PERICOLO Tensione pericolosa. Può causare la morte o lesioni gravi. Prima di lavorare su questa apparecchiatura, disinserire tutte le fonti di alimentazione elettrica dell'apparecchiatura ed assicurarle contro la reinserzione.		
NOTA		NOTA		La instalación y el mantenimiento deben corre a cargo de personal cualificado.	L'installazione e la manutenzione devono essere eseguite da personale qualificato.
PT	PERIGO	TR	TEHLİKE Tehlikeli gerilim. Ölüm tehlikesi veya ağır yaralanma tehlikesi mevcuttur. Cihazda çalışmalar yapılmadan önce, tüm güç kaynakları kapatılmalı ve bir açma emniyetiyle donatılmalıdır.		
ATENÇÃO		NOT		A instalação e manutenção têm de ser efetuadas por pessoal qualificado.	Montaj ve bakım işlemleri kalifiye personel tarafından yapılmalıdır.
РУ	ОПАСНО	PL	ZAGROŻENIE Niebezpieczne napięcie. Niebezpieczeństwo poważnych obrażeń lub utraty życia. Wyłączyć i zablokować wszystkie źródła zasilania urządzenia przed rozpoczęciem pracy na urządzeniu.		
ПРИМЕЧАНИЕ		UWAGA		Установка и техническое обслуживание должны производиться квалифицированным персоналом.	Instalacja i konserwacja muszą być wykonywane przez wykwalifikowany personel.

Technical Support:

