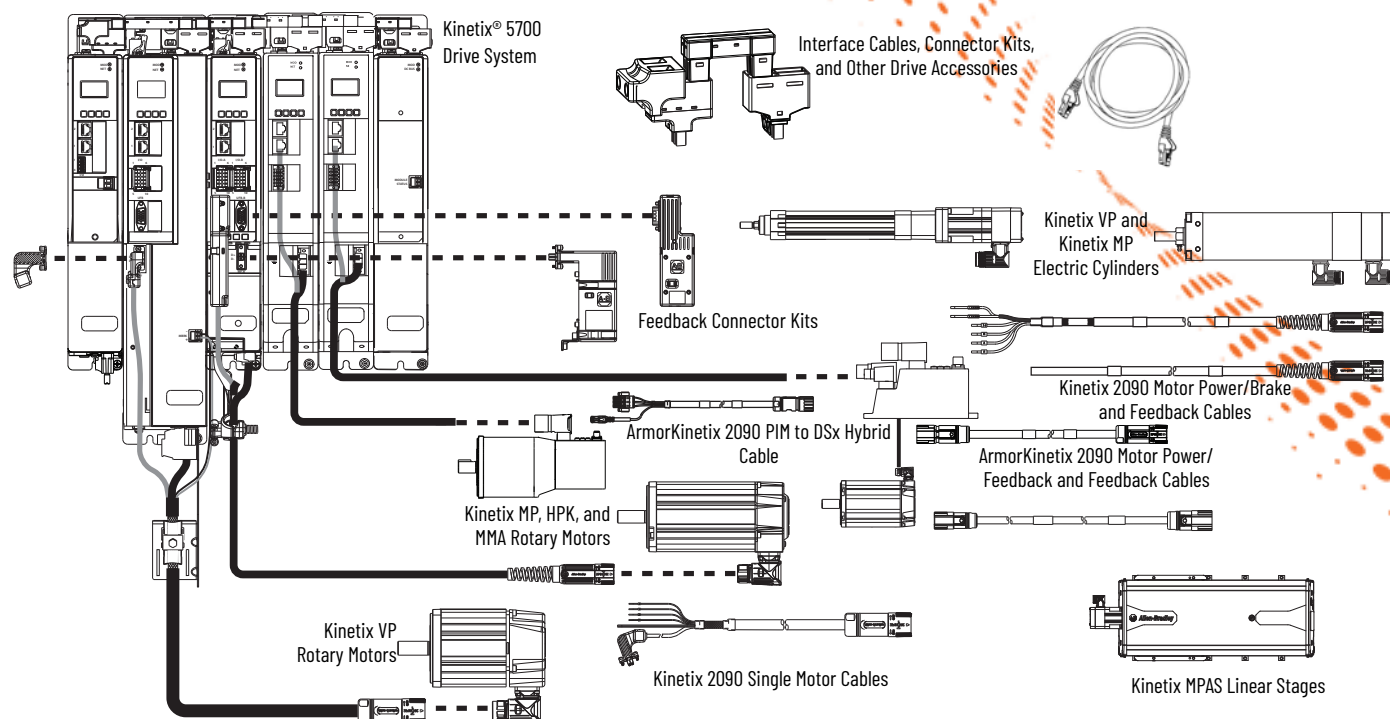


Kinetix 5700 Drive Systems

Catalog Numbers 2198-P031, 2198-P070, 2198-P141, 2198-P208, 2198-RP088, 2198-RP200, 2198-RP263, 2198-RP312, 2198-S086-ERS3, 2198-S130-ERS3, 2198-S160-ERS3, 2198-S263-ERS3, 2198-S312-ERS3, 2198-S086-ERS4, 2198-S130-ERS4, 2198-S160-ERS4, 2198-S263-ERS4, 2198-S312-ERS4, 2198-D006-ERS3, 2198-D012-ERS3, 2198-D020-ERS3, 2198-D032-ERS3, 2198-D057-ERS3, 2198-D006-ERS4, 2198-D012-ERS4, 2198-D020-ERS4, 2198-D032-ERS4, 2198-D057-ERS4, 2198-CAPMOD-2240, 2198-DCBUSCOND-RP312, 2198-CAPMOD-DCBUS-IO, 2198-DSDxxx-ERS2, 2198-DSDxxx-ERS5, 2198-DSMxxx-ERS2, 2198-DSMxxx-ERS5



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- 2198-ABQE encoder output module
- 24V input wiring connectors, T-connectors, and bus-bars for the 24V shared-bus connection system
- Bulletin 1321 line reactors
- Kinetix 5700 system mounting toolkit

