




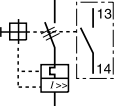
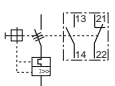
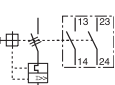

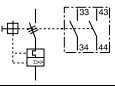

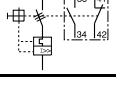


# Accessories

Table 34 - Auxiliary Contacts

Description	Operator Position <sup>(1)</sup>			Term. No.	Contact Description	Connection Diagram <sup>(2)</sup>	For Use With	Cat. No.
	OFF	ON	Tripped					
								
 Front-Mounted Auxiliary Contact <ul style="list-style-type: none"> <li>1-pole or 2-pole</li> <li>No additional space required</li> <li>Only one per device</li> </ul>	0	X	0	13-14	N.O. Aux		140MT (all) 140UT-D	140MT-C-AFA10
	0	X	0	13-14	N.O. Aux		140MT (all) 140UT-D	140MT-C-AFA11
	X	0	X	21-22	N.C. Aux			
	0	X	0	13-14	N.O. Aux		140MT (all) 140UT-D	140MT-C-AFA20
	0	X	0	23-24	N.O. Aux			
 Right Side-Mounted Auxiliary Contact <ul style="list-style-type: none"> <li>2-pole</li> <li>Adds 9 mm (0.35 in.) to the width of the device</li> <li>One per device</li> <li>Not suitable for UL 489 applications</li> </ul>	0	X	0	33-34	N.O. Aux		140MT (all) 140UT-D	140MT-C-ASA20
	0	X	0	43-44	N.O. Aux			
	X	0	X	31-32	N.C. Aux		140MT (all) 140UT-D	140MT-C-ASA02
	X	0	X	41-42	N.C. Aux			
	0	X	0	33-34	N.O. Aux		140MT (all) 140UT-D	140MT-C-ASA11
	X	0	X	41-42	N.C. Aux			

(1) X = Contact Closed; 0 = Contact Open

(2) Connection Diagram Reference:

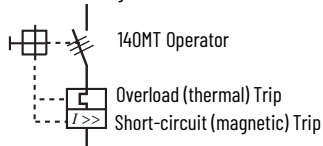

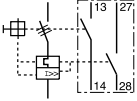
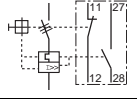
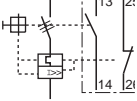
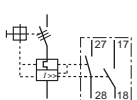


Table 35 - Trip Contacts

Description		Operator Position <sup>(1)</sup>			Term. No.	Contact Description	Connection Diagram <sup>(2)</sup>	For Use With	Cat. No.
		OFF	ON	Tripped					
 Front-Mounted Trip Contact • 2-pole • Indicates tripping of device • No additional space required		0	X	0	13-14	N.O. Aux		140MT (all) 14OUT-D	140MT-C-AFAR10A10
		0	0	X	27-28	N.O. Trip (short-circuit and overload)			
		X	0	X	11-12	N.C. Aux		140MT (all) 14OUT-D	140MT-C-AFAR10A01
		0	0	X	27-28	N.O. Trip (short-circuit and overload)			
		0	X	0	13-14	N.O. Aux		140MT (all) 14OUT-D	140MT-C-AFAR01A10
		X	X	0	25-26	N.C. Trip (short-circuit and overload)			
		0	0	X	27-28	N.O. Trip (short-circuit and overload)		140MT (all) 14OUT-D	140MT-C-AFAR10M10
		0	0	X	17-18	N.O. Trip (short-circuit)			

(1) X = Contact Closed; 0 = Contact Open  
(2) Connection Diagram Reference:

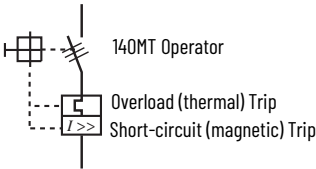

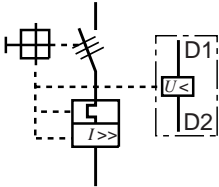


Table 36 - Undervoltage Trip Units

Description		Connection Diagram <sup>(1)</sup>	Trip Rating	For Use With	Cat. No.
 Undervoltage Trip <ul style="list-style-type: none"><li>Left-side mounted</li><li>Adds 18 mm to the width of the device</li><li>Automatically trips MPCB/MCP when voltage falls below 35...70%</li></ul>			24V, 50 Hz/24...28V, 60 Hz	140MT (all) 14OUT-D	140MT-C-UXK
			120V, 60 Hz		140MT-C-UXD
			220...230V, 50 Hz		140MT-C-UXF
			240...260V, 60 Hz		140MT-C-UXA
			380...400V, 50 Hz		140MT-C-UXN
			480V, 60 Hz/415V, 50 Hz		140MT-C-UXB

