

# Manual Motor Starter Specifications

Bulletin 140A

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## Additional Resources

These documents contain additional information concerning related products from Rockwell Automation.

Resource	Description
Industrial Automation Wiring and Grounding Guidelines, publication <a href="#">1770-4.1</a>	Provides general guidelines for installing a Rockwell Automation industrial system.
Product Certifications website, <a href="http://www.rockwellautomation.com/global/certification/overview.page">http://www.rockwellautomation.com/global/certification/overview.page</a>	Provides declarations of conformity, certificates, and other certification details.

You can view or download publications at <http://www.rockwellautomation.com/global/literature-library/overview.page>. To order paper copies of technical documentation, contact your local Allen-Bradley distributor or Rockwell Automation sales representative.

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## Product Selection

### 3-pole Manual Motor Starter


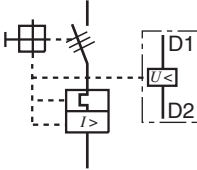

Rated Operational Current $I_e$ [A]	Motor Current Adjustment Range [A]	Magnetic Release Operating Current [A]	Switching of Standard 3-phase AC Motors, AC-2, AC-3						$I_{cu} = I_{cs}$ [kA]	Cat. No.
			3-phase [kW] (50 Hz) <sup>(1)</sup>			3-phase [Hp] (60 Hz)				
			230V	400V	690V	230V	460V	575V	400/415V	
0.16	0.1...0.16	1.8	—	0.02	—	—	—	—	65	140A-C2A-A16
0.25	0.16...0.25	2.8	—	0.06	—	—	—	—	65	140A-C2A-A25
0.4	0.25...0.4	4.4	—	0.09	—	—	—	—	65	140A-C2A-A40
0.63	0.4...0.63	6.9	0.06/0.09	0.12/0.18	0.25	—	—	—	65	140A-C2A-A63
1	0.63...1.0	11	0.12	0.25	0.37/0.55	—	1/2	3/4	65	140A-C2A-B10
1.6	1.0...1.6	18	0.18/0.25	0.37/0.55	0.75/1.1	—	1	1	65	140A-C2A-B16
2.5	1.6...2.5	28	0.37	0.75	1.8	3/4	1-1/2	2	50	140A-C2A-B25
4	2.5...4.0	44	0.55/0.75	1.1/1.5	2.2/3.0	1	3	3	10	140A-C2A-B40
6.3	4.0...6.3	69	1.1/1.5	2.2	—	2	5	5	10	140A-C2A-B63
10	6.3...10	110	2.2	3.0/4.0	—	3	7-1/2	10	8	140A-C2A-C10
16	10...16	176	3.0/4.0	5.5/7.5	—	5	10	15	6	140A-C2A-C16





(1) Power ratings: Preferred values according to IEC 60072-1


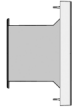





### Auxiliary Contacts


	Description	Connection Diagram	For Use With	Pkg. Qty.	Cat. No.
	Auxiliary Contact for Flush Mounting <ul style="list-style-type: none"> <li>• 1-pole</li> <li>• No additional space required</li> </ul>		140A	1	140A-C-AEA10
					140A-C-AEA210
					140A-C-AEA01
					140A-C-AEA201
	Auxiliary Contact for Left-side Mounting <ul style="list-style-type: none"> <li>• 2-pole</li> <li>• Adds 9 mm to the width of the Manual Motor Starter</li> <li>• Use compact bus bars with 54 mm spacing</li> </ul>		140A	1	140A-C-ASA20
					140A-C-ASA11
					140A-C-ASA02

