

User Manual

Original Instructions



Kinetix 6000M Integrated Drive-Motor System

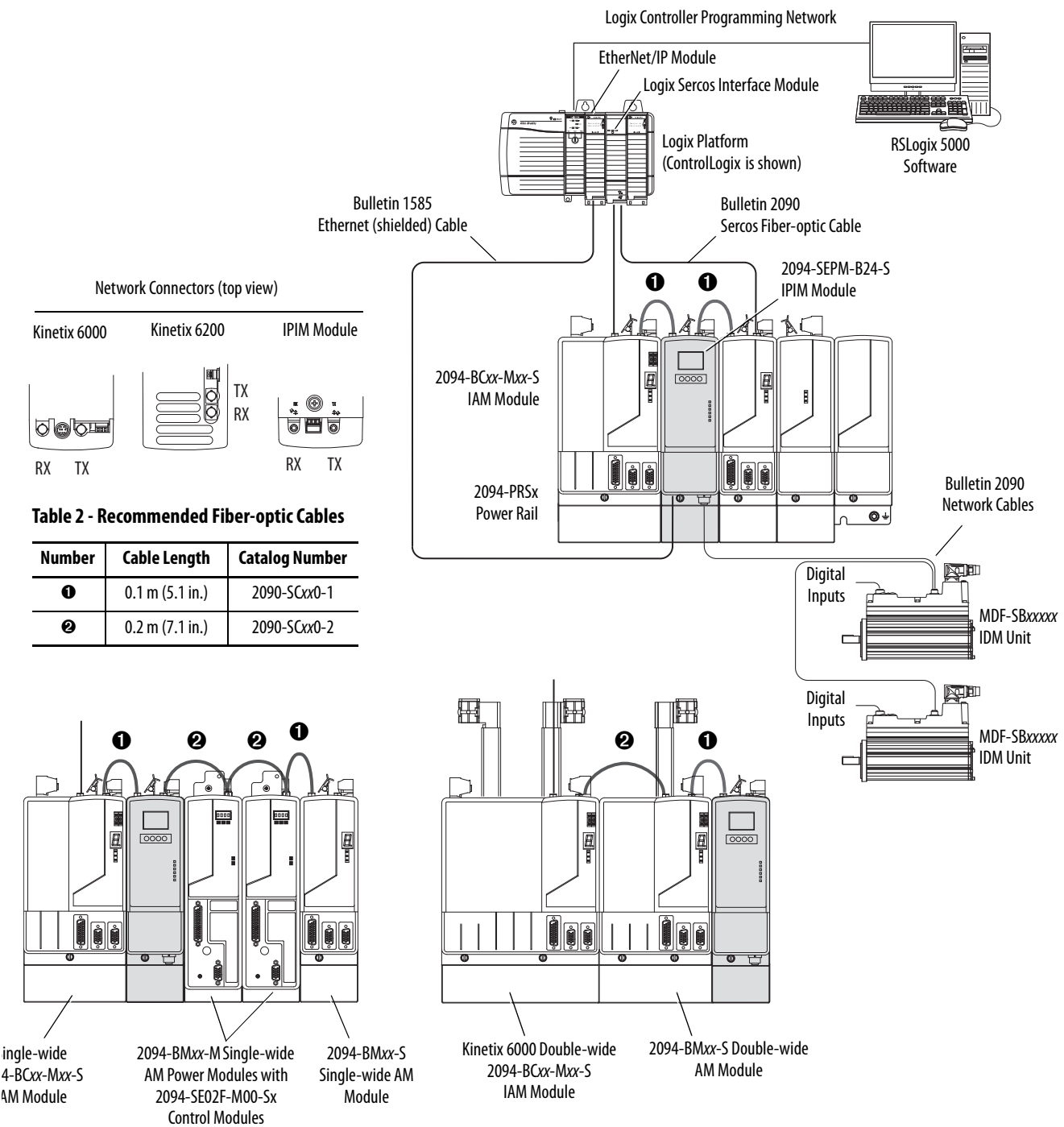
Catalog Numbers 2094-SEPM-B24-S, MDF-SB1003P, MDF-SB1153H, MDF-SB1304F



Typical Communication Configurations

The Kinetix 6000M IPIM module uses the EtherNet/IP network to report diagnostics to the controller and for firmware upgrades via ControlFLASH™ software. For more information on Ethernet cables, refer to the Industrial Ethernet Media Brochure, publication [1585-BR001](#).

