

## Installation instruction

**Attention:** To prevent electrical shock, disconnect from power source before installing or servicing. Install in suitable enclosure. Keep free from contaminants. Manual operation of the contactor is not recommended.

## Montageanleitung

**Achtung:** Vor Installations- oder Servicearbeiten Stromversorgung unterbrechen, um Unfälle zu vermeiden. Die Geräte müssen in einem passenden Gehäuse eingebaut und gegen Verschmutzung geschützt werden. Das Betätigen des Schützes von Hand wird nicht empfohlen.

## Instruction de montage

**Attention:** Avant le montage et la mise en service, couper l'alimentation secteur afin d'éviter tout accident. Prévoir une mise en coffret ou armoire appropriée. Protéger le produit contre les environnements agressifs. L'actionnement manuel du contacteur n'est pas recommandée.

## Istruzione per il montaggio

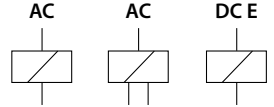
**Attenzione:** Per prevenire infortuni, togliere tensione prima dell'installazione o manutenzione. Installare in custodia idonea. Tenere lontano da contaminanti. L'operazione manuale del contattore non è raccomandato.

## Instrucción de montaje

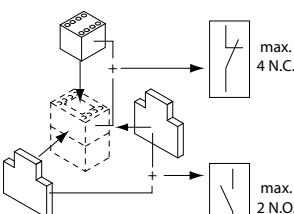
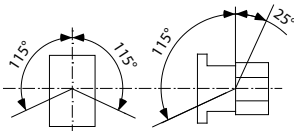
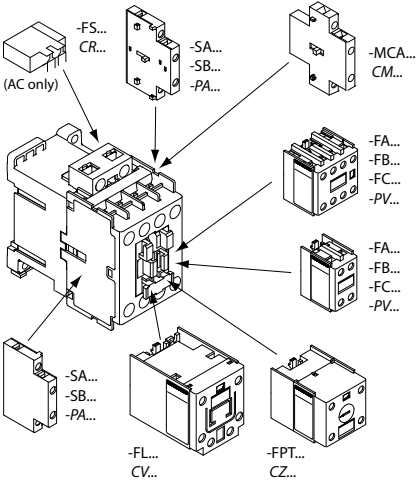
**Atención:** Desconectar la alimentación eléctrica antes de realizar el montaje y la puesta en servicio, con el objeto de evitar accidentes. Instalado en una caja o armario apropiado. Proteger el producto de los ambientes agresivos. La operación manual del contactor no es recomendada.



...-C09 / ...-9  
 ...-C12 / ...-12  
 ...-C16 / ...-16  
 ...-C23 / ...-23  
 ...-CF / CS-...  
 ...-CFM / CS.-M...  
 ...-CFB / CS.-B...

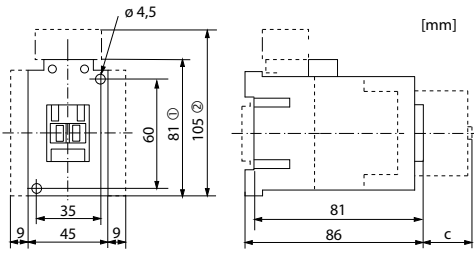


IEC 60947-1/-4-1/-5-1  
 EN 60947-1/-4-1/-5-1  
 UL 508  
 CSA C22.2 No. 14



 	 2 x 1...4 mm <sup>2</sup> No. 16...10 AWG Use 75°C Cu wire only	 1,5...2,0 Nm 13,3...17,7 lb-in  No. 3 Pozidriv No. 2
 	 1 x 0,5...2,5 mm <sup>2</sup> 2 x 0,75...2,5 mm <sup>2</sup> No. 18...14 AWG Use 75°C Cu wire only	 1...1,5 Nm 8,9...13 lb-in  No. 3 Pozidriv No. 2
 	 1 x 1...2,5 mm <sup>2</sup> 2 x 1...2,5 mm <sup>2</sup> No. 16...12 AWG Use 75 ° C Cu wire only	 1...1,5 N 8,9...13 lb-in  No. 3 Pozidriv No. 2

IEC 60947-4-1, EN 60947-4-1 U <sub>e</sub> ≤ 690 V		gG  max.		max.
 	Size	Type 1	Type 2	Type 2
	9	50 A	25 A	
	12	50 A	35 A	
	16	50 A	35 A	
	23	80 A	40 A	
IEC 60947-5-1, EN 60947-5-1		gG  max.		
 	9, 12, 16, 23 ...-CF(M) / CS.-M...	20 A		
	...-CFB / CS.-B...	10 A		
 		10 A		



- ① AC + DCE 12/24 V
- ② DCE 36...250 V

c [mm]	34	53	56

- Minimum distance to grounded parts or walls = 6 mm
- Minimaler Abstand gegen geerdete Teile oder Wände = 6 mm
- Distance minimale envers pièces mises à terre ou parois = 6 mm
- Distanza minima per pezzi a massa o pareti = 6 mm
- Distancia mínima a chasis o paredes = 6 mm

**USA/CND**

Suitable for use on a circuit capable of delivering not more than XXX rms symmetrical amperes.

Size	XXX = 5'000 A		XXX = 100'000 A
	Max. Fuse 600 V max.	Max. Circuit Breaker 480 V max.	Max. Class J or CC Fuse 600 V max.
9	35 A	30 A	20 A
12	40 A	30 A	20 A
16	70 A	50 A	30 A
23	90 A	50 A	40 A