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

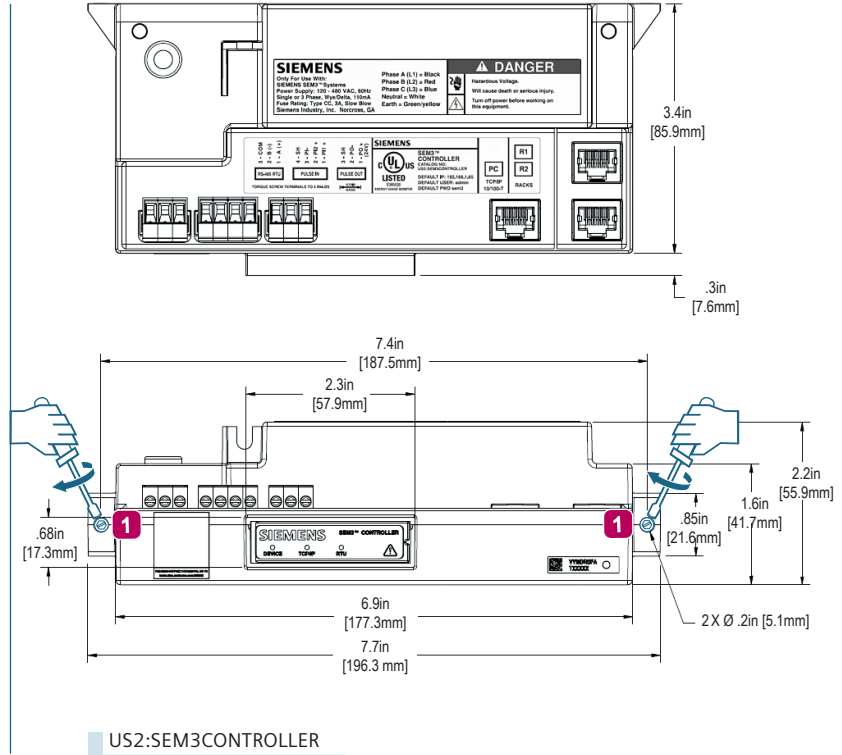
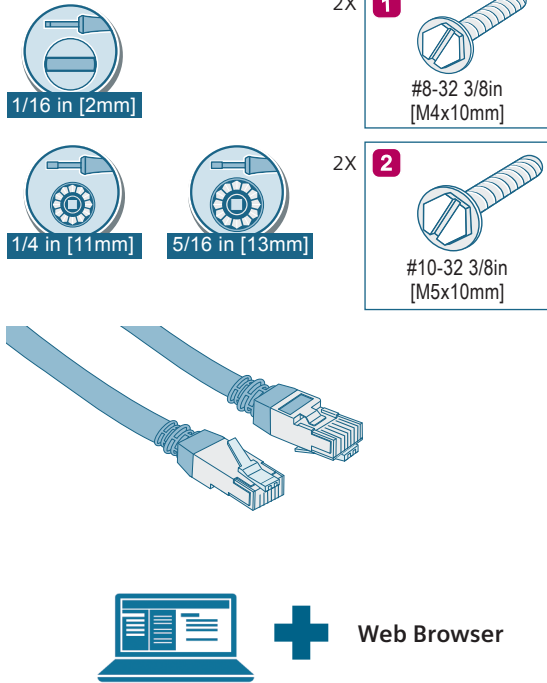
中	 危险 危险电压。可能导致生命危险或重伤危险。 操作此设备前必须确保切断其电源并采取防接通保护措施。	HR	 OPASNOST Opasni napon. Opasnost po život ili opasnost od teških ozljeda. Prije rada na uređaju potrebno je isključiti sve izvore struje i osigurati uređaj zaštitom od uključivanja.
	 注意 安装和维护必须由具备专业资质的人员进行。		 NAPOMENA Montažu i održavanje treba obavljati kvalificirano osoblje.
FI	 VAARA Vaarallinen jännite. Vakava loukkaantumisvaara tai hengenvaara. Laitteen kaikki virransyöttö tulee katkaista ja sen kytkeytyminen päälle tulee estää lukolla ennen kuin laitteeseen kohdistetaan mitään toimenpiteitä.	БГ	 ОПАСНОСТ Опасно напряжение. Опасност за живота или опасност от тежки телесни повреди. Преди да извършвате дейности по устройството, изключете и обезопасете всички храняващи източници.
	 HUOMAUTUS Asennus- ja huoltotyöt on annettava pätevän ammattilaisen suoritettaviksi.		 ПРЕДУПРЕЖДЕНИЕ Инсталирането и поддръжката трябва да се извършват от квалифициран персонал.
EE	 OHT Ohtlik pinge. Oht elule või raskete vigastuste oht. Enne seadme hooldustöid lülitage kõik toiteallikad välja ja võtke meetmed nende sisselülitamise takistamiseks.	LV	 BĪSTAMI Bīstams spriegums. Letālu seku vai smagu traumu risks. Pirms veicat darbu ar šo ierīci pilnībā izslēdziet un nobloķējiet tās strāvas padevi.
	 MÄRKUS Paigaldus- ja hooldustöid tohib teha ainult kvalifitseeritud personal.		 BRĪDINĀJUMS Uzstādīšana un tehniskā apkope jāveic kvalificētiem darbiniekiem.
LT	 PAVOJUS Pavojinga įtampa. Pavojus gyvybei arba sunkaus susižalojimo pavojus. Prieš dirbdami ties šiuo prietaisu, išjunkite ir užblokuokite visus šio prietaiso maitinimo šaltinius.	DA	 FARE Farlig spænding. Livsfare eller risiko for slemme kvæstelser. Sluk for og lås strømmen, der forsyner denne enhed, før du arbejder med denne enhed.
	 NUORODA Įrengimą ir techninę priežiūrą turi vykdyti kvalifikuoti darbuotojai.		 BEMÆRK Installationen og vedligeholdelsen skal foretages af uddannet personale.
MT	 PERIKLU Vultaġġ perikoluż. Riskju ta' mewt jew korriment serju. Qabel taħdem fuq dan l-apparat, itfi kull provvista tal-elettriku tiegħu u sakkar kontra xegħil mill-ġdid accidentali.	NL	 GEVAAR Gevaarlijke spanning. Levensgevaar of gevaar voor ernstig letsel. Voordat u aan dit apparaat werkt, moet u alle actieve energiebronnen voor dit apparaat uitschakelen.
	 AVVIŻ L-installazzjoni u l-manutenzjoni għandhom jitwettqu minn personal ikkwalifikat.		 OPMERKING Installatie en onderhoud moeten worden verricht door gekwalificeerd personeel.
EL	 ΚΙΝΔΥΝΟΣ Επικίνδυνη τάση. Κίνδυνος για τη ζωή ή σοβαρού τραυματισμού. Απεργοποιήστε και ασφαλίστε όλη την ενέργεια που τροφοδοτεί τη συσκευή, προτού εργαστείτε σε αυτή.	GA	 CONTÚIRT Voltas contúirteach. Baol go bhfaighfear bás nó tromghortú. Múch gach cumhacht a sholáthraíonn an gléas seo agus glasáil amach í roimh obair a dhéanamh ar an ngléas seo.
	 ΠΡΟΣΟΧΉ Η εγκατάσταση και συντήρηση πρέπει να διεξάγονται από εξειδικευμένο προσωπικό.		 FÓGRA Ní mór don fheistiú agus don chothabháil a bheith déanta ag pearsanra cáilithe.
RO	 PERICOL Tensiune periculoasă. Pericol de moarte sau de accidentări grave. Opriți și blocați alimentarea cu energie a acestui dispozitiv înainte de a lucra la acesta.	SV	 FARA Farlig spänning. Livsfara eller risk för allvarliga personskador. Innan arbete utförst på utrustningen ska strömförsörjningen till utrustningen stängas av.
	 ÎNȘTIINȚARE Instalarea și întreținerea trebuie să se efectueze de către personalul calificat.		 OBS Installation och underhåll får endast utföras av kvalificerad personal.
CZ	 NEBEZPEČÍ Nebezpečné napětí. Nebezpečí smrtelného nebo těžkého úrazu. Před zahájením prací na tomto zařízení odpojte a zajistěte veškeré příklady energie.	SL	 NEVARNOST Nevarna napetost. Nevarnost za življenje ali nevarnost hudih poškodb. Izklopite in prekinite celotno napajanje naprave, preden na njej opravljate dela.
	 POZNÁMKA Instalaci a údržbu musí provádět kvalifikovaní pracovníci.		 OPOMBA Namestitev in vzdrževanje mora opraviti usposobljeno osebje.
SK	 NEBEZPEČENSTVO Nebezpečné napätie. Nebezpečenstvo ohrozenia života alebo vzniku ťažkých zranení. Pred prácou na zariadení vypnite a zaistite všetky napájacie prípojky tohto zariadenia.	HU	 VESZÉLY Veszélyes feszültség. Életveszély vagy súlyos sérülésveszély. Mielőtt bármilyen munkavégzést kezd az eszközön, az áramellátást le kell kapcsolni, és véletlen bekapcsolás elleni védelemmel kell ellátni.
	 UPOZORNENIE Inštaláciu a údržbu musí vykonávať kvalifikovaný personál.		 MEGJEGYZÉS A telepítést és a karbantartást kizárólag szakképzett személyzet végezheti.

