

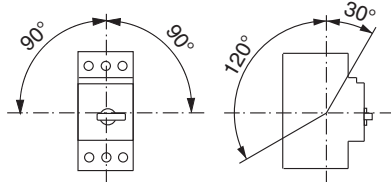
Motor Protection Circuit Breaker

(Cat 140M-C2E-...; 140M-C2N-...; 140M-C2T-...; 140M-D8E-...; 140M-D8N-...; 140M-D8T-...; 140M-D8V-...)

- WARNING:** To prevent electrical shock, disconnect from power source before installing or servicing. Install in suitable enclosure. Keep free from contaminants.
- WARNUNG:** Vor Installations- oder Servicearbeiten Stromversorgung unterbrechen, um Unfälle zu vermeiden. Die Geräte müssen in einem passenden Gehäuse eingebaut und gegen Verschmutzung geschützt werden.
- AVERTISSEMENT:** 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.
- AVVERTENZA:** Per prevenire infortuni, togliere tensione prima dell'installazione o manutenzione. Installare in custodia idonea. Tenere lontano da contaminanti.
- ADVERTENCIA:** 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.
- ПРЕДУПРЕЖДЕНИЕ:** Для предотвращения удара электрическим током отключите питание перед монтажом или обслуживанием. Устанавливайте в соответствующий корпус. Устанавливать в местах, защищённых от грязи и пыли.