## Accessories

	Description	Trip Rating	Connection Diagram	For Use With	Pkg. Qty.	Cat. No.
	<b>Undervoltage Trip Release</b> <ul style="list-style-type: none"> <li>For right-side mounting</li> <li>Adds 18 mm to the width of the Manual Motor Starter</li> </ul>	24V, 60 Hz		140A	1	140A-C-UXJ
		24V, 50 Hz				140A-C-UXK
		48V, 60 Hz				140A-C-UXX
		220...230V, 50 Hz				140A-C-UXF
		240V, 50 Hz/277V, 60 Hz				140A-C-UXT
		400V, 50 Hz/460V, 60 Hz				140A-C-UXN
		415V, 50 Hz/480V, 60 Hz				140A-C-UXB
		500V, 50 Hz/575V, 60 Hz				140A-C-UXM
		110V, 50 Hz/120V, 60 Hz				140A-C-UXD
		240...260V, 60 Hz				140A-C-UXA
		110V, 50/60 Hz				140A-C-UXKD
		525V, 50 Hz/600V, 60 Hz				140A-C-UXVC
						<b>Shunt Trip Release</b> <ul style="list-style-type: none"> <li>For right-side mounting</li> <li>Adds 18 mm to the width of the Manual Motor Starter</li> </ul>
24V, 50 Hz	140A-C-SXK					
48V, 60 Hz	140A-C-SXX					
220...230V, 50 Hz	140A-C-SXF					
240V, 50 Hz/277V, 60 Hz	140A-C-SXT					
400V, 50 Hz/460V, 60 Hz	140A-C-SXN					
415V, 50 Hz/480V, 60 Hz	140A-C-SXB					
500V, 50 Hz/575V, 60 Hz	140A-C-SXM					
110V, 50 Hz/120V, 60 Hz	140A-C-SXD					
240...260V, 60 Hz	140A-C-SXA					
525V, 50 Hz/600V, 60 Hz	140A-C-SXVC					

	Description	Terminal links	For Use With	Pkg. Qty.	Cat. No.
	<b>Compact Bus Bars</b> <ul style="list-style-type: none"> <li>45 mm spacing for manual motor starters with flush-mounted auxiliary contact blocks</li> </ul>	2 x 3	140A	1	140A-C-W452
		3 x 3			140A-C-W453
		4 x 3			140A-C-W454
		5 x 3			140A-C-W455
	<b>Compact Bus Bars</b> <ul style="list-style-type: none"> <li>54 mm spacing for manual motor starters with side-mounted auxiliary contact blocks</li> </ul>	2 x 3	140A	1	140A-C-W542
		3 x 3			140A-C-W543
		4 x 3			140A-C-W544
		5 x 3			140A-C-W545
	<b>Bus Bar Feeder Terminal</b> <ul style="list-style-type: none"> <li>Supply of compact busbars Increases wiring capacity</li> </ul>		140A-C-W	1	140A-C-WT
	<b>Blank Space Cover</b> <ul style="list-style-type: none"> <li>For covering unused terminal links</li> <li>Must be ordered in multiples of 10 (10 pcs/pkg)</li> </ul>		140A-C-W	1	140A-C-WS
	<b>Screw Adapter</b> <ul style="list-style-type: none"> <li>Hat (DIN) Rail 35 x 7.5 mm, length 44 mm</li> </ul>		140A	1	140A-C-N12

	Description	For Use With	Pkg. Qty.	Cat. No.
	Enclosures for Surface Mounting <ul style="list-style-type: none"> <li>• With center marks for two indicator lights</li> <li>• Includes protective earth and neutral wire terminals</li> </ul>	Protection Class: IP41	140A	140A-C-EA41
		Protection Class: IP55 (with seal and protective membrane)	140A	140A-C-EA55
	Enclosures for Flush Mounting <ul style="list-style-type: none"> <li>• Includes protective earth and neutral wire terminals</li> </ul>	Protection Class: IP41	140A	140A-C-EE41
		Protection Class: IP55 (with seal and protective membrane)	140A	140A-C-EE55
	Button Membrane <ul style="list-style-type: none"> <li>• For IP55 enclosures</li> <li>• Replacement part with four screws (mounting frame included)</li> </ul>	140A-C-EA55 140A-C-EE55	1	140A-C-N55
	Locking Arrangement <ul style="list-style-type: none"> <li>• For locking ON-button of the Manual Motor Starter</li> <li>• For 1...3 padlocks with ø 4...6 mm</li> </ul>	140A	1	140A-C-M3
	Locking Arrangement <ul style="list-style-type: none"> <li>• Suitable for 140A-C-E... enclosures</li> <li>• For 1...3 padlocks with ø 4...8 mm</li> </ul>	140A-C-E...	1	140A-C-M3E
	Emergency Stop Push Button Set <ul style="list-style-type: none"> <li>• For use with enclosures</li> <li>• Twist to release</li> </ul>	140A-C-E...	1	140A-C-MT
	Emergency-Stop Push Button Set <ul style="list-style-type: none"> <li>• For use with enclosures</li> <li>• Key release</li> </ul>	140A-C-E...	1	140A-C-MK