(1) Connection Diagram Reference:

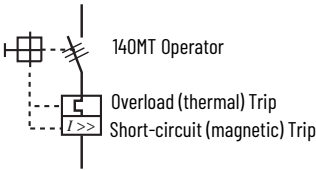

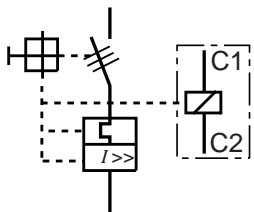


Table 37 - Shunt Trip Units

Description	Connection Diagram <sup>(1)</sup>	Trip Rating	For Use With	Cat. No.
 <p>Shunt Trip</p> <ul style="list-style-type: none"> <li>Left-side mounted</li> <li>Adds 18 mm to the width of the device</li> <li>Provides remote tripping of the MPCB/MCP</li> <li>Maximum on time for DC operated devices: 5 sec.</li> </ul>		24V, 50 Hz/24...28V, 60 Hz	140MT (all) 140UT-D	140MT-C-SNK
		110V, 50 Hz/120V, 60 Hz		140MT-C-SND
		220...230V, 50 Hz		140MT-C-SNF
		240...260V, 60 Hz		140MT-C-SNA
		277V, 60 Hz		140MT-C-SNT
		380...400V, 50 Hz		140MT-C-SNN
		480V, 60 Hz/415V, 50 Hz		140MT-C-SNB
		24V DC		140MT-C-SNZJ

(1) Connection Diagram Reference:

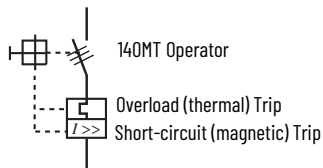


Table 38 - Additional Accessories








	Description		For Use With	Cat. No.
	<p>Anti-Tamper Shield</p> <ul style="list-style-type: none"> <li>Provides protection against inadvertent adjustment of the current setting</li> <li>Must be ordered in multiples of 10 (10 pieces/package)</li> </ul>		140MT (all)	140MT-C-CA
	<p>Lockable Twist Knob</p> <ul style="list-style-type: none"> <li>For one padlock 4...6 mm (3/16 in.) diameter shackle</li> <li>Can be locked in OFF position</li> </ul>	Blue	140MT (all) 140UT-D	140MT-C-KB
		Black		140MT-C-KN
		Red/Yellow		140MT-C-KRY
	<p>Locking Tag</p> <ul style="list-style-type: none"> <li>Padlock attachment to the lockable handles</li> <li>Up to three padlocks 4...8 mm (5/16 in.) diameter shackle</li> </ul>		140MT-C-KB 140MT-C-KN 140MT-C-KRY	140MT-C-M3
	<p>Door Coupling Handle</p> <ul style="list-style-type: none"> <li>For 3 padlocks 4...8 mm (5/16 in.) in diameter</li> <li>IPX4 Protection/Type 1, 3R Interlock override capability</li> <li>Can be modified for locking in ON position</li> <li>Ships with coupling — order extension shaft and legend plate separately</li> </ul>	Black	140MT (all) 140UT-D	140MT-C-DN66
		Red/Yellow	140MT (all) 140UT-D	140MT-C-DRY66

Table 38 - Additional Accessories (Continued)












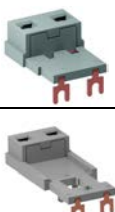


	Description		For Use With	Cat. No.
	Extension Shaft (Short length) • Cut to required length for mounting depth (front of DIN Rail to front of enclosure door) • For Cat. Nos. 140MT-C-DN66 and 140MT-C-DRY66 handles	3.2 cm (1.26 in.)	140MT (all) 140UT- D	140MT-C-DSS
	Extension Shaft (Standard length) • Cut to required length for mounting depth (front of DIN Rail to front of enclosure door) • For Cat. Nos. 140MT-C-DN66 and 140MT-C-DRY66 handles	26 cm (10.24 in.)		140MT-C-DS
	Extension Shaft (Extended length) • Cut to required length for mounting depth (front of DIN Rail to front of enclosure door) • For Cat. Nos. 140MT-C-DN66 and 140MT-C-DRY66 handles	41 cm (16.14 in.)		140MT-C-DSL
	Door Coupling Handle • Type 3, 3R, 4, 4X, 12 (IP66) • For up to 2 padlocks • Fits in 30.5 mm cutout • Requires 140MT-C-DNC coupler	Black	140MT (all) 140UT- D	140MT-SB
		Red/Yellow	140MT (all) 140UT- D	140MT-SY
	Extension Shaft • Cut to required length for mounting depth (front of DIN Rail to front of enclosure door)	12 in. (30.48 cm)	140MT-SB, 140MT-SY	140MT-S1
		21 in. (53.34 cm)	140MT-SB, 140MT-SY	140MT-S2
	Coupler • Included with Cat. Nos. 140MT-C-DN66 and 140MT-C-DRY66		140MT (all) 140UT- D	140MT-C-DNC
	Extension Shaft Support • Provides consistent alignment of the 140MT-C-DS and 140MT-C-DSL shafts with the 140MT-C-DN66 or 140MT-C-DRY66 door coupling handles • Recommended for shaft lengths >200 mm (7.9 in.) • Snaps on the right side of the 140MT-C, -D, -F, or 140UT-D device and allows the addition of one side-mounted auxiliary contact • Width: 9 mm (0.35 in.) • For use with screw-mounted or hat rail mounted devices		140MT (all) 140UT- D	140MT-C-SHS
	Legend Plate	Marking: "Hauptschalter" and "Main Switch"	140MT-C-DN66	140MT-C-DFCN
		Marking: "Not-Aus" and "Emergency Off"	140MT-C-DRY66	140MT-C-DFCRY
	Screw Adapter • For screw arrangement of a motor protection circuit breaker • Must be ordered in multiples of 10 (10 pieces/pkg)		140MT-C, D 140UT- D	140MT-C-N45
			140MT-F	140MT-F-N45

