

100-IN079B-EN-E September 2020

Operating instructions	Contactor	Accessories	IEC/EN 60947-4-1	
Instruções de operação	Contactor	Acessórios	UL 60947-4-1	
Notice d'utilisation	Contacteur	Accessoires	CAN/CSA-C22.2 No. 60947-4-1	
Istruzioni d'uso	Contactore	Accessori	GB/T 14048.4	
Betriebsanleitung	Schütz	Zubehör	IEC/EN 60947-5-1	
Instrucciones de operación	Contactor	Accesorios	UL 60947-5-1	
Инструкции по эксплуатации	КОНТАКТОР	Аксессуары	CAN/CSA-C22.2 No. 60947-5-1	
操作说明	接触器	附件	GB/T 14048.5	
사용자 매뉴얼	전자개폐기	악세서리		

**Attention!** Risk of electrical shock. Disconnect power before servicing, commissioning, decommissioning, and dismantling. Installation and commissioning of this product must be carried out by a qualified electrician, following installation standards and safety regulations. Before installing the contactor, make sure that the control voltage supply corresponds with the marked control voltage. High voltage testing shall not be carried out across the control terminals (A1 and A2). Applying the wrong control voltage or high voltage across the terminals can damage the contactor's electronic control circuits. Do not touch live parts.

**Atenção!** Risco de choque elétrico. Desconecte a alimentação antes de fazer manutenção, comissionamento, desativação e desmontagem. A instalação e comissionamento deste produto devem ser efetuados por um electricista qualificado, de acordo com as normas de instalação e de segurança. Antes de instalar o contactor, certifique-se de que a alimentação de tensão de controle corresponda à tensão de controle marcada. Os testes de alta tensão não devem ser realizados através dos terminais de controle (A1 e A2). Aplicar a tensão de controle ou alta tensão erradas, através dos terminais, pode danificar os circuitos de controle eletrônico do contactor. Não toque nas peças sob tensão.

**Attention!** Risque de choc électrique. Débrancher l'alimentation électrique avant toute intervention, mise en service ou mise hors service et démantèlement. L'installation et la mise en service de ce produit doivent être réalisées par un électricien qualifié, en respectant les normes d'installation et les réglementations, relatives à la sécurité. Avant l'installation du contacteur, vérifiez que la tension de commande fournie correspond à la tension de commande indiquée. Des tests de tension élevée ne doivent pas être réalisés sur les bornes de commande (A1 et A2). L'application d'une tension erronée ou d'une tension élevée sur les bornes peut endommager les circuits électroniques du contacteur. Ne pas toucher les pièces sous tension.

**Attenzione!** Rischio di scossa elettrica. Interrompere l'alimentazione prima di ogni operazione di manutenzione, messa in servizio, dismissione e smontaggio. Le operazioni di installazione e messa in servizio di questo prodotto devono essere effettuate da un elettricista qualificato, nel rispetto degli standard di installazione e delle norme di sicurezza. Prima dell'installazione del contactore, verificare che la tensione di controllo fornita dall'alimentazione corrisponda a quella indicata. Non eseguire i test ad alta tensione su morsetti di controllo (A1 e A2). L'applicazione di alta tensione o di una tensione di controllo non corretta ai morsetti può danneggiare i circuiti elettronici di controllo del contactore. Non toccare le parti in tensione.

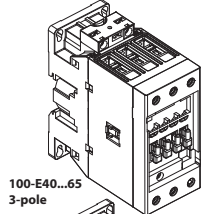
**Achtung!** Stromschlaggefahr. Unterbrechen Sie vor Wartungsarbeiten, Inbetriebnahme, Außerbetriebnahme und Demontage die Stromversorgung. Die Installation und Inbetriebnahme dieses Produkts darf nur durch einen Elektrofachmann gemäß den Installationsstandards und Sicherheitsvorschriften durchgeführt werden. Stellen Sie vor der Installation des Schützes sicher, dass die Steuerspannungsversorgung der angegebenen Steuerspannung entspricht. An den Steuerklemmen (A1 und A2) dürfen keine Hochspannungstests durchgeführt werden. Beim Anlegen der falschen Steuerspannung oder beim Anlegen von Hochspannung an den Klemmen können die elektronischen Steuerstromkreise des Schützes beschädigt werden. Berühren Sie niemals stromführende Teile.

