AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

DAPC100 3ASC25H203

ASTAT Motion Control Board

TYPE	REFERENCE	FAMILY	SCOPE
ASTAT Motion Control Board	**3ASC25H203**	**ASTAT**	**Exact-board reference**

ABB DAPC100 3ASC25H203 is the microcontroller-based control board for ABB ASTAT crane motion control. It coordinates the thyristor interface and exchanges control information with process I/O and other ASTAT units through serial and optical connections.

01 DOCUMENTED PRODUCT REFERENCE

Board supply connection	24 VDC; X4
Data bus width	16 bit
Address bus width	18 bit
Clock frequency	16.384 MHz
Interrupt levels	7
Watch supervision	2 levels
Timeout supervision	50 µs
Onboard EPROM	512 Kbytes

DAPC100 reference for ASTAT AST10_054; board generation and software require verification.

02 TECHNICAL DATA

Onboard RAM	64 Kbytes
MCU internal RAM	2 Kbytes
Debug interfaces	1 BDM
Thyristor bridge interfaces	2
Optical communication channels	3 logical roles: MC, M/F, I/O
Serial communication rates	9600 / 19200 / 38400 / 115200 bps
Status display	Two 7-segment indicators

03 APPLICATION AND CONFIGURATION

- DAPC100 / 3ASC25H203 label
- DARA assembly and board generation
- ASTAT program and motion parameter file
- 24 VDC supply and communication settings
- Use the applicable manufacturer safety and installation instructions.

04 OFFICIAL DOCUMENTATION

ABB ASTAT Manual, 3BSE017422R0008EN, AST10_054

ABB 3BSE017422R0008EN, AST10_054: DAPC100 data p. 21; connections p. 35; rates p. 63; display p. 247. Exact article identity: p. 223.

Independently prepared Amikon reference summary, not an original manufacturer manual. Ratings apply only under their documented conditions. Confirm the supplied marking and approved configuration before selection, installation or replacement.

AMIKON PRODUCT SUPPORT

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