

# Kinetix 6200 And Kinetix 6500 Drives

## Kinetix 6200 and Kinetix 6500 Specifications

Standards	IEC/EN 60204-1, ISO12100, IEC 61508, IEC 61800-5-2		
Category	PLe and Cat. 4 per EN ISO 13849-1		
Safety Integrity Level	SIL3 per IEC 61508 and EN62061		
Certifications	C-Tick, CE, cUL, and TÜV functional safety		
Safety Inputs	5		
PFd(t) for 20-year interval	Single-encoder configuration: 10.3E-04 Dual-encoder configuration: 4.15E-04		
PFh(t) for 20-year interval	Single-encoder configuration: 5.88E-09 Dual-encoder configuration: 2.37E-09		
Overspeed Response Time	user-configurable		
Recommended Conductor Size Terminal Screw	0.25...0.75 mm <sup>2</sup> (24...18 AWG)		
Recommended Torque Terminal Screw	0.22...0.25 N•m (1.9...2.0 lb•in)		
Safety Reference Manual	<ul style="list-style-type: none"> <li>• Kinetix 6200 and Kinetix 6500 Safe Speed Monitoring Safety Reference Manual, Publication 2094-RM001</li> <li>• Kinetix 6200 and Kinetix 6500 Safe Torque-off Safety Reference Manual, Publication 2094-RM002</li> </ul>		

## Kinetix 6200 and Kinetix 6500 IAM Power Module (460V) Specifications

IAM Power Module	2094-BC01-MP5-M	2094-BC01-M01-M	2094-BC02-M02-M
AC Input Voltage	324...528V rms 3-Phase (360...480 nom)		
AC Input Frequency	47...63 Hz		
Main AC Input Current Nominal (rms)	10 A	10 A	24 A
DC Input Voltage (Common Bus follower)	458...747V DC		
DC Input Current (Common Bus follower)	9 A	9 A	22.6 A
Control Power AC Input Voltage	95...264V rms single-phase (230V nominal)		
Continuous Output Current to Bus (Adc)	9 A	9 A	22.6 A
Intermittent Output Current to Bus (Adc)	20 A	20 A	38 A
Continuous Power Output to Bus (nominal)	6 kW	6 kW	15 kW
<b>Module Size Specifications</b>			
Height (mm)	290	290	290
Width (mm)	125	125	125
Depth (mm)	290	290	290

## Kinetix 6200 and Kinetix 6500 AM Power Module (460V) Specifications

AM Power Modules	2094-BMP5-M (2094-BC01-MP5-M)	2094-BM01-M (2094-BC01-M01-M)	2094-BM02-M (2094-BC02-M02-M)
Continuous Output Current (rms)	2.8 A	6.1 A	10.3 A
Continuous Output Current (0-peak)	4.0 A	8.6 A	14.6 A
Peak Output Current (rms)	7.0 A	15.3 A	25.8 A
Peak Output Current (0-peak)	9.9 A	21.6 A	36.4 A
Maximum Seconds at Peak			
Continuous Power Output (nominal)	1.8 kW	3.9 kW	6.6 kW
<b>Module Size Specifications</b>			
Height (mm)	290	290	290
Width AM (mm)	70	70	70
Depth (mm)	290	290	290

## Kinetix 6200 and Kinetix 6500 Control Module Specifications

Cat. No.	2094-SE02F-M00-S1	2094-SE02F-M00-S0	2094-EN02D-M01-S1	2094-EN02D-M01-S0
Drive Family	Kinetix 6200		Kinetix 6500	
Control/Communication	SERCOS interface		EtherNet/IP networking	
Safety Features	Safe Speed Monitoring	Safe Torque-off	Safe Speed Monitoring	Safe Torque-off
Connectors	<ul style="list-style-type: none"><li>• IOD connector for I/O, safety, and auxiliary feedback</li><li>• MF connector for motor feedback</li></ul>			