



en Installation instructions 190E DOL / 191E Reversing Starters

de Montageanweisung

fr Notice de montage

it Istruzioni di montaggio

zh 安装说明书

es Instrucciones de montaje

ru Инструкция по монтажу

pt Instruções de instalação

ko 설치 매뉴얼



IEC/EN 60947-4-1

UL 60947-4-1

CAN/CSA-C22.2 No. 60947-4-1



At the end of its life, this equipment should be collected separately from any unsorted municipal waste.



en ATTENTION! HAZARDOUS VOLTAGE!

The installation and the operation of this device and any maintenance must be carried out by a qualified person in accordance with specific local standards and safety regulations. Before installing this device, read these operating instructions carefully. Do not touch live parts. To avoid damages to persons and material the devices have to be replaced in case of mechanical and/or electrical damage.

(Follow NFPA 70E requirements).

de ACHTUNG! GEFÄHRLICHE SPANNUNG!

Die Installation und der Betrieb dieses Geräts sowie jegliche Wartung müssen von einer qualifizierten Person gemäß den spezifischen örtlichen Normen und Sicherheitsvorschriften durchgeführt werden. Lesen Sie vor der Installation des Geräts diese Betriebsanleitung sorgfältig durch. Aktive Teile dürfen nicht berührt werden. Um Schäden an Personen und Material zu vermeiden, müssen die Geräte bei mechanischen und/oder elektrischen Schäden an den Geräten ersetzt werden.

fr ATTENTION! TENSION DANGEREUSE!

L'installation, l'utilisation et la maintenance de ce dispositif doivent être réalisées par du personnel qualifié conformément aux normes et réglementations de sécurité locales. Avant d'installer le dispositif, lisez attentivement ces directives d'utilisation. Ne touchez pas les pièces sous tension. Afin d'éviter les dommages causés aux personnes et aux biens, les dispositifs doivent être remplacés en cas de dommage mécanique et/ou électrique. (Respectez les exigences NFPA 70E).

it ATTENZIONE! PERICOLO TENSIONE!

L'installazione e il funzionamento di questo dispositivo e qualsiasi manutenzione devono essere eseguiti da una persona qualificata in conformità con le norme locali e di sicurezza specifiche. Prima di installare questo dispositivo, leggere attentamente queste istruzioni per l'uso. Non toccare le parti in tensione. Per evitare danni a persone e materiali, i dispositivi devono essere sostituiti in caso di danni meccanici e/o elettrici.

zh 注意! 电压危险!

本设备的安装和操作以及所有维护工作均必须由合格的人员按照当地的具体标准和安守则进行。安装本设备前, 请仔细阅读这些操作说明。请勿触摸带电部分。为了避免人员伤害和材料损害, 如果在出现机械和/或电气损坏, 必须更换此设备。

es ¡ATENCIÓN! ¡VOLTAJE PELIGROSO!

La instalación y operación de este dispositivo, así como cualquier mantenimiento, debe ser realizado por una persona cualificada de acuerdo con estándares locales y reglamentos de seguridad específicos. Antes de instalar este dispositivo, lea atentamente las instrucciones de uso. No toque piezas bajo tensión. Para evitar daños personales y materiales, los dispositivos deben reemplazarse en caso de fallo mecánico o eléctrico. (Siga los requisitos NFPA 70E).

ru ВНИМАНИЕ! ОПАСНОЕ НАПРЯЖЕНИЕ!

Установка и эксплуатация этого устройства, а также любое техническое обслуживание и ремонт должны выполняться квалифицированным специалистом согласно соответствующим местным стандартам и нормам техники безопасности. Перед установкой данного устройства внимательно прочтите настоящую инструкцию по эксплуатации. Не прикасайтесь к токоведущим частям. В случае возникновения механических и/или электрических повреждений необходимо заменить устройства во избежание травматизма персонала и повреждения материальной части.

pt ATENÇÃO! TENSÃO PERIGOSA!