Kinetix 5700 Drive Modules

Kinetix 5700 Drive Modules	Module Cat. No.	Continuous Output Current to Bus A _{DC} rms	Module Width mm	Continuous Output Power		Output Current		Features
				240V Input kW	480V Input kW	Continuous A 0-pk	Peak A 0-pk	
DC-bus Power Supply (195...528V AC rms, three-phase input power)	2198-P031 2198-P070	10.5 25.5	55	3.5 8.5	7 17	-	-	• Multi-axis, three-phase DC-bus sharing converter • Two or three power supplies in parallel (2198-P208 units only) increase power output to 2198 single-axis and dual-axis inverters • Extended DC-bus voltage to another Kinetix 5700 inverter cluster
	2198-P141 2198-P208	46.9 69.2	85	15.5 23.0	31 46			
Regenerative Bus ⁽¹⁾ Supply (324...506V AC rms, three-phase input power)	2198-RP088 2198-RP200 2198-RP263 2198-RP312	35.3 100.0 176.4 207.0	165 275 440 440	12.0 33.5 59.5 70.0	24 67 119 140	-	-	• Provides full-line motoring and regenerative power to and from a Kinetix 5700 common DC-bus system • Integrated LC filter minimizes AC line harmonics from the AC power source and saves significant panel-space and installation costs • Can be configured to provide active DC-bus voltage regulation or passive AC rectification like the DC-bus supply • Extended DC-bus voltage to another Kinetix 5700 inverter cluster
Single-axis Inverters	2198-S086-ERS3 2198-S130-ERS3	2198-S086-ERS4 2198-S130-ERS4	85	14.9 22.5	29.7 44.9	60.8 91.9	121.6 183.8	2198-xxxx-ERS3 and 2198-xxxx-ERS4 drives: • Kinetix VP and Kinetix MP servo motor compatibility - 240V input support for Kinetix VPL, VPF, VPH, MPL, MPM, MPF, MPS (200V-class) servo motors with drive firmware revision 13.00 or later • Kinetix HPK asynchronous servo motor compatibility • Kinetix MMA asynchronous main motor compatibility • Kinetix RDB motor compatibility • Kinetix VP and Kinetix MP linear actuator compatibility • Kinetix LDAT linear thruster compatibility • Kinetix LDC linear motor compatibility • Hardwired and Integrated ST0 (safe torque-off) 2198-xxxx-ERS3 (series B or later) drives add: • Integrated (drive-based) Timed SS1 2198-xxxx-ERS4 drives add: • Integrated (drive-based) Timed SS1, Monitored SS1 • Integrated (controller-based) SS1, SS2, SOS, SLS⁽²⁾, SLP, SDI, SFX, SBC
	2198-S160-ERS3	2198-S160-ERS4	100	30.1	60.1	120.2	226.2	
	2198-S263-ERS3 2198-S312-ERS3	2198-S263-ERS4 2198-S312-ERS4	220	45.0 56.0	90 112	212.1 271.5	371.9 441.2	
	2198-D006-ERS3 2198-D012-ERS3 2198-D020-ERS3 2198-D032-ERS3	2198-D006-ERS4 2198-D012-ERS4 2198-D020-ERS4 2198-D032-ERS4	55	0.9 1.7 2.8 4.5	1.7 3.4 5.5 8.9	3.5 7.0 11.3 18.3	8.8 17.6 28.2 45.9	
Dual-axis Inverters	2198-D057-ERS3	2198-D057-ERS4	85	8.0	15.9	32.5	81.3	

(1) Applies when DC-bus voltage regulation is enabled. If DC-bus voltage regulation is not enabled, the input voltage range is 324...528V AC. For more information on these two modes of operation, see the Kinetix 5700 Servo Drives User Manual, publication [2198-UM002](#).

(2) See the Kinetix 5700 Safe Monitor Functions Safety Reference Manual, publication [2198-RM001](#), for more information on these Drive Safety instructions.

ArmorKinetix Drive Modules

ArmorKinetix System Modules	Cat. No.	Continuous Output Current to Bus A _{DC} rms	Module Width mm	Continuous Output Power		Output Current		Features
				240V Input kW	480V Input kW	Rated Continuous A 0...pk	Peak ⁽¹⁾ A 0...pk	
DC-bus Power Supply (195...528V AC rms, three-phase input power)	2198-P031 2198-P070	10.5 25.5	55	3.5 8.5	7 17	-	-	• Multi-axis, three-phase DC-bus sharing converter • Two or three power supplies in parallel (2198-P208 units only) increase power output to 2198 single-axis and dual-axis inverters • Extended DC-bus voltage to another Kinetix 5700 inverter cluster
	2198-P141 2198-P208	46.9 69.2	85	15.5 23.0	31 46	-	-	
PIM Module	2198-PIM070	24	55	8	16	-	-	The PIM module provides the connection between the in-cabinet system and the on-machine inverter. This module distributes DC power and communication signals to the DSD and DSM modules by using a single cable (hybrid cable). Each PIM module can support up to 24 axes.