Connection / Anschluss / Raccordement / Conexión / 连接

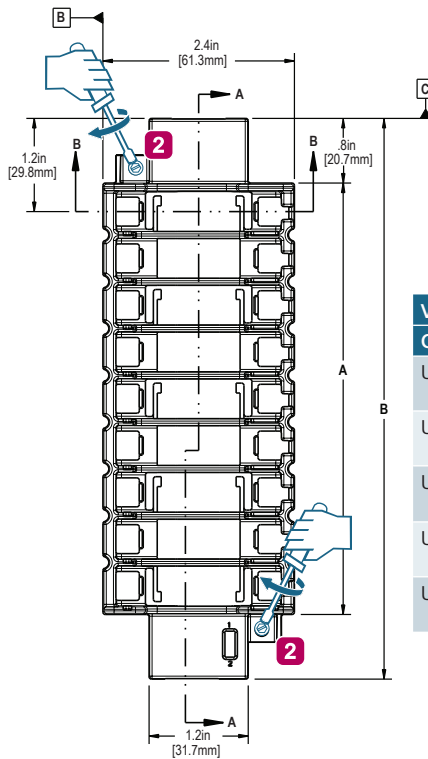


Required tools / Erforderliche Werkzeuge /
Outils requis / Implementos necesarios / 所需工具

Controller mount / Regler-Montage / Montage du contrôleur /
Montaje del controlador / 控制器安装

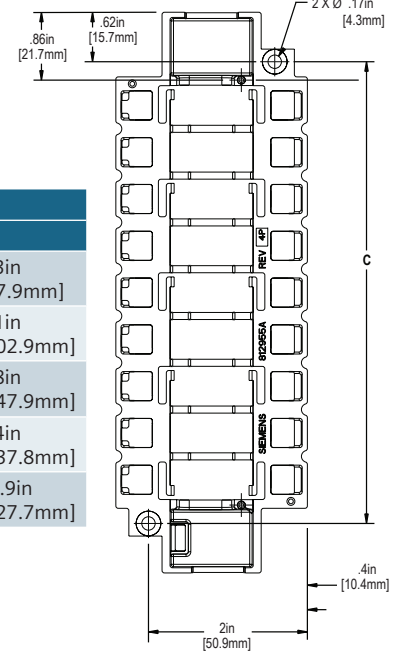


Rack mount / Rack-Montage / Montage de baie / Montaje en bastidor / 机架安装



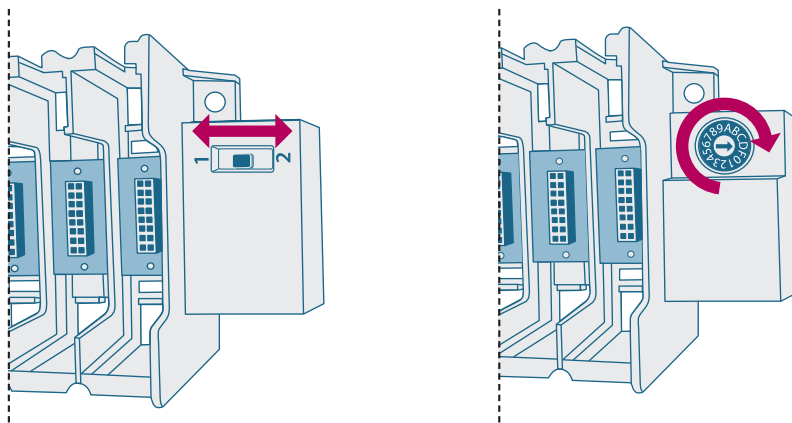
Variable Dimensions

Catalog Number	Description	A	B	C
US2:SEM3RACK3	3 position rack	1.9in [48.3mm]	3.6in [90.7 mm]	2.3in [57.9mm]
US2:SEM3RACK6	6 position rack	3.7in [93.2mm]	5.3in [135.6mm]	4.1in [102.9mm]
US2:SEM3RACK9	9 position rack	5.4in [138.2mm]	7.1in [179.6mm]	5.8in [147.9mm]
US2:SEM3RACK15	15 position rack	9.0in [228.1mm]	10.6in [269.5mm]	9.4in [237.8mm]
US2:SEM3RACK21	21 position rack	12.5in [318.0mm]	14.1in [359.4mm]	12.9in [327.7mm]

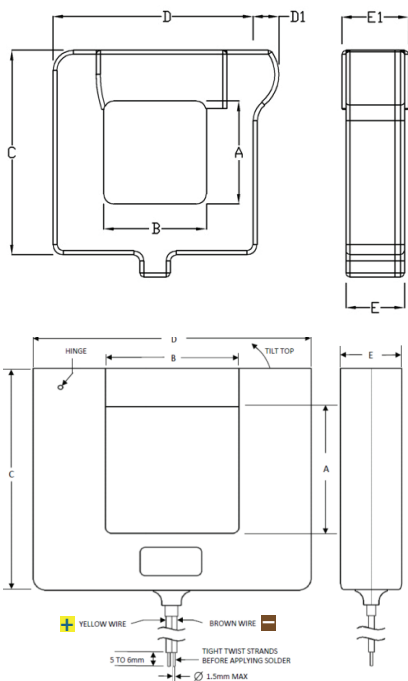




Rack address options / Rack-Adressenoptionen / Options d'adresses de baie / Opciones de dirección del bastidor / 机架位置选项



Current transformer / Stromwandler / Transformateur de courant / Transformador de corriente / 电流互感器