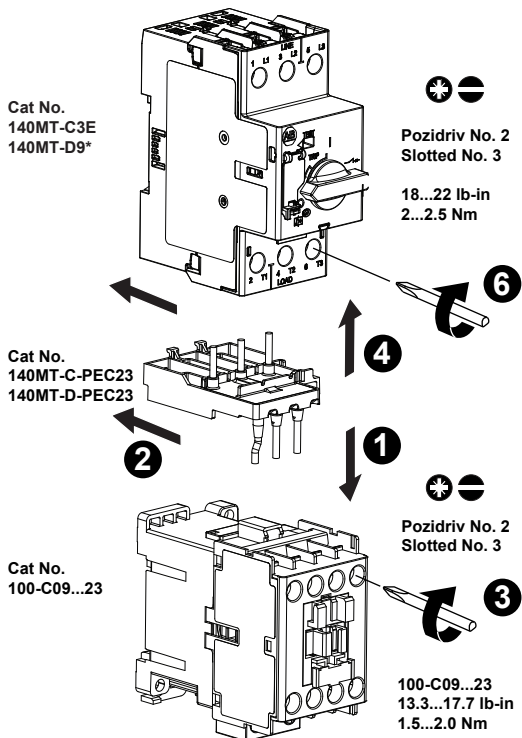
A instalação e operação deste dispositivo e qualquer manutenção devem ser feitas por pessoal qualificado, de acordo com as normas locais e regulamentações de segurança. Antes de instalar este dispositivo, leia com atenção as instruções de operação. Não toque em peças energizadas. Para evitar danos a pessoas e materiais, os dispositivos devem ser substituídos em caso de dano mecânico e/ou elétrico.

ko 주의! 위험한 전압!

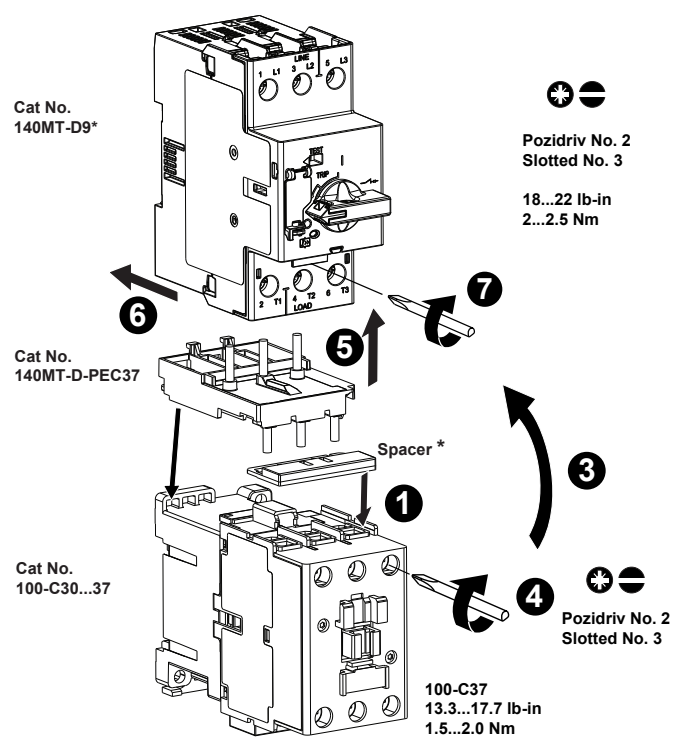
이 장치의 설치 및 작동과 유지 보수는 유자격 직원이 지역 표준 및 안전 규정에 따라 수행해야 합니다. 이 장치를 설치하기 전에 사용자 매뉴얼을 주의 깊게 읽으십시오. 작동 중인 부품에 손을 대지 마십시오. 인적 및 물적 피해를 방지할 수 있도록 기계적 및/또는 전기적 손상이 발생하는 경우에 장치를 교체해야 합니다.