**¡Atención!** Riesgo de descarga eléctrica. Desconecte la alimentación eléctrica antes de dar servicio, poner en marcha, retirar de servicio y desmontar. La instalación y la puesta en marcha de este producto se deben llevar a cabo por un electricista cualificado de acuerdo con las normas de instalación y regulaciones de seguridad. Antes de instalar el contactor, asegúrese de que la alimentación de tensión de control corresponda a la tensión de control indicada. No se deben realizar pruebas de alta tensión de los terminales de control (A1 y A2). La aplicación de tensión de control incorrecta o alta tensión incorrecta a los terminales puede dañar los circuitos de control electrónicos del contactor. No toque partes activas.

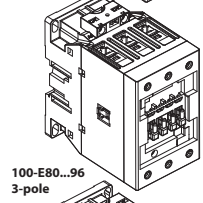
**Внимание!** Опасность поражения электрическим током. Отключите питание перед выполнением обслуживания, ввода в эксплуатацию, вывода из эксплуатации и демонтажа. Монтаж и ввод данного изделия в эксплуатацию должен выполняться квалифицированным электриком в соответствии со стандартами электрического монтажа и правилами техники безопасности. Перед установкой контактора убедитесь в том, что подаваемое управляющее напряжение соответствует управляющему напряжению, указанному на паспортной табличке. Запрещается проводить высоковольтные испытания через клеммы управления (A1 и A2). Приложение некорректного управляющего напряжения или высокого напряжения к клеммам может повредить электронные цепи управления контактора. Не прикасайтесь к деталям, находящимся под напряжением.

**注意!** 电击危险。请在维修、调试、撤拆和拆解前断开电源。本产品的安装和调试必须由具有资质的电工根据安装标准和安全法规来执行。安装接触器前，确保控制电源电压与标识的控制电压一致。控制端子之间（A1 和 A2）不得执行高压测试。在此类端子间施加错误的控制电压或高压会损坏接触器的电子控制电路。不得触碰带电部件。

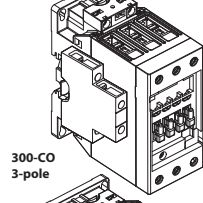
**주의!** 감전 위험, 작동, 시운전, 해체 및 철거 전에 전원을 분리하십시오. 이 제품의 설치 및 시운전은 설치 표준 및 안전 규정에 따라 자격을 갖춘 전기기사만 수행할 수 있습니다. 콘택터를 설치하기 전에 제어 전압 공급이 표시된 제어 전압과 일치하는지 확인하십시오. 고전압 테스트는 제어 단자 (A1 및 A2) 전체에 걸쳐 수행하면 안 됩니다. 단자 전체에 걸쳐 잘못된 제어 전압이나 고전압을 적용하면 콘택터의 전자 제어 회로가 손상될 수 있습니다. 전기가 흐르는 부분을 만지지 마십시오.