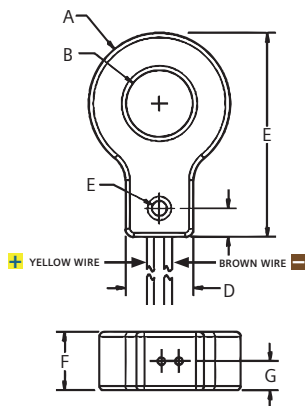


Split Core

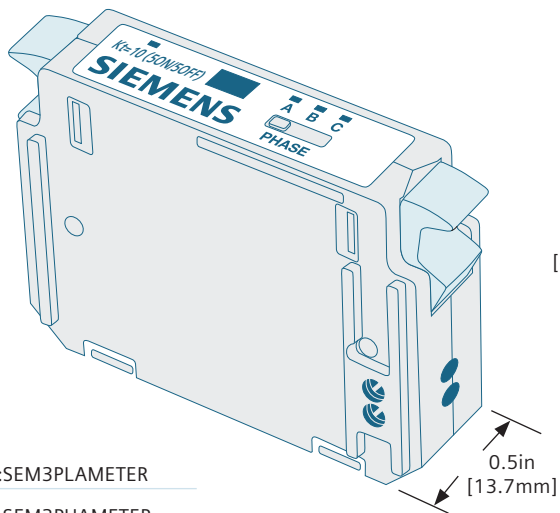
Dimensions						
Description	Catalog Number	A	B	C	D	E
50A Split Core CT	US2:4LSF0050	.7in [17.5mm]	.5in [12.7mm]	2.3in [58.9mm]	2.6in [65.8mm]	1in [24.6mm]
125A Split Core CT	US2:4LSF0125	.8in [21.1mm]	.7in [18.5mm]	2.4in [60.4mm]	2.6in [65.5mm]	.9in [23.6mm]
250A Split Core CT	US2:4LSF0250	1.2in [30mm]	1in [25.6mm]	2.9in [72.9mm]	3.2in [82.5mm]	1.1in [29mm]
400A Split Core CT	US2:4LSF0400	1.6in [40mm]	1.5in [37.6mm]	3.7in [93mm]	3.7in [95.2mm]	1.1in [29mm]
600A Split Core CT	US2:4LSF0600	2.2in [55.1mm]	2.1in [54.3mm]	4.3in [109.7mm]	4.7in [119.9mm]	1.1in [29.2mm]
800A Split Core CT	US2:4LSF0800	3.1in [79.7mm]	3in [76.2mm]	5.3in [133.8mm]	5.6in [141.2mm]	1.2in [29.5mm]
1200A Split Core CT	US2:4LSF1200	3in [76.7mm]	3.3in [83mm]	3.7in [144.5mm]	6.5in [164.6mm]	1.5in [37.6mm]
1600A Split Core CT	US2:4LSF1600	4.5in [114.3mm]	4.5in [114.3mm]	6.6in [168.9mm]	7in [179.1mm]	1.1in [29mm]
2000A Split Core CT	US2:4LSF2000	4.5in [114.3mm]	4.5in [114.3mm]	6.6in [168.9mm]	7in [179.1mm]	1.1in [29mm]

Solid Core

Dimensions								
Description	Catalog Number	A	B	C	D	E	F	G
Solid Core CT 50:0.1	US2:SEM3SCCT50	1.4in [35.6mm]	.4in [9.6mm]	.2in [5.1mm]	.9in [23.4mm]	2in [53.8mm]	.7in [18.8mm]	.4in [9.4mm]
Solid Core CT 125:0.1	US2:SEM3SCCT125	1.4in [35.6mm]	.7in [16.8mm]	.2in [5.1mm]	.9in [23.4mm]	2.2in [54.9mm]	.7in [18.8mm]	.4in [9.4mm]
Solid Core CT 250:0.1	US2:SEM3SCCT250	1.9in [48.3mm]	.9in [23.6mm]	.2in [5.1mm]	.9in [23.4mm]	2.7in [69.8mm]	.8in [19.8mm]	.4in [9.9mm]
Solid Core CT 400:0.1	US2:SEM3SCCT400	2.6in [66.5mm]	1.6in [40.6mm]	.2in [5.1mm]	.9in [23.4mm]	3.6in [91.9mm]	.8in [19.8mm]	.4in [9.9mm]
Solid Core CT 600:0.1	US2:SEM3SCCT600	3.7in [95mm]	2.3in [58.4mm]	.2in [5.1mm]	.9in [23.4mm]	4.7in [118.4mm]	.8in [19.8mm]	.4in [9.9mm]
Solid Core CT 800:0.1	US2:SEM3SCCT800	4in [102.9mm]	2.6in [66mm]	.2in [5.1mm]	.9in [23.4mm]	5in [128.3mm]	1in [24.9mm]	.5in [12.4mm]
Solid Core CT 1200:0.1	US2:SEM3SCCT1200	4.6in [115.8mm]	2.8in [71mm]	.2in [5.1mm]	.9in [23.4mm]	5.6in [141.5mm]	1in [24.9mm]	.5in [12.4mm]
Solid Core CT 1600:0.1	US2:SEM3SCCT1600	6in [152.4mm]	4.2in [107.9mm]	.3in [7.1mm]	1.1in [27.3mm]	7.1in [181.5mm]	1in [24.9mm]	.5in [12.4mm]
Solid Core CT 2000:0.1	US2:SEM3SCCT2000	6in [152.4mm]	4.2in [107.9mm]	.3in [7.1mm]	1.1in [27.3mm]	7.1in [181.5mm]	1in [24.9mm]	.5in [12.4mm]