Table 39 - Modules and Adapters

	Description	Rating	For Use With	Cat. No.
	ECO Connecting Module • For direct-on-line (DOL) and reversing starters • Eco-starters mount on single DIN Rail (140MT on DIN Rail) • Electrical and mechanical interconnection of 140MT and 100-K contactors	12 A (IEC), 11 A (UL)	140MT-C to 100-K	140MT-C-PEK12
	ECO Connecting Module • Eco-starters mount on single DIN Rail (140MT on DIN Rail) • Electrical and mechanical interconnection of 140MT MPCB and 100-E contactors	18 A (IEC), 17 A (UL)	140MT-C to 100(S)-E09...16 <sup>(1)</sup>	140MT-C-PE16
			140MT-C to 100(S)-E09QJ...16QJ	140MT-C-PSE16
			140MT-D to 100(S)-E09...16 <sup>(1)</sup>	140MT-D-PE16
			140MT-D to 100(S)-E09QJ...16QJ	140MT-D-PSE16
	ECO Connecting Module • Eco-starters mount on single DIN Rail (140MT on DIN Rail) • Electrical and mechanical interconnection of 140MT MPCB and 100-C contactors	23 A (IEC), 22 A (UL)	140MT-C to 100-C09...C23	140MT-C-PEC23
			140MT-D to 100-C09...C23	140MT-D-PEC23
	ECO Connecting Module • Eco-starters mount on single DIN Rail (140MT on DIN Rail) • Electrical and mechanical interconnection of 140MT MPCB and 100-E contactors	30 A (IEC), 30 A (UL)	140MT-D to 100-C30...C37	140MT-D-PEC37
			140MT-C to 100(S)-E26...38 <sup>(1)</sup>	140MT-C-PE38
			140MT-C to 100(S)-E26QJ...38QJ	140MT-C-PSE38
			140MT-D to 100(S)-E26...38 <sup>(1)</sup>	140MT-D-PE38
	Connecting Module • Contactor and MPCB MUST BE mounted separately on (2) DIN Rails • Electrical interconnection of 140MT and 100-C contactors • Compatible contactor coil types: - AC (all) - 12V DC - 24V DC Electronic	23 A (IEC), 30 A (UL) and 30 A (IEC), 30 A (UL)	140MT-C to 100-C09...C23	140MT-C-PNC23
			140MT-D to 100-C09...C23	140MT-D-PNC23
			140MT-D to 100-C30...C37	140MT-D-PNC37
	Connecting Module • Contactor and MPCB MUST BE mounted separately on (2) DIN Rails • Electrical interconnection of 140MT-F and 100-C contactors	34 A	140MT-F to 100-C30...C37	140MT-F-PNC37
			140MT-F to 100-E26...E38	140MT-F-PNE38
		45 A	140MT-F to 100-C43...C55	140MT-F-PNC55
	Coil Extension Modules • Provides access to coil terminals on 3-component starters • 140MT-F-PSC43 fits ONLY on 140MT-C and 140MT-D MPCBs		100-C09...C23 contactors	140MT-C-PSC23
			100-C30...C37 contactors	140MT-F-PSC43
	Spacing Adapter • Required for self-protected combination motor controller (Type E) applications of Bul. 140MT-C, -D, and -F MPCBs. Not for use with bus bars.		140MT-C, -D	140MT-C-TE
			140MT-F	140MT-F-TE

(1) Not suitable for 100(S)-E09...38QJ or 300(S)-T0...B0QJ contactors.