IEC/EN 60947-2, -4-1
UL 60947-4-1
CAN/CSA-C22.2 No. 60947-4-1
GB 14048.2



L1 L2 L3
1 3 5
2 4 6
T1 T2 T3

1 x 1...6 mm²
2 x 1...4 mm²

2 x 1...6 mm²

2 x No. 16...8 AWG

2 x 1...6 mm²
2 x No. 16...10 AWG

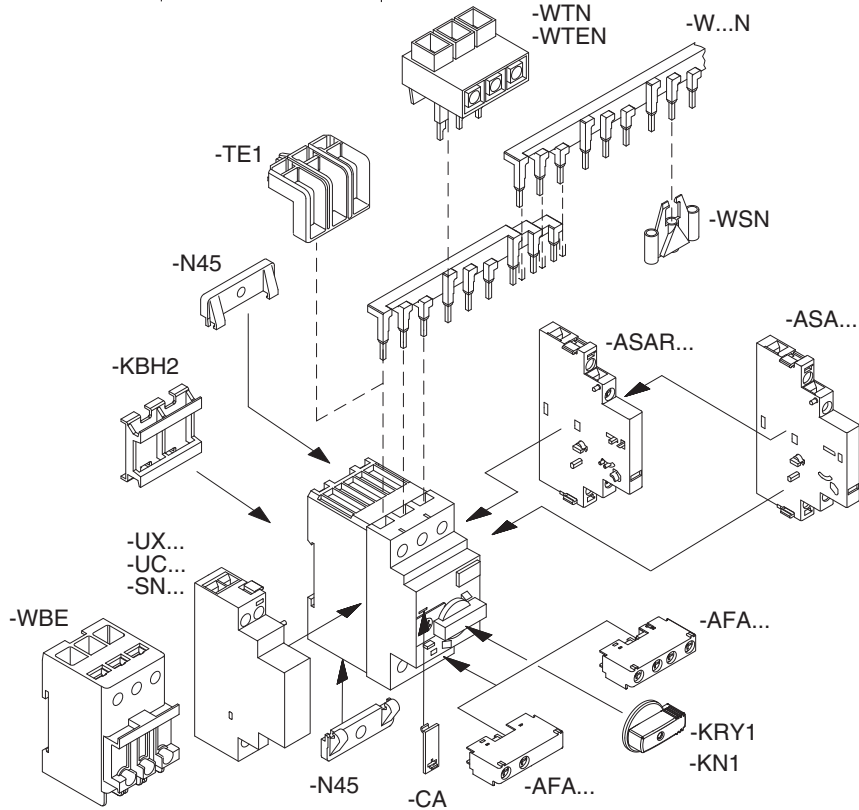
9mm

Use 75°C Cu wire only

2...2,5 Nm
18...22 lb-in

No. 3

Pozidriv No. 2

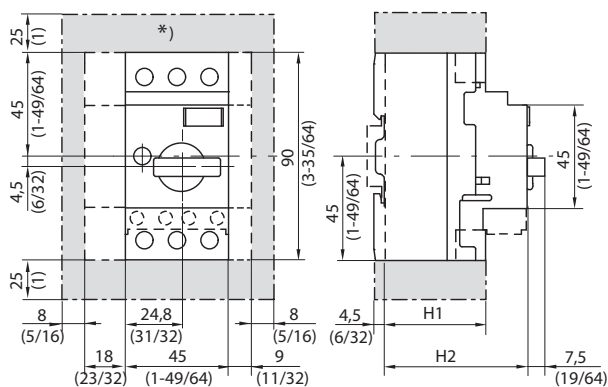


Short Circuit Ratings

Cat. No.	USA/CND Manual Motor Controller and Self-Protected Combination Motor Controller					
	Group Motor Installation		Motor Disconnect		Self-Protected Combination Motor Controller and Tap Conductor Protection in Group Installation for Manual Motor Controller	
	480V	600V	480V	600V	480Y/277V	600Y/374V
Max. Short Circuit Current [kA]						
Allen-Bradley	480V	600V	480V	600V	480Y/277V	600Y/374V
140M-C2E-A16...B16	65	47	65	47	65	47
140M-C2E-B25	65	30	65	30	65	30
140M-C2E-B40	65	25	65	25	65	25
140M-C2E-B63...C10	65	30	65	30	65	—
140M-C2E-C16	30	30	30	30	30	—
140M-C2E-C20	30	30	10	10	10	—
140M-C2E-C25	25	10	10	5	—	—
140M-C2E-C29...C32	25	5	10	—	—	—
140M-C2T-A16...B10	65	47	65	47	65	47
140M-C2T-B16	65	47	65	47	65	30
140M-C2T-B25	65	25	65	25	65	25
140M-C2T-B40	65	30	65	30	65	—
140M-C2T-C10	30	30	30	30	30	—
140M-C2T-C16	30	30	10	10	10	—
140M-C2N-A16...B16	65	47	65	47	—	—
140M-C2N-B25	65	30	65	30	—	—

Cat. No.	USA/CND Manual Motor Controller and Self-Protected Combination Motor Controller					
	Group Motor Installation		Motor Disconnect		Self-Protected Combination Motor Controller and Tap Conductor Protection in Group Installation for Manual Motor Controller	
	480V	600V	480V	600V	480Y/277	600Y/374V
Max. Short Circuit Current [kA]						
Allen-Bradley	480V	600V	480V	600V	480Y/277	600Y/374V
140M-D8E-B25...C16	65	30	65	30	65	30
140M-D8E-C20	65	30	65	30	65	—
140M-D8E-C25	30	30	30	30	30	—
140M-D8E-C29...32	30	30	30	18	—	—
140M-D8N-B25...C16	65	30	65	30	—	—
140M-D8N-C25	30	30	30	30	—	—
140M-D8N-C32	30	30	30	18	—	—
140M-D8T-C16	65	30	65	30	65	30
140M-D8T-C20	30	30	30	30	30	—
140M-D8V-B16...C20	65	—	65	—	65	—
140M-D8V-C25	30	—	30	—	30	—
140M-D8V-C29	30	—	30	—	—	—
140M-D8V-C32	30	—	30	—	—	—

	140M-C2...	140M-D8...
H1	44 (1-47/64)	54 (2-1/8)
H2	62 (2-7/16)	72 (2-53/64)



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

140M-D8N do not provide thermal protection for themselves nor for downstream components. A separate protective device against thermal overload must be installed, e.g. an O/L relay as part of a starter combination. Refer to derating specification for heavy duty starting.

140M-D8N beinhalten weder für sich selbst noch nachfolgende Teile thermischen Schutz. Gegen thermische Überlast muss ein externes Schutzorgan installiert sein, z.B. ein Überlastrelais als Teil einer Starterkombination. Siehe Derating-Spezifikation für Scheranläufe.