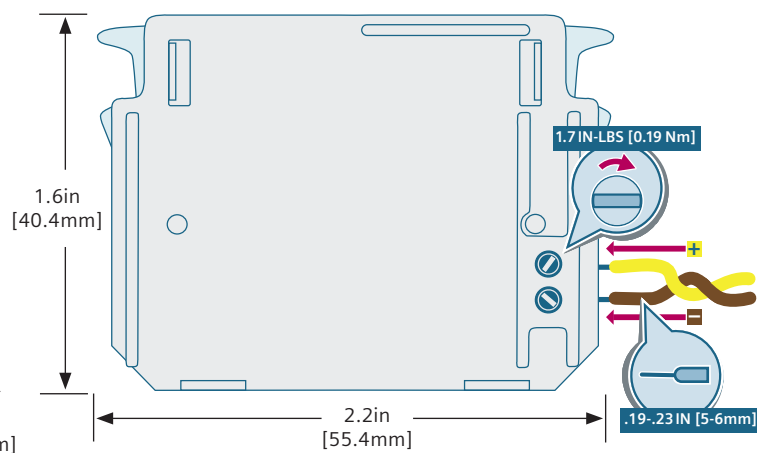


Connection / Anschluss / Raccordement / Conexión / 连接

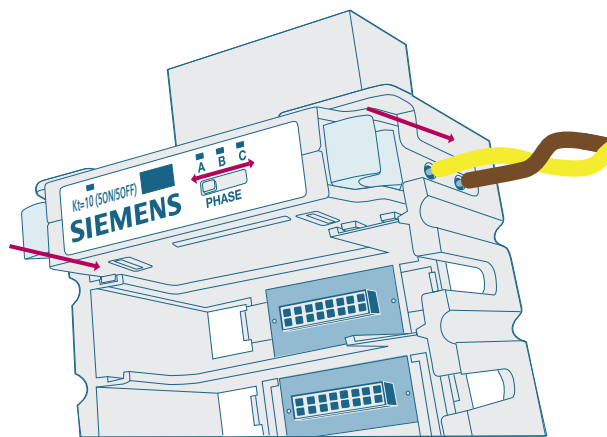


US2:SEM3PLAMETER

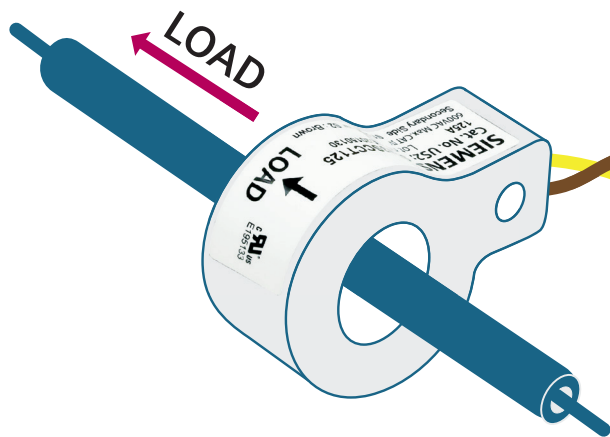
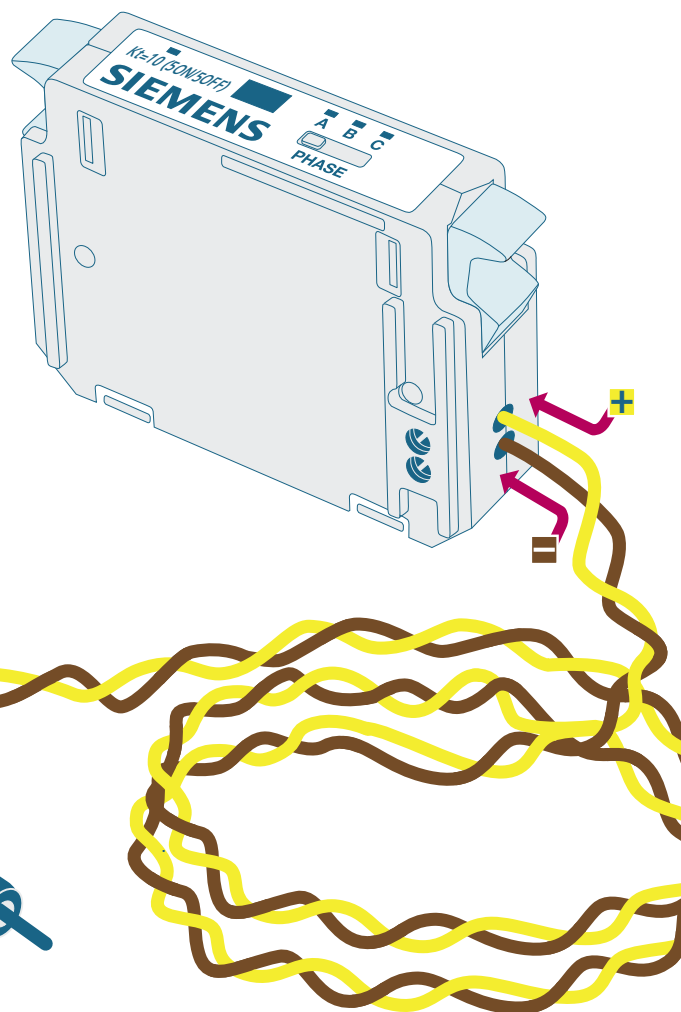
US2:SEM3PHAMETER



