

ABB DATX131

ASTAT Rotor-Feedback Circuit Reference

Manufacturer	ABB
Model / order number	DATX131 / 3ASC25H215*
Product identification	DATX 131 in feedback-module drawing
System / family context	ASTAT - DARA 1001 / 1010 drawing context

Verified scope

ABB drawing 3ASC25H200, sheet 9, visibly identifies DATX 131. Page 225 assigns this rotor-measurement form to DARA 1001 / 1010. It is a circuit reference, not a complete board datasheet.

*Order 3ASC25H215 is the requested purchasing reference; it is not verified by these pages. Voltage limits, division ratio and accuracy remain to be confirmed.

Engineering checks before replacement

- Confirm the physical DATX131 label and requested order against the installed board.
- Identify the applicable DARA 1001 / 1010 drawing and installed revision.
- Keep X1, X2, PE and RM1-RM4 circuit references distinct from electrical ratings.
- Obtain the missing ratings before testing; use qualified personnel and safe isolation.

Official ABB source reference

ABB ASTAT manual - 3BSE 017 422 R0008EN

System version AST10_054 / 10_054; original pages 225 and 242 follow.

Open original ABB manufacturer manual

This cover is an independent Sales PLC reference, not a manufacturer-issued datasheet. The following manufacturer pages retain their original text, layout and page numbering.

Request model verification or a quotation

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11. Installation diagram forms

The circuit diagram forms are developed to serve as a tool for the electrical designer. The forms are available in printed form in this manual and as dxf-files on the ASTAT Tools CD.

11.1. Thyristor Modules

Select one of the forms of Section Thyristor Modules:

25 A Thyristor Module, DASD 001 and DASD 101: {see page 226}.

dxf-file: 200-2.1.dxf

50, 100 A Thyristor Module, DASD 102 and DASD 103 (Large type): {see page 227}.

dxf-file: 200-2.2.dxf

50 A Thyristor Module, DASD 002 (Compact type): {see page 228}.

dxf-file: 200-2.2A.dxf

100 A Thyristor Module, DASD 003 (Compact type): {see page 229}.

dxf-file: 200-2.2B.dxf

200, 355 A Thyristor Module: {see page 230}.

dxf-file: 200-2.3.dxf

Parallel 200, 355 A Thyristor Modules: {see page 231}.

dxf-file: 200-2.4.dxf

630, 1000, and 1100 A Thyristor Module: {see page 232}.

dxf-file: 200-2.5.dxf

Parallel 630, 1000, 1100 A Thyristor Modules: {see page 233}.

dxf-file: 200-2.6.dxf

11.2. Control System

Select one of the Control Systems DARA 1000 DARA 1001, DARA 1010 and the common I/O forms.

11.2.1. Control System

11.2.1.1. DARA 1000

Basic Control System Module: {see page 234}. dxf-file: 200-1.1#.dxf

11.2.1.2. DARA 1001, 1010

Extended Control System Module: {see page 235}. dxf-file: 200-1.2#.dxf

11.2.2. I/O of DARA 1000, 1001 or 1010

For both DARA 1000 and DARA 1001 (6 sheets) {see page 236 to 241}

dxf-files: 200-3.dxf, 200-4.dxf, 200-5.dxf, 200-6.dxf, 200-7.dxf, and 200-8.dxf

11.2.3. Rotor measurement

For DARA 1001, 1010 (1 sheets) {see page 242}. dxf-file: 200-9.dxf

11.3. Cabin I/O

Select one of the Cabin I/O alternatives, if remote one, two or three I/O will be installed. For two I/O use two forms, for three I/O use three forms.

The form is valid for DAPM 100 as well as DAPM 101.

Form: {see page 243}. dxf-file: 200-10A.dxf

11.4. Overvoltage protection

Form: {see page 244}. dxf-file: 200-12.dxf

11.5. Multi-drop communication

Form: {see page 245}. dxf-file: 200-13#.dxf