	Description	Color	Voltage	For Use With	Pkg. Qty.	Cat. No.
 <p>Pilot Lights</p> <ul style="list-style-type: none"> <li>Length of connection leads: 180 mm</li> <li>includes lamp</li> <li>protection class IP54</li> </ul>		Green	120V	198E-A... 198E-C... 140A-C-E...	1	140-LG120
			240V			140-LG240
			400V			140-LG400
			415V			140-LG415
			480V			140-LG480
		Red	120V			140-LR120
			240V			140-LR240
			400V			140-LR400
			415V			140-LR415
			480V			140-LR480
		White	120V			140-LW120
			240V			140-LW240
			400V			140-LW400
			415V			140-LW415
			480V			140-LW480
		Yellow	120V			140-LY120
			240V			140-LY240
			400V			140-LY400
			415V			140-LY415
			480V			140-LY480

## Specifications

### IEC Performance Data

		Cat. No. 140A-C2A-...										
		A16	A25	A40	A63	B10	B16	B25	B40	B63	C10	C16
Rated Operational Current $I_e$	[A]	0.16	0.25	0.4	0.63	1.0	1.6	2.5	4.0	6.3	10	16
Magnetic Release Current	[A]	1.8	2.8	4.4	6.9	11	18	28	44	69	110	176
<b>Switching of Standard Three-Phase Motors <sup>(1)</sup></b>												
AC-2, AC-3												
230/240V	[kW]	—	—	—	0.06/0.09	0.12	0.18/0.25	0.37	0.55/0.75	1.1/1.5	2.2	3.0/4.0
400/415V	[kW]	0.02	0.06	0.09	0.18/0.25	0.25	0.37/0.55	0.75	1.1/1.5	2.2	3.0/4.0	5.5/7.5
500V	[kW]	—	—	—	0.18	0.25/0.37	0.55/0.75	1.1	1.5/2.2	2.5/3.0	4.0/6.3	7.5/10
690V	[kW]	—	—	—	0.25	0.37/0.55	0.75/1.1	1.8	2.2/3.0	—	—	—
<b>Back-Up Fuses</b>												
gG, aM, only if $I_{cc} \geq I_{cu}$												
230/240V	[A]	No fuses required										50
400/415V	[A]	No fuses required									63	50
500V	[A]	No fuses required								63	50	50
690V	[A]	No fuses required						25	35	—	—	—
<b>Ultimate- (<math>I_{cu}</math>) and Rated Service (<math>I_{cs}</math>) Short Circuit Breaking Capacity, <math>I_{cu} = I_{cs}</math></b>												
230/240V	[kA]	65	65	65	65	65	65	50	50	50	50	3
400/415V	[kA]	65	65	65	65	65	65	50	10	10	8	6
500V	[kA]	50	50	50	50	50	50	50	3	10	4.5	4.5
690V	[kA]	50	50	50	50	50	50	4.5	2	—	—	—

(1) Power ratings: Preferred values according to IEC 60072-1.

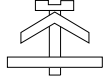



### UL / CSA Performance Data

#### Manual Motor Controller (UL 508, CSA C22.2 No.14, for group installation, in combination with a short-circuit protection device)

		Cat. No. 140A-C2A-...										
		A16	A25	A40	A63	B10	B16	B25	B40	B63	C10	C16
<b>Max. short-circuit current</b>												
480V	[kA]	42	42	42	42	42	42	42	18	18	10	5
600V	[kA]	42	42	42	42	42	42	10	5	5	5	5
<b>Motor load</b>												
1-phase												
115V	[Hp]	—	—	—	—	—	—	1/10	1/8	1/4	1/2	1
230V	[Hp]	—	—	—	—	—	1/10	1/6	1/3	3/4	1-1/2	3
3-phase												
200V	[Hp]	—	—	—	—	—	—	1/2	3/4	1-1/2	2	3
230V	[Hp]	—	—	—	—	—	—	3/4	1	2	3	5
460V	[Hp]	—	—	—	—	1/2	1	1-1/2	3	5	7-1/2	10
575V	[Hp]	—	—	—	—	3/4	1	2	3	5	10	15
Maximum rated current of protection device	[A]	175										

