



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 1770-4.1	Provides general guidelines for installing a Rockwell Automation industrial system.
Product Certifications website, http://www.rockwellautomation.com/global/certification/overview.page	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

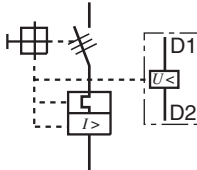
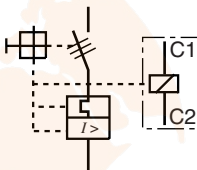
Rated Operational Current I_e [A]	Motor Current Adjustment Range [A]	Magnetic Release Operating Current [A]	Switching of Standard 3-phase AC Motors, AC-2, AC-3						$I_{cu} = I_{cs}$ [kA]	Cat. No.
			3-phase [kW] (50 Hz) ⁽¹⁾			3-phase [Hp] (60 Hz)				
			230V	400V	690V	230V	460V	575V	400/415V	
0.16	0.1...0.16	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 • 1-pole • No additional space required		140A	1	140A-C-AEA10
					140A-C-AEA210
					140A-C-AEA01
					140A-C-AEA201
	Auxiliary Contact for Left-side Mounting • 2-pole • Adds 9 mm to the width of the Manual Motor Starter • Use compact bus bars with 54 mm spacing		140A	1	140A-C-ASA20
					140A-C-ASA11
					140A-C-ASA02

Accessories

	Description	Trip Rating	Connection Diagram	For Use With	Pkg. Qty.	Cat. No.
	Undervoltage Trip Release - For right-side mounting - Adds 18 mm to the width of the Manual Motor Starter	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
						140A-C-SXJ
						140A-C-SXK
	Shunt Trip Release - For right-side mounting - Adds 18 mm to the width of the Manual Motor Starter	24V, 60 Hz		140A	1	140A-C-SXX
		24V, 50 Hz				140A-C-SXF
		48V, 60 Hz				140A-C-SXT
		220...230V, 50 Hz				140A-C-SXN
		240V, 50 Hz/277V, 60 Hz				140A-C-SXB
		400V, 50 Hz/460V, 60 Hz				140A-C-SXM
		415V, 50 Hz/480V, 60 Hz				140A-C-SXD
		500V, 50 Hz/575V, 60 Hz				140A-C-SXA
		110V, 50 Hz/120V, 60 Hz				140A-C-SXVC
		240...260V, 60 Hz				
		525V, 50 Hz/600V, 60 Hz				

	Description	Terminal links	For Use With	Pkg. Qty.	Cat. No.
	Compact Bus Bars 45 mm spacing for manual motor starters with flush-mounted auxiliary contact blocks	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
	Compact Bus Bars 54 mm spacing for manual motor starters with side-mounted auxiliary contact blocks	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
	Bus Bar Feeder Terminal Supply of compact busbars Increases wiring capacity		140A-C-W	1	140A-C-WT
	Blank Space Cover - For covering unused terminal links - Must be ordered in multiples of 10 (10 pcs/pkg)		140A-C-W	1	140A-C-WS
	Screw Adapter Hat (DIN) Rail 35 x 7.5 mm, length 44 mm		140A	1	140A-C-N12