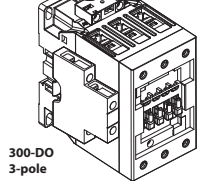
100-E40...65  
3-pole



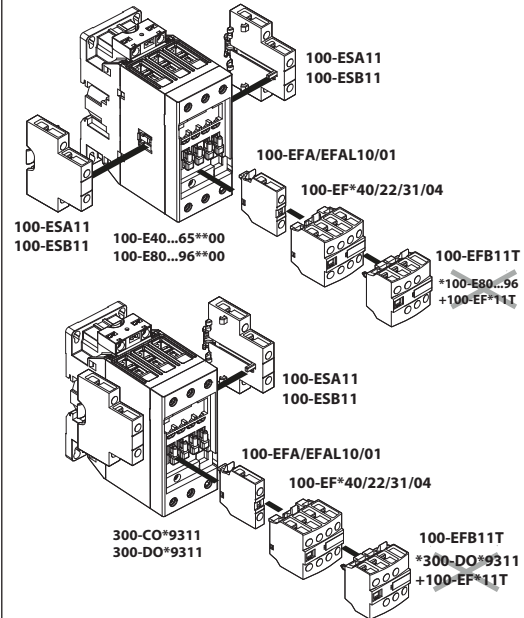
100-E80...96  
3-pole



300-CO  
3-pole



300-DO  
3-pole



100-ESA11  
100-ESB11

100-EFA/EFAL10/01

100-EF\*40/22/31/04

100-EFB11T  
\*100-E80...96  
+100-EF\*11T

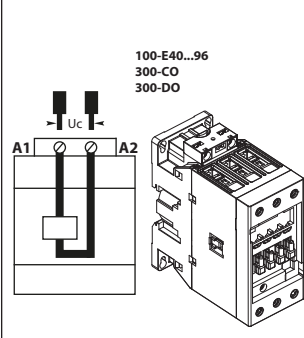
100-ESA11  
100-ESB11

100-EFA/EFAL10/01

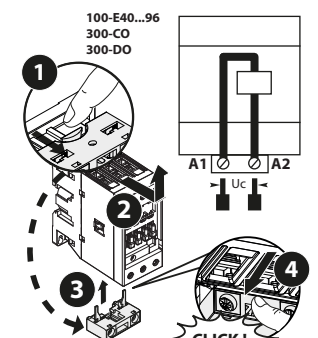
100-EF\*40/22/31/04

300-CO\*9311  
300-DO\*9311

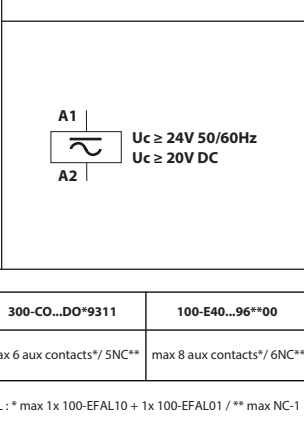
100-EFB11T  
\*300-DO\*9311  
+100-EF\*11T



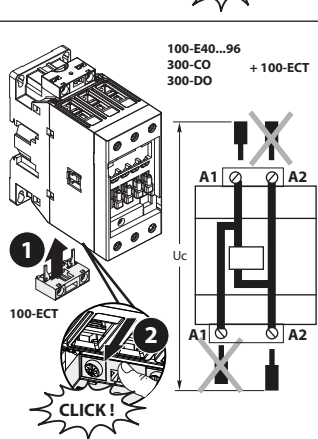
100-E40...96  
300-CO  
300-DO



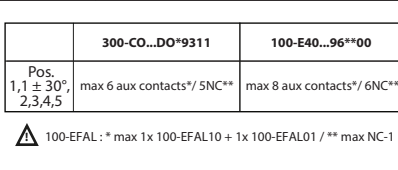
100-E40...96  
300-CO  
300-DO  
+ 100-ECT



100-E40...96  
300-CO  
300-DO  
+ 100-ECT



100-E40...96  
300-CO  
300-DO  
+ 100-ECT



	300-CO...DO*9311	100-E40...96**00
Pos. 1,1 ± 30°, 2,3,4,5	max 6 aux contacts*/ 5NC**	max 8 aux contacts*/ 6NC**

⚠ 100-EFAL: \* max 1x 100-EFAL10 + 1x 100-EFAL01 / \*\* max NC-1

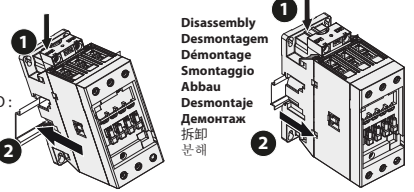
100-E40...65 300-CO	M6 4 N.m 35 lb.in	Ø 6.5 (Ø 0.23)	pozitiv N°2	Solid AWG 2x10	2x4...35	2x4...35	L = 16 (L = 0.63)	L = 9.2 (0.36) H1 = 7.9 (0.31) H2 = 10.3 (0.40)	—
100-E80...96 300-DO	M8 6 N.m 53 lb.in	—	hexagon 4mm	Stranded AWG 2x6...30 1x6...70 2x6...110	2x6...50	2x6...50	L = 17 (L = 0.67)	L = 12.3 (0.48) H1 = 9.3 (0.37) H2 = 11.1 (0.44)	—
300-CO*9311 300-DO*9311	M3.5 1.2 N.m 11 lb.in	Ø 5.5 (Ø 0.22)	pozitiv N°2	2x5 17.5 18.14	2x0.75...2.5	1x0.75...2.5 2x0.75...1.5	L = 10 (L = 0.39)	L < 8 (L < 0.31)	—
100-E40...96 300-CO...DO	M3.5 1.2 N.m 11 lb.in	Ø 5.5 (Ø 0.22)	pozitiv N°2	2x5 17.5 18.14	2x0.75...2.5	1x0.75...2.5 2x0.75...1.5	L = 10 (L = 0.39)	L < 8 (L < 0.31)	—
100-EFA... 100-EFB... 100-EFC... 100-ESA11 100-ESB11	M3.5 1.2 N.m 11 lb.in	Ø 5.5 (Ø 0.22)	pozitiv N°2	2x5 17.5 18.14	2x0.75...2.5	1x0.75...2.5 2x0.75...1.5	L = 10 (L = 0.39)	L < 8 (L < 0.31)	—

According to UL 60947-4-1 and CAN/CSA-C22.2 No. 60947-4-1 suitable for use on a circuit capable of delivering not more than the max. symmetrical amperes at the max. voltage shown in the table below.  
 WARNING : if opening of BCP controller shall be examined and replaced if damaged.  
 ATTENTION : Si le circuit de protection est ouvert, le contacteur doit être examiné et remplacé au besoin.