Assembly of Starters

140MT-C3E/D9 + 100-C09...23 + 140MT-C-PEC23

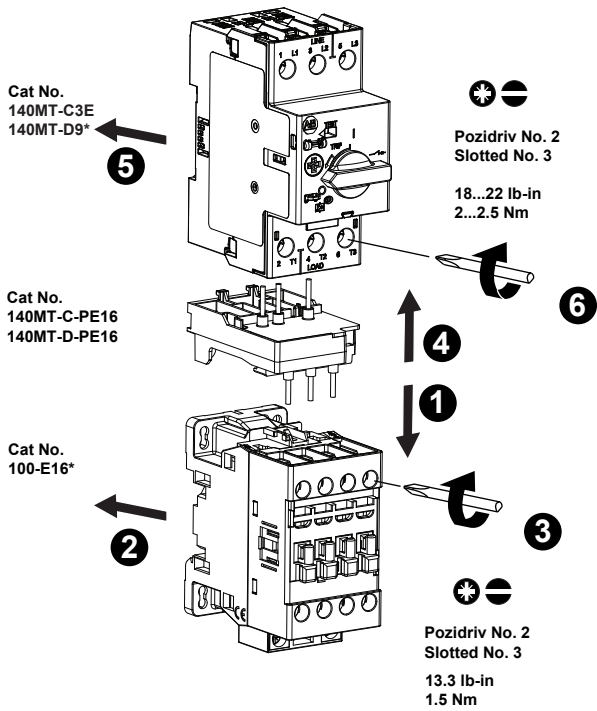


140MT-D9 + 100-C30...37 + 140MT-D-PEC37

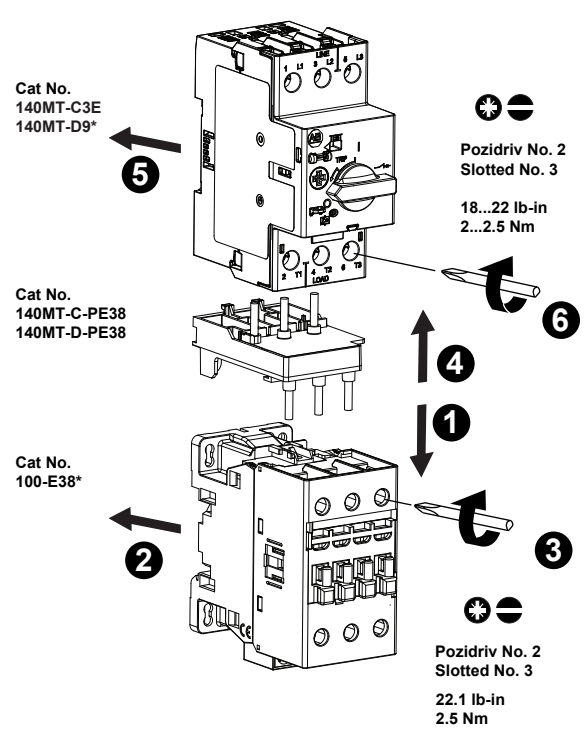


*With 140MT-D-PEC37 use always in DOL starters. Not applicable with reversing kits.

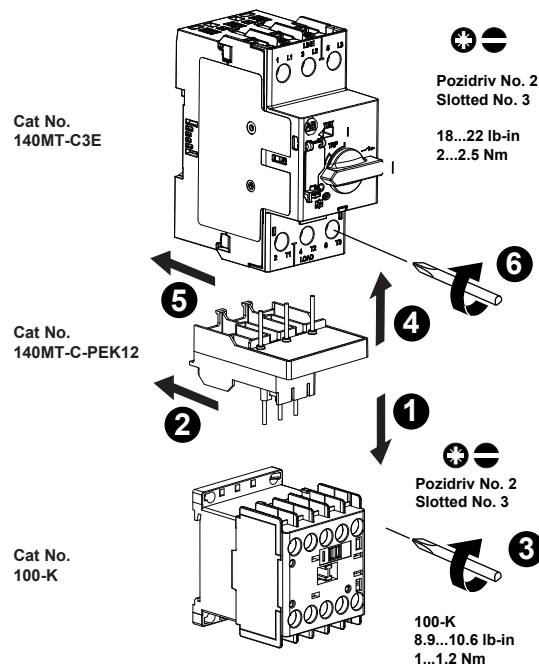
140MT-C3E/D9 + 140MT-C/D-PE16 + 100-E16*



140MT-C3E/D9* + 140MT-C/D-PE38 + 100-E38*



140MT-C3E + 100-K05..12+ 140MT-C-PEK12




Ratings

Short-Circuit Current Ratings (SCCR)

For short-circuit ratings please refer to table "Bus Bar Adapter for "A-B" or "Allen-Bradley" "190/191" tables in 140MT breaker instruction sheet (Doc. Number 10006443768) The lower max. SCCR from both tables in according to the electrical rating applies.