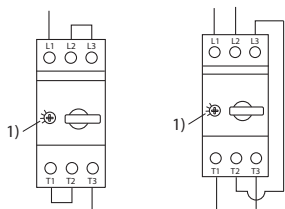
140M-D8N ne sont pas autoprotégés et ne comportent aucune protection contre les surcharges thermiques. Il faut donc prévoir des organes de protection externes comme par ex. des relais thermiques ou électroniques dans les ensembles démarreurs moteurs. Voir spécifications de derating pour démarrages difficiles.

140M-D8N non prevedono alcun tipo di protezione termica, né per se stessi né per i componenti a valle. Pertanto sarà necessario installare un dispositivo di protezione termica separato, quale ad esempio un relè di sovraccarico integrato nel gruppo di avviamento. Riferirsi alla tabella di declassamento per avviamenti gravosi.

140M-D8N carecen de protección térmica propia y para los componentes subsiguientes. Se debe instalar por separado un dispositivo de protección para sobrecargas térmicas, como por ejemplo, un relé de sobrecarga que forme parte de un arrancador de combinación. Consultar la desclasificación correspondiente para arranque duro.

140M-D8N не обеспечивают защиту от перегрузки сами себя а так же компонентов подключенных ниже. Для защиты от перегрузки должно быть установлено дополнительное устройство защиты, например реле перегрузки в составе пускателя. При тяжелых пусках используйте таблицу снижения номинальных рабочих характеристик.

Wiring Diagrams for 1- or 2-Phase Application

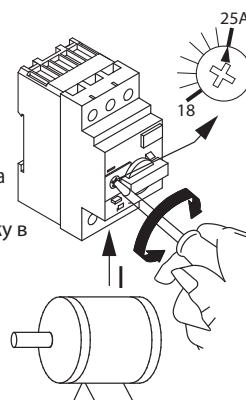


For 1- or 2-Phase Motor Application

- Set to 105% of motor current.
 Stellen Sie 105% des Motorstromes ein.
 Régler à 105% de la valeur du courant moteur.
 Regolare a 105% della corrente del motore
 Ajustar a 105% de la corriente del motor.



WARNING: Do not set outside scale!
WARNUNG: Nicht ausserhalb Skala einstellen!
AVERTISSEMENT: Défense d'ajuster le courant en dehors de la plage indiquée!
AVVERTENZA: E vietato di regolare la corrente fuori dal campo di taratura!
ADVERTENCIA: ¡Prohibido de regular la corriente fuera del campo de la escala!
ПРЕДУПРЕЖДЕНИЕ: Выставлять уставку в пределах диапазона!



For UL Control Transformer Protection

- The device is to be installed only on the load side of branch circuit protection.
- Set the current adjustment not more than the rated input current of the control transformer.
- Use only in the specific supply voltage system as marked on the device

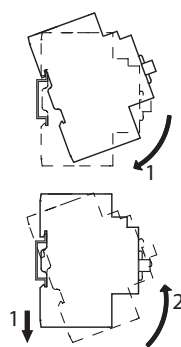
Motor Protection / Circuit Breaker

This device meets the requirements of IEC 60947-2 as a circuit breaker. It is cULus listed (UL and CSA approved) as:

- A Manual Motor Controller with optional approvals for Group Motor, Motor Disconnect and Tap Conductor Protection.
- A Manual, Self-Protected Combination Motor Controller (Construction Typ. E).

140M-D8V-...

VFD output frequency < 400Hz, PVM frequency $f_c < 4\text{kHz}$
 Current setting: VFD in = max. input current, VFD out = rated motor current.
 For more details see technical specification.
 2) Not applicable for 140M-D8V*



	-WTN -WTEN
	1 x 2.5...25 mm ² 1 x No. 14...4 AWG
	1 x 2.5...25 mm ² 1 x No. 14...4 AWG
	1 x 2.5...25 mm ² 1 x No. 14...4 AWG
	1 x 2.5...25 mm ² 1 x No. 14...4 AWG
	12 mm
	Use 75°C Cu wire only
	3...3.5 Nm 27...31 lb-in
	5.5 mm No. 3 0.8 mm
	Pozidriv No. 2

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

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