Phase selection / Phasenwahl / Sélection de phase / Selección de la fase / 相位选择

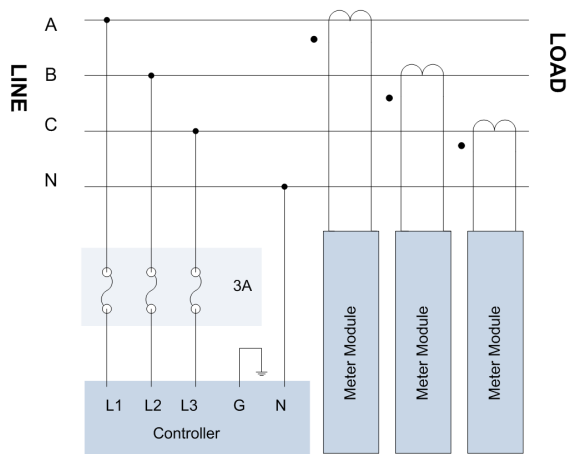


Module to CT connection / Anschluss von Module an CT / Raccord module à TC / Módulo a la conexión CT / 模组至 CT 连接

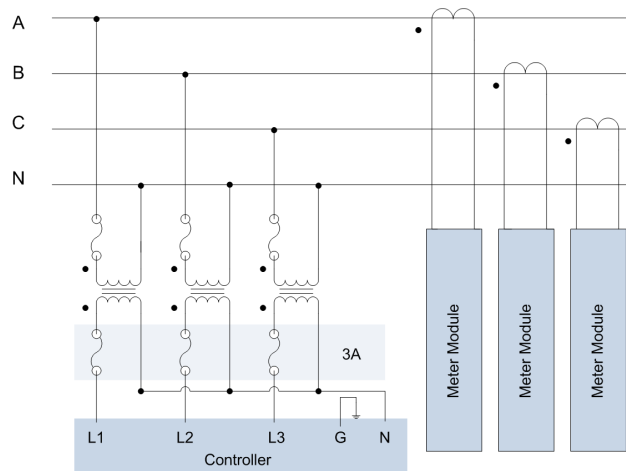


Connection / Anschluss / Raccordement / Conexión / 连接

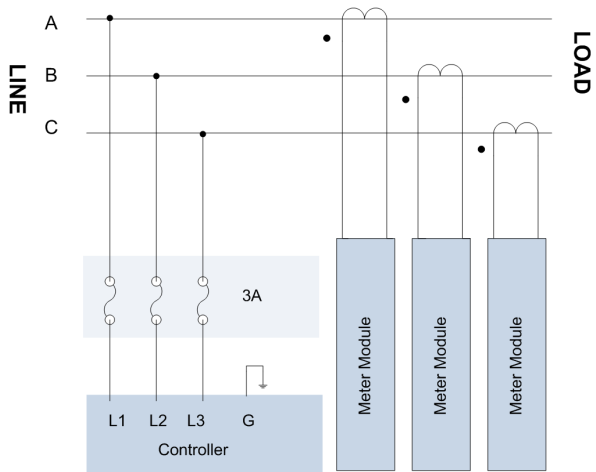
480Y / 277
3Ø 4W



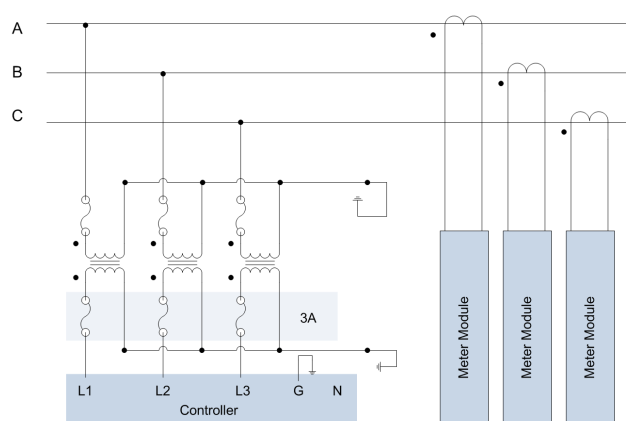
600Y / 347
3Ø 4W



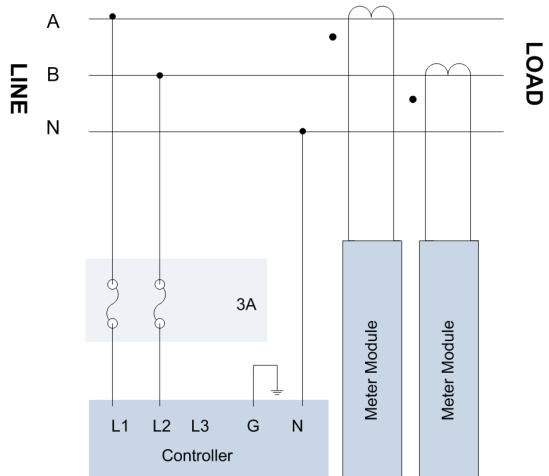