Contactor	100-E40...E52 300-CO		100-E65		100-E80...E96 300-DO	
	Max Fuse					
Fuse	150/RKS		150A/I		200/RKS	
Max Shortcircuit at 480, 600V (kA)	5		100		100	
Contactor	100-E40...E52 300-CO		100-E65...E96 300-DO		100-E40...E96 300-CO...DO	
Circuit Breaker	140G-J0F3-D25 140G-J6F3-D25		140G-J0F3-D25 140G-J6F3-D25		140G-J0F3-D25 140G-J6F3-D25	
Max Shortcircuit at 480V (kA)	5		10		65	
600V (kA)	5		10		25	

Assembly Montage Montaggio Anbau Montaje Монтаж

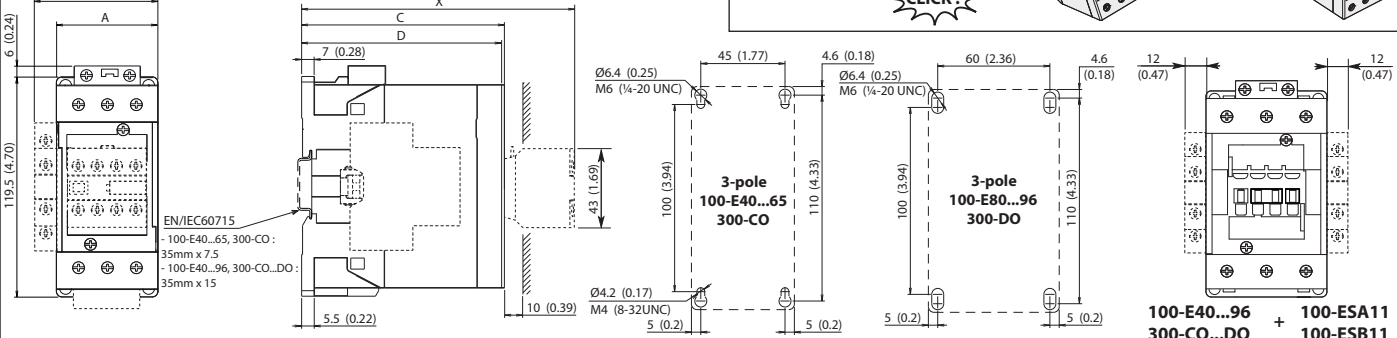
EN/IEC 60715  
 - 100-E40...65, 300-CO : 35mm x 7.5  
 - 100-E40...96, 300-CO...DO : 35mm x 15