## General Data

		Cat. No. 140A-C2A-...
<b>Rated Insulation Voltage <math>U_i</math></b>		
EN/IEC	[V]	690
UL, CSA	[V]	600
<b>Overvoltage Category / Pollution degree</b>		
		III / 3
<b>Rated Impulse Withstand Voltage <math>U_{imp}</math></b>		
Main circuits		6 kV
Auxiliary circuits		6 kV
Rated Frequency	[Hz]	40...60
<b>Life Span</b>		
Mechanical	[operations]	100000
Electrical ( $I_e$ max.)	[operations]	50000
Switching Frequency	[operations/h]	max. 30
<b>Ambient Temperature</b>		
Storage	[°C]	-25...+80
Operation	[°C]	-25...+60
<b>Resistance to Climatic Stress</b>		
Moisture/heat resistance		C IV (according to IEC 68)
Moisture/change resistance		40 °C, 92 %, 56 days
		23 °C, 83 %/40 °C, 93 %, 56 cycles
Site Altitude	[m]	≤ 2000
<b>Protection Class</b>		
		IP20, when wired
Resistance to Shock, transport	[g]	30 g, 20 ms
<b>Resistance to Vibration</b>		
Frequency range	[Hz]	10...150
in all directions	[g]	7.5
<b>Rated Thermal Current <math>I_{th}</math></b>		
IEC		
up to 40°C ambient temperature	[A]	0.1...16
up to 60°C ambient temperature	[A]	0.1...16
Rated Supply Current $I_e$	[A]	0.1...16
<b>Number of setting ranges</b>		
		11
<b>Dependence on Temperature</b>		
40 °C	[A]	no reduction
50 °C	[A]	
60 °C	[A]	
70 °C	[A]	15 % current reduction of the upper rated current $I_e$
<b>Overload Protection</b>		
Characteristics		EN/IEC 60947-4-1 Motor protection
Ambient Temperature Compensation	[°C]	-20...+60
<b>Trip Class</b>		
		10
<b>Magnetic Release</b>		
		fixed setting
<b>Release current</b>		
		11 x $I_e$ max. $I_e$ max. = maximum values of setting ranges
<b>Total Power dissipation</b>		
Manual motor starter at rated load	[W]	7
<b>Main Supply Application</b>		
Usable as main supply switch according to EN/IEC 60-204 with corresponding accessories		

			Cat. No. 140A-C2A-...
Conformity to Standards			IEC 60947-1/ -2/ -4/ -5-1 UL 508 CSA 22.2, Part 1
Approvals/Markings			CE, cULus Listed
Terminal Parts			 Pozidriv No. 2/Blade No. 3
Type of terminals			
Screwdriver			
	1 conductor	[mm <sup>2</sup> ]/[AWG]	
	2 conductor	[mm <sup>2</sup> ]/[AWG]	1...4/No. 16...12
	1 conductor	[mm <sup>2</sup> ]/[AWG]	1...6/No. 16...12
	2 conductor	[mm <sup>2</sup> ]/[AWG]	1...6/No. 16...12
	1 conductor	[mm <sup>2</sup> ]/[AWG]	1.5...6/No. 16...12
	2 conductor	[mm <sup>2</sup> ]/[AWG]	1.5...6/No. 16...12
Tightening torque			[N·m]/[lb·in] 2...2.5/18...22

**Weights**

Description	Cat. No.	Weight
Manual Motor Starter	140A-C2A-...	290 g
Auxiliary Contact Blocks for Flush Mounting	140A-C-AEA...	12 g
Auxiliary Contact Blocks for Left-side Mounting	140A-C-ASA...	35 g
Undervoltage Release	140A-C-UX...	104 g
Shunt Release	140A-C-SX...	100 g
Bus Bar Feeder Terminal	140A-C-WT	36 g
Compact Bus Bar	140A-C-W452	42 g
	140A-C-W453	69 g
	140A-C-W454	94 g
	140A-C-W455	119 g
	140A-C-W542	45 g
	140A-C-W543	76 g
	140A-C-W544	104 g
	140A-C-W545	135 g

Description	Cat. No.	Weight
Blank Space Cover	140A-C-WS	3.3 g
Enclosure for Surface Mounting	140A-C-EA41	250 g
	140A-C-EA55	258 g
Enclosure for Flush Mounting	140A-C-EE41	126 g
	140A-C-EE55	134 g
Button Membrane	140A-C-N55	8 g
Indicator Light	140-L...	10 g
Hat (DIN) rail Adapter	140A-C-N12	16 g
Locking Arrangement	140A-C-M3E	19 g
	140A-C-M3	11 g

		Cat. No. 140A-C-EA41 / -EE41 Enclosure	Cat. No. 140A-C-EA55 / -EE55 Enclosure	Cat. No. 140-L... Indicator light
IP Protection		IP41	IP55 (with seal and protective membrane)	IP54
Ambient Temperature	[°C]	-25...+40	-25...+40	—
Rated Operating Voltage	[V]	—	—	120, 240, 415, 480