Figure 5 - Typical Kinetix 6000M, Kinetix 6000 and Kinetix 6200 Network Configuration



Catalog Number Explanations

Kinetix 6000M catalog numbers and descriptions are listed in the following tables.

Table 3 - Power Interface Module (IPIM)

Cat. No.	Description
2094-SEPM-B24-S	460V IDM Power Interface Module (IPIM) w/Safe-off

Table 4 - Integrated Drive-motor (IDM)

Cat. No. (No Brake)	Cat. No. (with Brake)	Description
MDF-SB1003P-QJ82B-S	MDF-SB1003P-QJ84B-S	460V, IEC 100 mm, 5000 rpm, Keyed
MDF-SB1003P-QK82B-S	MDF-SB1003P-QK84B-S	460V, IEC 100 mm, 5000 rpm, Smooth
MDF-SB1153H-QJ82B-S	MDF-SB1153H-QJ84B-S	460V, IEC 115 mm, 3500 rpm, Keyed
MDF-SB1153H-QK82B-S	MDF-SB1153H-QK84B-S	460V, IEC 115 mm, 3500 rpm, Smooth
MDF-SB1304F-QJ82B-S	MDF-SB1304F-QJ84B-S	460V, IEC 130 mm, 3000 rpm, Keyed
MDF-SB1304F-QK82B-S	MDF-SB1304F-QK84B-S	460V, IEC 130 mm, 3000 rpm, Smooth

Table 5 - Replacement Parts

Cat. No.	Description
MPF-SST-A3B3 MPF-SST-A4B4 MPF-SST-A45B45	Shaft seal kit for: MDF-SB1003 MDF-SB1153 MDF-SB1304
2094-XNIPIM	IPIM module connectors; includes hybrid DC bus, hybrid communication, safe-off, and enable.
2094-SEPM-FUSE	Fuses for IPIM module, 6 each.
MDF-SB-NODECVR	IDM unit node address switch covers.
1485-M12	IDM unit digital input connector covers.
2090-CTHP8 2090-CTSRP	Terminator: Hybrid Network

Table 6 - Accessories

Cat. No.	Description
MPS-AIR-PURGE	Positive air pressure kit.

Component Compatibility

The Kinetix 6000M integrated drive-motor system is compatible with:

- 400V-class Series B Kinetix 6000 drive systems
- 400V-class Kinetix 6200 drive systems

IMPORTANT Kinetix 6500 EtherNet/IP control modules (catalog numbers 2094-EN02D-M01-Sx) are not compatible with the Kinetix 6000M IPIM or Kinetix 6000/Kinetix 6200 IAM and AM modules on the same Bulletin 2094 power rail.

IMPORTANT The IDM system cannot be accessed with DriveExplorer™ or a human interface module (HIM). However, all IDM units respond to a Stop command from a HIM.

Table 7 - IDM System Compatibility

Component	Requires
RSLinX® software version	RSLinX version 2.590 or greater will fully support the IPIM module after installation of an appropriate EDS file
RSLogix 5000 software	20.010 ⁽¹⁾ or later
IPIM AOP (Add-on Profile)	1.x
Kinetix 6000 drive firmware	1.123 or later
Kinetix 6200 drive firmware	1.045 or later
ControlLogix EtherNet/IP modules	All 1756 Ethernet modules; 1756-ENBT, 1756-EN2T

(1) Version 20.000 can be used if the motion database is updated to version 8.120. For detailed information about updating the motion database, refer to [RA Knowledgebase](#) article 490160.