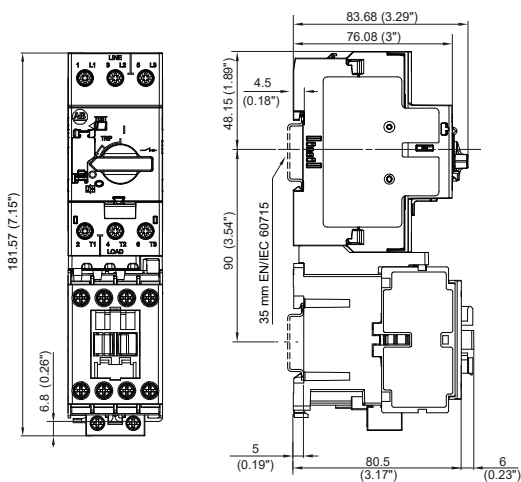
Thermal Current (140MT-C/D-PEK/C/E* Connecting Modules)

	CATALOG NO.	IEC		UL	
		Thermal continuous current	Rated insulation voltage	Thermal continuous current	Rated insulation voltage
	140MT-C-PEK12	12A max.	690V	11A max.	600V
	140MT-C-PEC23	23A max.		22A max.	
	140MT-D-PEC23	23A max.		22A max.	
	140MT-D-PEC37	30A max.		30A max.	
	140MT-C-PE16	18A max.		17,5A max.	
	140MT-D-PE16	18A max.		17,5A max.	
	140MT-C-PE38	40A max.		34A max.	
	140MT-D-PE38	40A max.		34A max.	

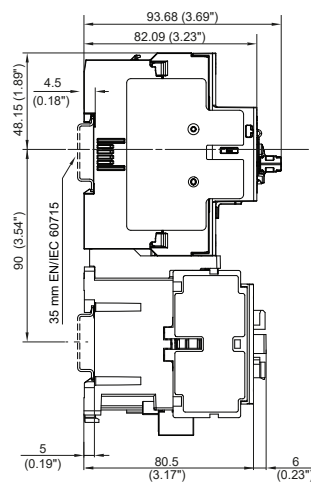
*Suitable for group installation with 100-C or 100-K or 100E contactors and 140MT circuit breaker.

Dimensions

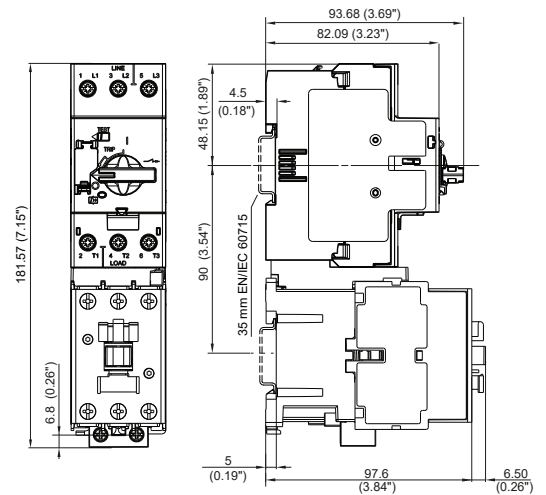
140MT-C3E + 140MT-C-PEC23 + 100-C



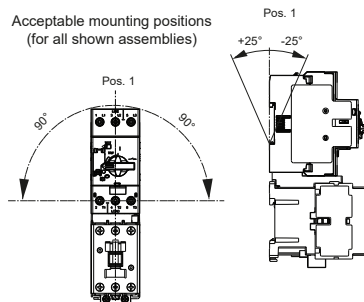
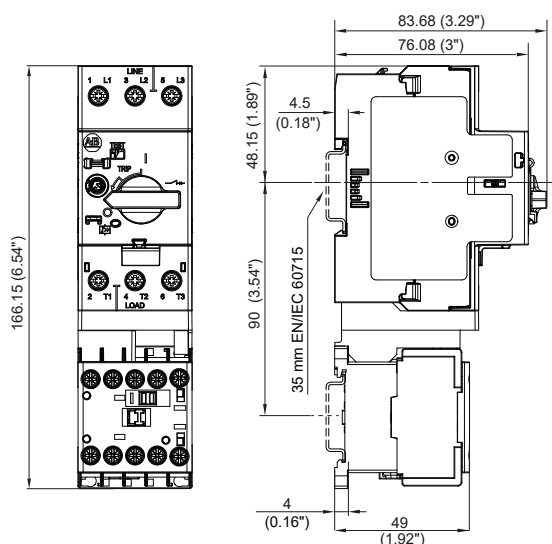
140MT-D9* + 140MT-D-PEC23 + 100-C