		Cat. No. 140A-C-W45... Compact Bus Bar	Cat. No. 140A-C-W54... Compact Bus Bar
Rated Insulation Voltage $U_i$	[V]	690	690
Rated Thermal Current $I_{th}$	[A]	63	63



## Accessory Specifications







		Cat. No. 140A-C-AEA... Auxiliary Contact Block for Flush Mounting				Cat. No. 140A-C-ASA... Auxiliary Contact Block for Left-side Mounting				
Rated Thermal Current $I_{th}$										
at 40°C ambient temperature		[A]	6				10			
at 60°C ambient temperature		[A]	4				6			
Contact Class Coordination According to NEMA (UL/CSA Standards)		AC	B 600 Standard Pilot Duty				B 600 Standard Pilot Duty			
		DC	R 300 Light Pilot Duty				R 300 Light Pilot Duty			
Back-Up Fuses gG, gL		[A]	16				16			
Rated Supply Current		[V]	230/240	400/415	500	690	230/240	400/415	500	690
AC-15		[A]	2	1	0.8	0.5	2	1	0.8	0.5
DC-13		[V]	24	48	110	220	24	48	110	220
		[A]	2	0.6	0.2	0.1	2	0.6	0.2	0.1

## Terminal Parts

Type of terminals		 Pozidriv No. 2/Blade No. 3				 Pozidriv No. 2/Blade No. 3				
Screwdriver										
	1 conductor	[mm <sup>2</sup> ]/[AWG]	0.75...2.5/No. 18...14				0.75...2.5/No. 18...14			
	2 conductor	[mm <sup>2</sup> ]/[AWG]	0.75...2.5/No. 18...14				0.75...2.5/No. 18...14			
	1 conductor	[mm <sup>2</sup> ]/[AWG]	0.75...4/No. 18...14				0.75...4/No. 18...14			
	2 conductor	[mm <sup>2</sup> ]/[AWG]	0.75...4/No. 18...14				0.75...4/No. 18...14			
	1 conductor	[mm <sup>2</sup> ]/[AWG]	0.75...4/No. 18...14				0.75...4/No. 18...14			
	2 conductor	[mm <sup>2</sup> ]/[AWG]	0.75...4/No. 18...14				0.75...4/No. 18...14			
Tightening torque		[N·m]/[lb·in]	1...1.5/9...13				1...1.5/9...13			

		Cat. No. 140A-C-UX... Undervoltage Release Unit for Right-side Mounting		Cat. No. 140A-C-SX... Shunt Release for Right-side Mounting		Cat. No. 140A-C-WT Supply Block	
Actuating Voltage	Pull-in	0.8...1.1 x $U_s$		0.7...1.1 x $U_s$		—	
	Drop-out	0.7...0.35 x $U_s$		—		—	
Rated Control Voltage	min.	12V, 50 Hz; 14V, 60 Hz		12V, 50 Hz; 14V, 60 Hz		—	
	max.	600V, 50 Hz		600V, 50 Hz		—	
On-Time		100 %		100 %		—	
Coil Rating	Pull-in	8.5 VA, 6 W		8.5 VA, 6 W		—	
	Hold	3 VA, 1.2 W		3 VA, 1.2 W		—	

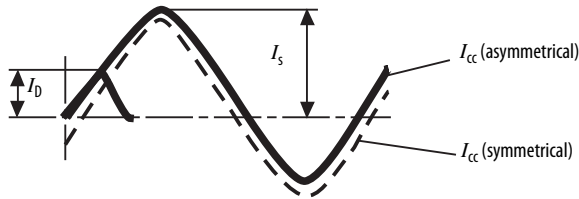
## Terminal Parts

Type of terminals		 Pozidriv No. 2/Blade No. 3		 Pozidriv No. 2/Blade No. 3		 Pozidriv No. 2/Blade No. 3		
Screwdriver								
	1 conductor	[mm <sup>2</sup> ]/[AWG]	0.75...2.5/No. 18...14		0.75...2.5/No. 18...14		4...16/No. 14...6	
	2 conductor	[mm <sup>2</sup> ]/[AWG]	0.75...2.5/No. 18...14		0.75...2.5/No. 18...14		4...16/No. 14...6	
	1 conductor	[mm <sup>2</sup> ]/[AWG]	0.75...4/No. 18...14		0.75...4/No. 18...14		4...16/No. 14...6	
	2 conductor	[mm <sup>2</sup> ]/[AWG]	0.75...4/No. 18...14		0.75...4/No. 18...14		4...16/No. 14...6	
	1 conductor	[mm <sup>2</sup> ]/[AWG]	0.75...4/No. 18...14		0.75...4/No. 18...14		4...16/No. 14...6	
	2 conductor	[mm <sup>2</sup> ]/[AWG]	0.75...4/No. 18...14		0.75...4/No. 18...14		4...16/No. 14...6	
Tightening torque		[N·m]/[lb·in]	1...1.5/9...13		1...1.5/9...13		4/36	