480A
3Ø 3W

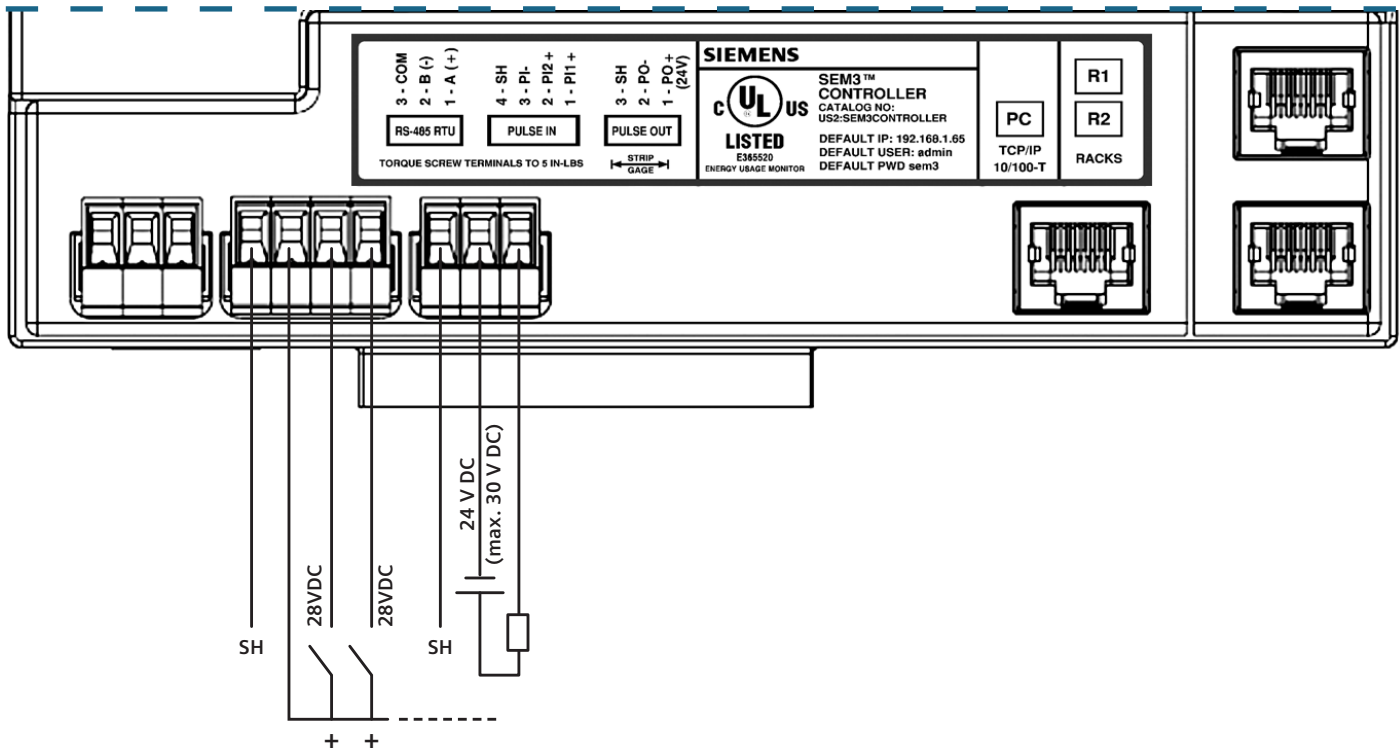


600Δ
3Ø 3W



240 / 120
1Ø 3W





IN-LBS
[Nm]



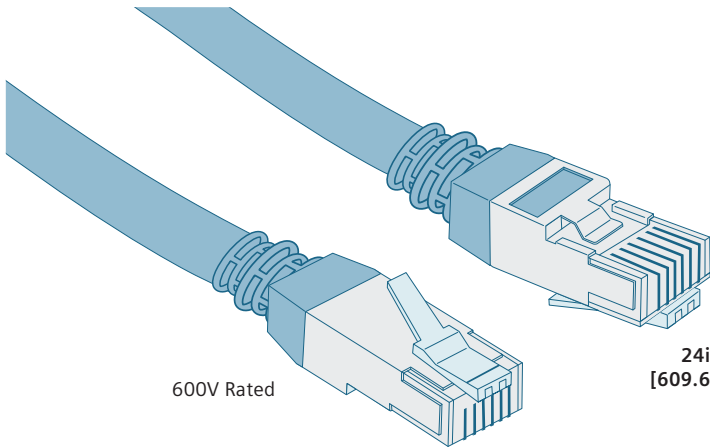
mm²

AWG

	IN-LBS [Nm]	mm ²	AWG
DO; DI; RS485	5 [.56]	.08 to 1.5	28 to 16
I1, I2, I3	1.7 [.19]	0.75	18
V1, V2, V3, Vn, G	—	2.5	14



Rack Communication Cables / Rack-Kommunikationskabel / Câbles de communication de baie /
Cables de comunicación de la rejilla / 机架通讯电缆

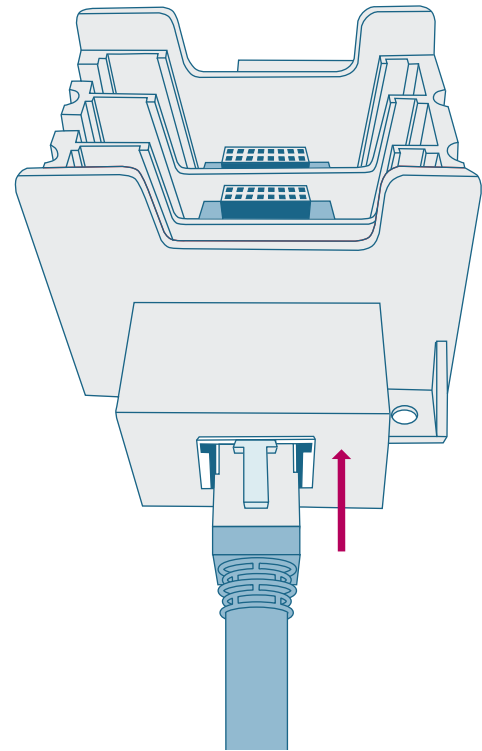
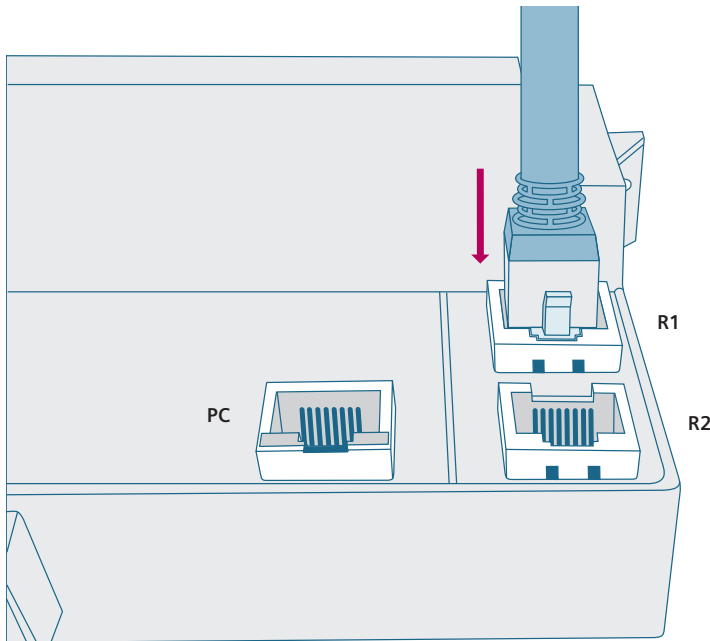