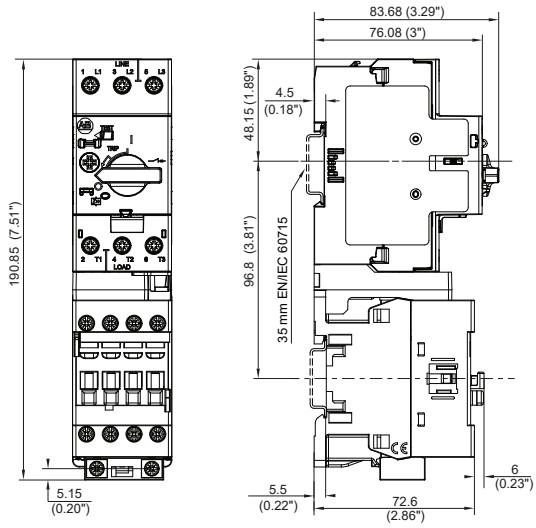
140MT-D9* + 140MT-D-PEC37 + 100-C



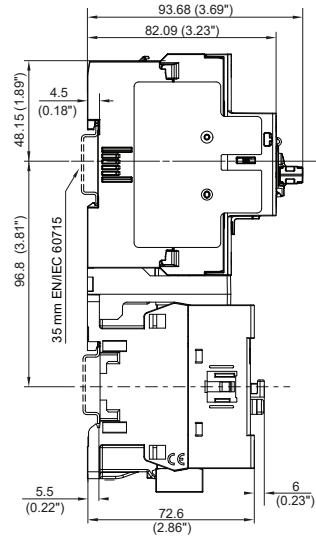
140MT-C3E + 140MT-C-PEK12 + 100-K



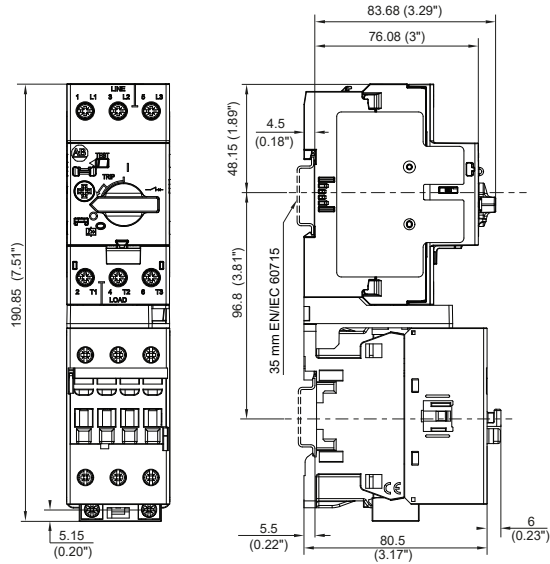
140MT-C3E + 140MT-C-PE16 + 100-E16*



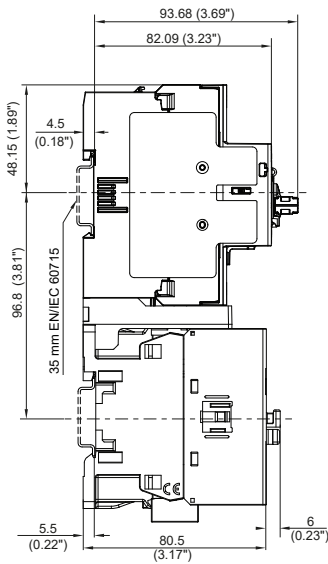
140MT-D9* + 140MT-D-PE16 + 100-E16*



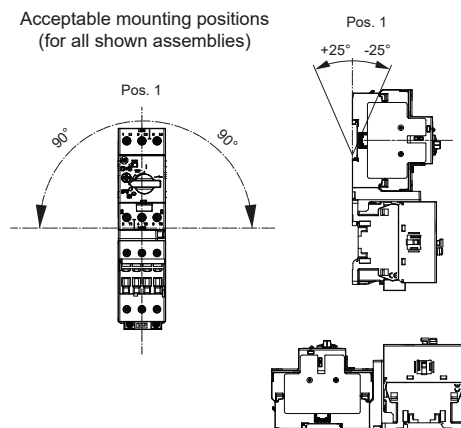
140MT-C3E + 140MT-C-PE38 + 100-E38*







140MT-D9* + 140MT-D-PE38 + 100-E38*



Acceptable mounting positions
(for all shown assemblies)



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Rockwell Automation maintains current product environmental compliance information on its website at rok.auto/pec.

Product certificates are located in the Rockwell Automation Literature Library: rok.auto/certifications.

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EEE Yönetmeliğine Uygundur

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