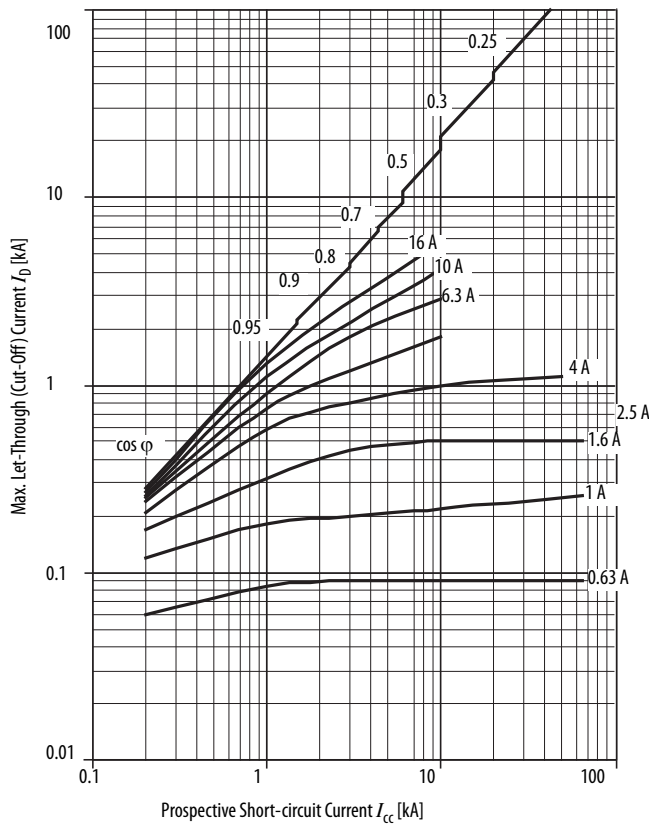
### Cut-off Current

The Bulletin 140A-C2A manual motor starter limits short-circuit current  $I_{cc}$  (prospective short-circuit current).  $I_D$  is the maximum cut-off current (highest instantaneous value of the limited short-circuit current). This value is indicated in [Figure 1](#) as a function of the system short-circuit current.

