

Catalogue No: 2198-H040-ERS

KINETIX 5500 SERVO DRIVE 240/480V 3PH 18.4A

Automation Systems > Motion Systems > Servo Drives > Allen-Bradley Servo Drives > Kinetix® 5500 Drives > Kinetix® 5500 Drives



Representative Photo Only
(actual product may vary based on configuration selections)

Kinetix 5500 Drives A peak output, 1/3 phase 190-528V AC Input With Hardwired Safety

- Smaller footprint with optimised power density ideal for use when control panel space is an issue
- Single cable solution including feedback, motor brake and motor power equipped with quick, one turn connectors, simplifies wiring and lowers installation cost
- Capability to run servo and induction motors all in one drive platform, reduce spare parts by standerdising on a single platform
- Flexible power connectivity provides multiple ways to operate the system, bus connection systems reduce wiring cost and installation time
- Motion control functions are embedded in RSLogix™ 5000 programming and in the Logix controller, reducing the time and money involved in machine building, implementation and maintenance
- Available in hardwired or networked safety options - contact NHP for networked safety options

SPECIFICATIONS

Product Series	Kinetix 5500 (Bul. 2198)
Component Type Motion Control	Servo Drive
Safety Performance Level(s) (ISO13849:2006)	ISO 13849:2006 PLd ISO 13849:2006
Safety Performance Level	PLd safety
SIL Rating(s) (IEC/EN 61508)	IEC/EN 61508 SIL2 IEC/EN 61508
SIL Rating	SIL 2
SIL Claim(s) - Machinery (IEC/EN 62061)	IEC/EN 62061 SILCL2 IEC/EN 62061
SIL Claim, Machinery	SIL CL 2 machinery
Safety Category(s) (ISO13849:1999 / EN954)	EN 954 / ISO 13849:1999 Category 3 ISO 130849:1999
Safety Category	Cat 3 safety
Integration Type	Network Capable
Common DC Bus Capable	Yes Y / N
Communications Protocols	EtherNet/IP EtherNet/OCPP
Input voltage, 3ph, nom (rms)	415 V AC nom (rms)
Input Voltage, 3ph, min (rms)	324 V AC min (rms)
Input Voltage, 3ph, max (rms)	528 V AC max (rms)
Input Frequency, Nom	50 / 60 Hz
Input Frequency, Min	47 Hz
Input Frequency, Max	63 Hz
Input Current, Single Phase, Max (0 - pk)	30 A
Input Current, Three Phase, Nominal	13.4 A
Line Loss Ride Through Time	20 ms
Internal Shunt Power, Continuous	50 W
Internal Shunt Power, Peak	50 W
Internal Shunt Resistance	60 Ohms
Velocity Loop Bandwidth	300 Hz

Catalogue No: 2198-H040-ERS

KINETIX 5500 SERVO DRIVE 240/480V 3PH 18.4A

Automation Systems > Motion Systems > Servo Drives > Allen-Bradley Servo Drives > Kinetix® 5500 Drives > Kinetix® 5500 Drives



Current Loop Bandwidth	1000 Hz
Output Current, Continuous (rms)	13 A, rms, continuous
Output Current, Continuous (0-peak)	18.4 A, contin, 0-pk
Output Current, Peak (rms)	32.5 A, rms, peak
Output Current, Peak (0-peak)	45.9 A
Efficiency, Electrical, Peak	97 >=%
Altitude, Operating (No Derating)	1000 m
Frame Size	Frame 2 size
Compatible Motor Series'	MPF Food Grade compatible MPL Low Inertia MPM Medium Inertia MPS Stainless Steel LDAT Integrated Linear Thruster MPAI Heavy Duty Electric Cylinder MPAR Electric Cylinder MPAS Integrated Linear Stage MPMA Integrated Linear Stage
Operating Temperature, Max	50 °C max
Operating Temperature, Min	0 °C min
Storage Temperature, Max	70 °C max
Storage Temperature, Min	-40 °C min
Relative humidity, min	5 %RH
Relative Humidity, Max	95 %RH
Height	265 mm
Width	55 mm
Depth	210 mm
Weight	2.3 kg
Shock Acceleration (Max.)	15 g
Shock Duration (Max.)	11 ms
Vibration Acceleration (Max.)	2 m/s ²
Vibration Displacement (Peak to Peak Max.)	0.32 mm
Vibration Frequency, Operational (Max.)	500 Hz
Standards Compliance	OSHA 3074 AS/NZS CISPR 11-Group1-ClassA EN 61800-3 EN 61800-5-1 EN 61800-5-2 UL 508C EN 954 / ISO 13849:1999 Category 3 ISO 13849:2006 PLd IEC/EN 61508 SIL2
Certifications	CE C-Tick C-UL KC (KCC) ODVA - EtherNet/IP OSHA UL TUV PLd TUV SIL2 TUV Category 3

Catalogue No: **2198-H040-ERS**

KINETIX 5500 SERVO DRIVE 240/480V 3PH 18.4A

Automation Systems > Motion Systems > Servo Drives > Allen-Bradley Servo Drives > Kinetix® 5500 Drives > Kinetix® 5500 Drives



REFERENCES

IECEX Certificate	-
Supplier Declaration of Conformity:	-
Installation Guide:	Kinetix 5500 Servo Drives Installation Instructions
User Manual:	Kinetix 5500 User Manual
Manufacturer Datasheet:	-
Manufacturer Catalogue & Product Selection:	Kinetix 5500 Manufacturer Product Selection Guide