6in
[152.4mm]  US2:SEM3CAB6INCH

12in
[304.8mm]  US2:SEM3CAB12INCH

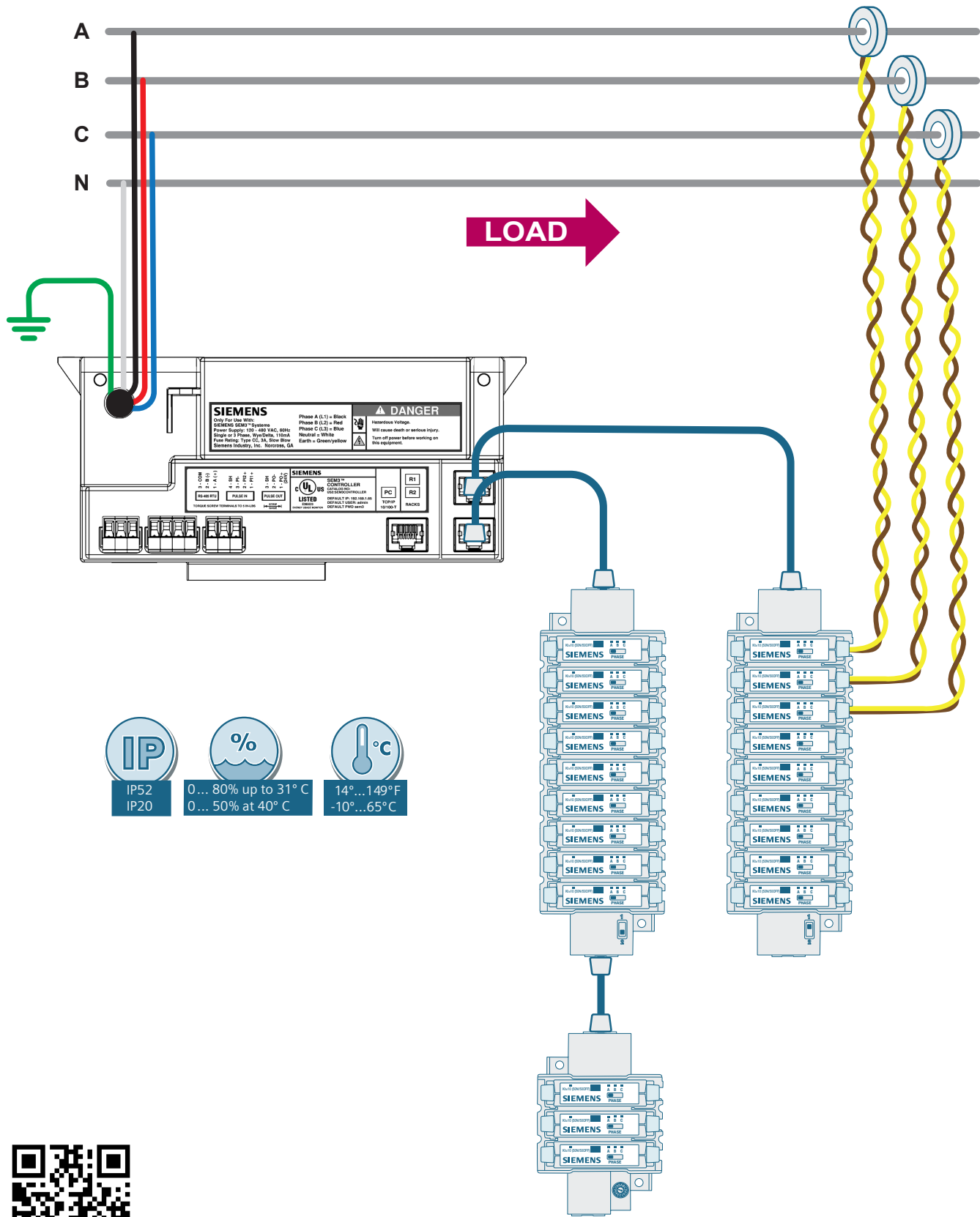
24in
[609.6mm]  US2:SEM3CAB24INCH

36in
[914.4mm]  US2:SEM3CAB36INCH





System / Système / Sistema / 系统



usa.siemens.com/sem3



Notes:





Notes:





**Published by
Siemens Industry, Inc. 2017.**

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E-mail: info.us@siemens.com

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Ref. No. 814388 Rev. 04

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