**Figure 1 - Short-circuit Current Function**

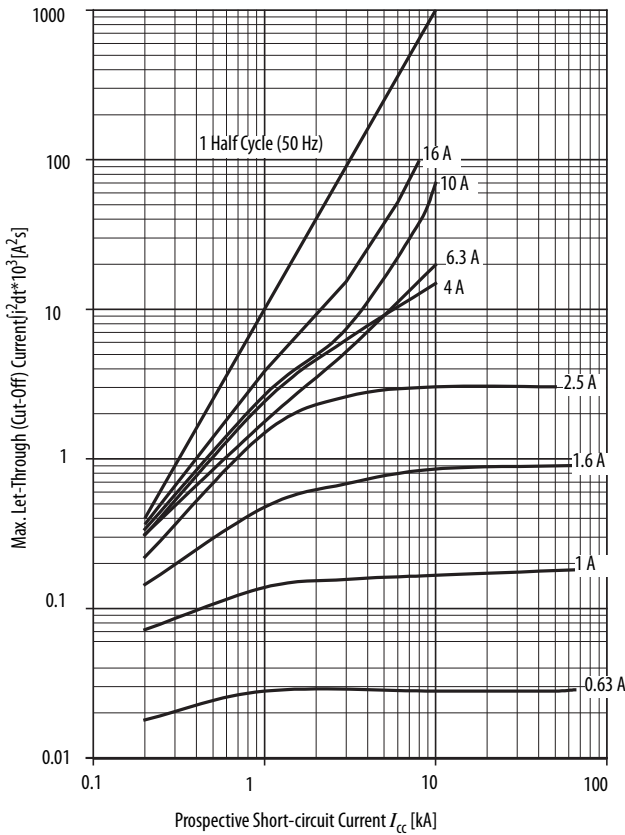


**Figure 2 - 140A-C2A Max. Let-Through (cut-off) Current,  $U_e = 400...415V$**





**Figure 4 - 140A-C2A Max. Let-through Energy,  $U_e = 400...415V$**



**Current To Be Set:**

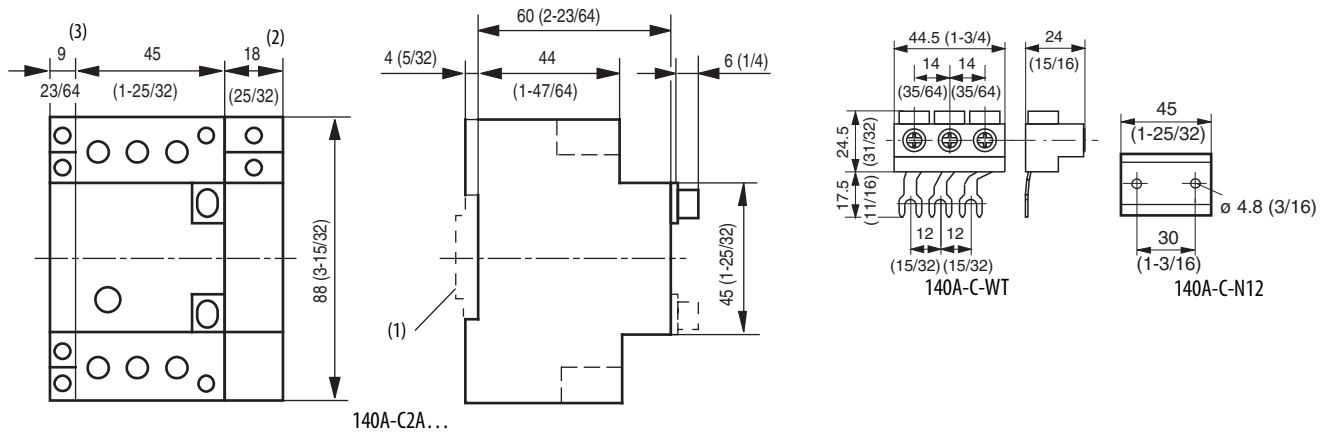
Thermal releases meet the requirements for a thermal release of a starter in accordance with IEC 60947-4-1 f. If a different value is specified (such as reduced  $I_e$  in motors with an ambient temperature higher than 40 °C or a site altitude >2000 m above sea level), the rated operating current  $I_e$  must be adjusted.

**Performance categories per IEC 60947-2**

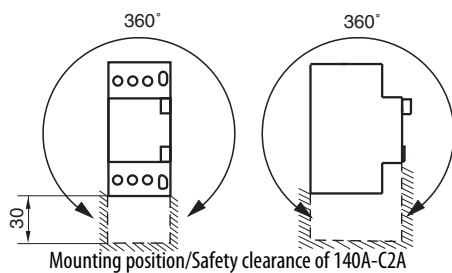
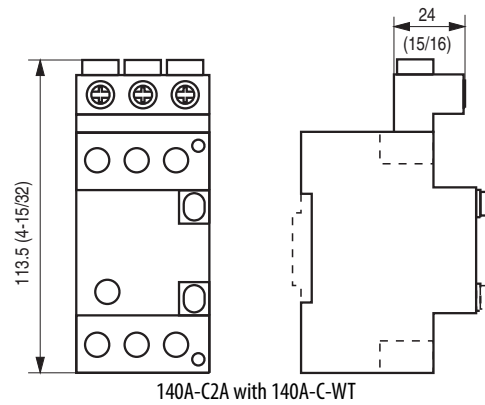
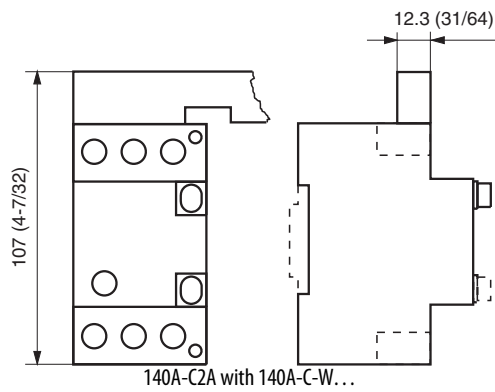
Current	Description	
$I_{cu}$	Rated short-circuit breaking capacity Operational after completing 0-t-C0 test sequence	0 = off
$I_{cs}$	Ultimate short-circuit breaking capacity Suitable for normal operation after completing 0-t-C0-t-C0 test sequence	C0 = restart and off t = set delay, 3 min