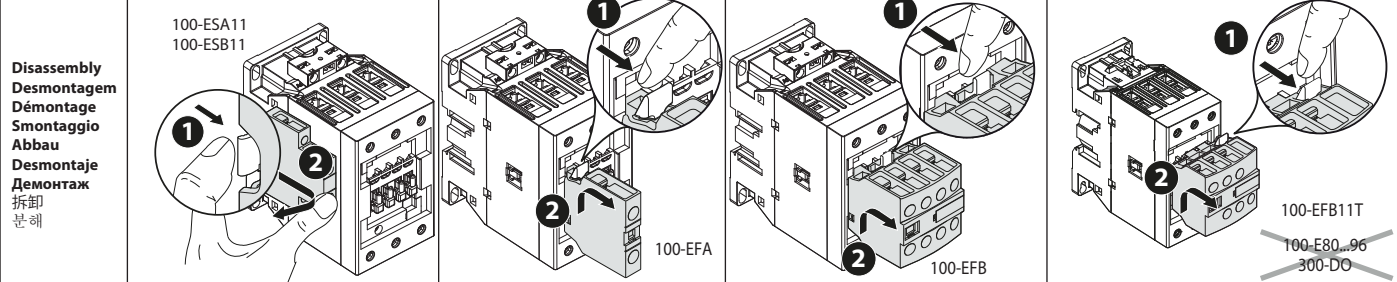
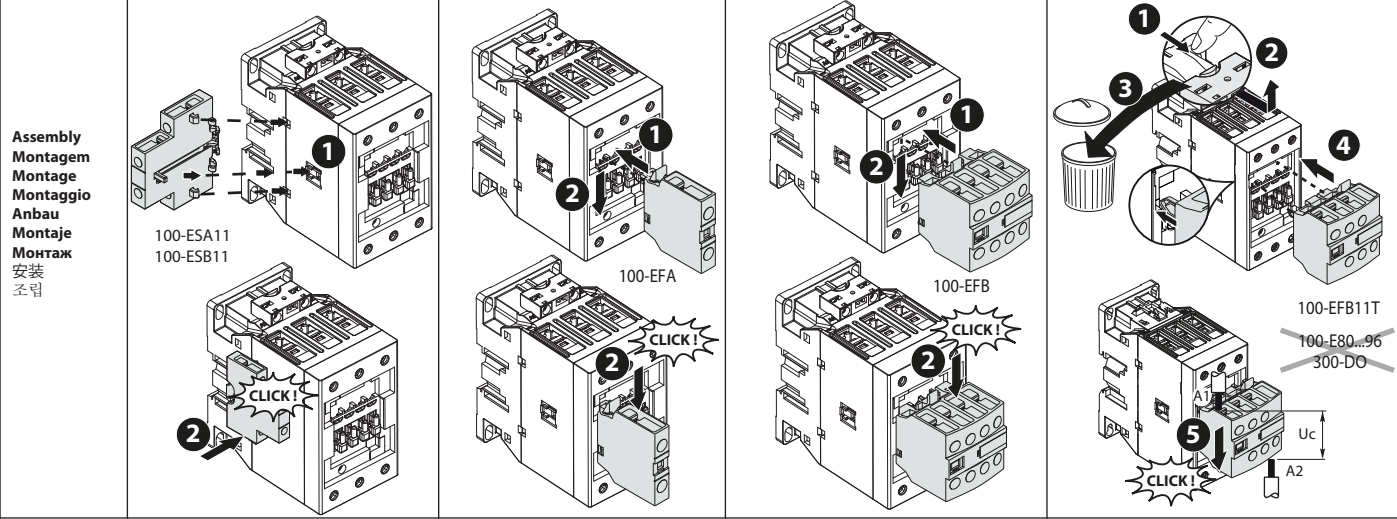
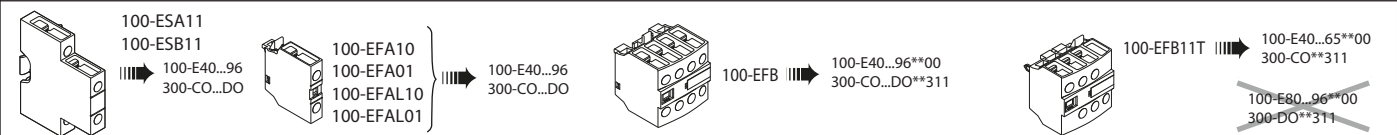
Disassembly Desmontage Démontage Smontaggio Abbau Desmontaje Demontaj Разбор

Acc. to UL 60947-4-1 and CAN/CSA-C22.2 No. 60947-4-1, min. enclosure for:  
 100-E40...65, 300-CO : 255 x 180 x 175mm  
 100-E80...96, 300-DO : 300 x 300 x 200mm

	A	B	C	D	X
100-E40...65**00	55 (2.17)	—	111 (4.37)	109 (4.29)	144 (5.67)
300-CO**311	55 (2.17)	67 (2.64)	—	—	136 (5.35)
100-E80...96**00	70 (2.76)	—	116 (4.57)	112.5 (4.43)	149 (5.87)
300-DO**311	70 (2.76)	82 (3.23)	—	—	—



100-E40...96 + 100-ESA11  
 300-CO...DO + 100-ESB11



Rockwell Automation maintains current product environmental information on its website at <http://www.rockwellautomation.com/rockwellautomation/about-us/sustainability-ethics/product-environmental-compliance.page>.

Allen-Bradley, Rockwell Software, and Rockwell Automation are trademarks of Rockwell Automation, Inc. Trademarks not belonging to Rockwell Automation are property of their respective companies

[www.rockwellautomation.com](http://www.rockwellautomation.com)

Allen-Bradley • Rockwell Software

Rockwell Automation

Power, Control and Information Solutions Headquarters

Americas: Rockwell Automation, 1201 South Second Street, Milwaukee, WI 53204-2496 USA, Tel: (1) 414.382.2000, Fax: (1) 414.382.4444

Europe/Middle East/Africa: Rockwell Automation NV, Pegasus Park, De Kleetlaan 12a, 1831 Diegem, Belgium, tel: (32) 2 663 0600, Fax: (32) 2 663 0640

Asia Pacific: Rockwell Automation, Level 14, Core F, Cyberport 3, 100 Cyberport Road, Hong Kong, Tel: (852) 2887 4788, Fax: (852) 2508 1846

Publication 100-IN079B-EN-E September, 2020

DIR 10004377279 (Version 01)

Copyright © 2019 Rockwell Automation, Inc.

All Rights Reserved. Printed in France