Table 40 - Other Accessories



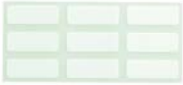



	Description	For Use With	Cat. No.
	Feeder Block for Compact Busbar • Supply of compact busbars • Increases terminal capacity	140MT-C	140MT-C-WBE
		140MT-F	140MT-F-WBE
	Feeder Terminal for Compact Busbar • For supply of compact busbars • Top feed — overlaps compact busbar • Meets UL Type E spacing requirements	140MT-C, -D	140MT-C-WTEN
		140MT-F	140MT-F-WTE

Table 40 - Other Accessories (Continued)

	Description		For Use With	Cat. No.
	Three-phase Compact Busbar for MPCBs – 64 A Max Continuous Current <ul style="list-style-type: none"> <li>• 45 mm (1.77 in.) spacing</li> <li>• For use with front-mounted auxiliary contact</li> </ul>	2 connections	140MT-C, -D	140MT-C-W452
		3 connections		140MT-C-W453
		4 connections		140MT-C-W454
		5 connections		140MT-C-W455
	Three-phase Compact Busbar for MPCBs – 64 A Max Continuous Current <ul style="list-style-type: none"> <li>• 54 mm (2.13 in.) spacing</li> <li>• For use with side-mounted auxiliary contact</li> </ul>	2 connections	140MT-C, -D	140MT-C-W542
		3 connections		140MT-C-W543
		4 connections		140MT-C-W544
		5 connections		140MT-C-W545
	Three-phase Compact Busbar for 80 A MPCBs– 120 A Max. Continuous Current <ul style="list-style-type: none"> <li>• 55 mm (2.165 in.) spacing</li> <li>• For use with front-mounted auxiliary contact</li> </ul>	2 connections	140MT-F	140MT-F-W552
		3 connections		140MT-F-W553
	Terminal Cover <ul style="list-style-type: none"> <li>• For covering of unused compact bus bar terminals IP2X finger protection</li> <li>• Must be ordered in multiples of 10</li> <li>• 10 pieces/pkg</li> </ul>		140MT-C, -D	140MT-C-WSN
			140MT-F	140MT-F-WSN
	Top Hat Rail Adapter – 10 mm (0.39 in.) <ul style="list-style-type: none"> <li>• Adjusts the depth of the 140MT-C to the 140MT-D</li> <li>• Allows the use of compact busbars across both frame sizes</li> <li>• Must be ordered in multiples of 10</li> <li>• 10 pieces/pkg</li> </ul>		140MT-C	140MT-KBH
	DIN (#3) symmetrical hat rail <ul style="list-style-type: none"> <li>• 35 mm x 7.5 mm x 1 m (1.4 x 0.3 x 39 in.) long</li> <li>• 10 pieces/package</li> </ul>		140MT (all) 140UT-D	199-DR1
	DIN (#3) Symmetrical Rail <ul style="list-style-type: none"> <li>• 35 mm x 15 mm x 1 m (1.4 x 0.6 x 39 in.) long</li> <li>• Top Hat Rail (DIN #3 Symmetrical Rail)</li> <li>• 5 pieces/package</li> </ul>		140MT (all) 140UT-D	1492-DR9
	Current Limiter <ul style="list-style-type: none"> <li>• Operational voltage <math>U_e</math>: 690V</li> <li>• Rated impulse-withstand voltage <math>U_{imp}</math>: 6 kV</li> <li>• Thermal current <math>I_{th}</math> <ul style="list-style-type: none"> <li>– IEC: 64 A</li> <li>– UL: 52 A</li> </ul> </li> </ul>		140MT-C, -D	140MT-D-CL
	Plastic Enclosure <ul style="list-style-type: none"> <li>• IP66, Type 4X</li> <li>• Chemical-resistant plastic construction</li> </ul>	Red/yellow handle	140MT-C up to: 13 A (IEC) 16 A (UL)	140MT-C-ENRY
		Black/grey handle	140MT-C up to: 13 A (IEC) 16 A (UL)	140MT-C-ENN

Table 40 - Other Accessories (Continued)

	Description		For Use With	Cat. No.
	Label Sheet • 105 self-adhesive paper labels each, 6 x 17 mm (0.236 x 0.67 in)	Pkg. qty. 10	140MT (all)	100-FMS
	Self-adhesive Markers • 40 markers/card • Package qty. 5 cards	each label 6 x 15 mm (0.236 x 0.59 in)	140MT (all)	1492-MAS6X15
	Adhesive labels • White, halogen-free polyester, with acrylate adhesive • Ambient temperature range -40...+120 °C (-40...+248 °F) • Qty: 3000/roll	each label 6 x 17 mm (0.236 x 0.67 in)	140MT (all)	1492-MDM6X17-W
		each label 8 x 20 mm (0.315 x 0.787 in)	140MT (all)	1492-MDM8X20-W