## Approximate Dimensions

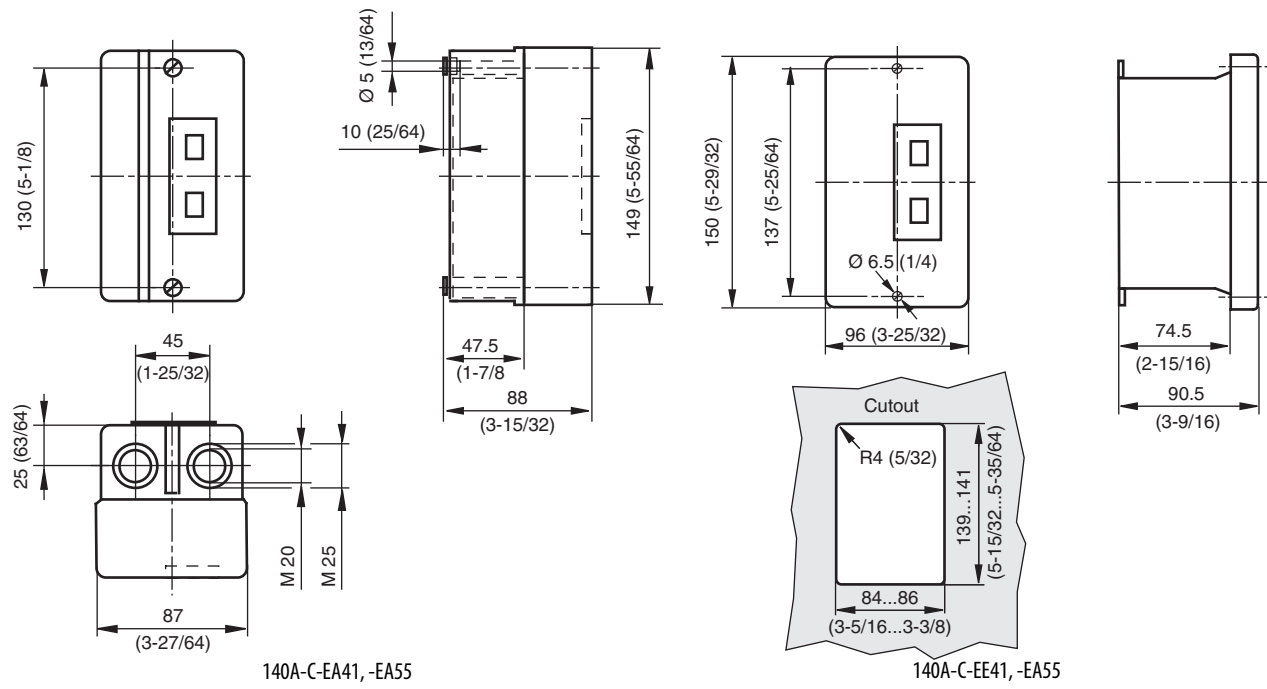
Dimensions are shown in millimeters (inches). Dimensions are not intended to be used for manufacturing purposes.



- (1) Can be mounted on DIN Rail EN 50 022-35
- (2) Auxiliary contact block for side-mounting of 140A-C-ASA...
- (3) 140A-C-SX... shunt release or 140A-C-UX... undervoltage release



Dimensions are shown in millimeters (inches). Dimensions are not intended to be used for manufacturing purposes.



**Notes:**

## Rockwell Automation Support

Use the following resources to access support information.

<b>Technical Support Center</b>	Knowledgebase Articles, How-to Videos, FAQs, Chat, User Forums, and Product Notification Updates.	<a href="http://www.rockwellautomation.com/knowledgebase">www.rockwellautomation.com/knowledgebase</a>
<b>Local Technical Support Phone Numbers</b>	Locate the phone number for your country.	<a href="http://www.rockwellautomation.com/global/support/get-support-now.page">www.rockwellautomation.com/global/support/get-support-now.page</a>
<b>Direct Dial Codes</b>	Find the Direct Dial Code for your product. Use the code to route your call directly to a technical support engineer.	<a href="http://www.rockwellautomation.com/global/support/direct-dial.page">www.rockwellautomation.com/global/support/direct-dial.page</a>
<b>Literature Library</b>	Installation Instructions, Manuals, Brochures, and Technical Data.	<a href="http://www.rockwellautomation.com/literature">www.rockwellautomation.com/literature</a>
<b>Product Compatibility and Download Center (PCDC)</b>	Get help determining how products interact, check features and capabilities, and find associated firmware.	<a href="http://www.rockwellautomation.com/global/support/pcdc.page">www.rockwellautomation.com/global/support/pcdc.page</a>

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