AI830A 3BSE040662R1

Complete Product Information | system use and selection

An S800 I/O station can use the same AI830A module for different supported RTD or resistance inputs when each channel is configured individually. The host database and MTU decide whether a physically similar replacement serves the installed measurement points.

Application context

Process temperature monitoring

Connect supported RTDs at measurement points whose approved I/O design specifies AI830A channels.

S800 distributed I/O cabinets

Install with an ABB-listed compatible module termination unit and matching field wiring.

Configuration choices

Match each field sensor to a supported RTD or resistance mode, assign the correct channel and range, and retain the approved MTU. Channel-level diagnostic handling belongs to the host configuration.

Engineering questions

If one channel drifts while others remain stable, compare the field element, three-wire lead balance, MTU contact and configured curve before changing the module.

If a replacement yields different alarm behavior, compare the notch selection, fault treatment and controller database with the saved configuration.

Source boundary

Eight-channel RTD and resistance specifications apply to the AI830A article 3BSE040662R1; sensor and termination options depend on channel configuration and the selected module termination unit.

Related references

Separate product listings for system review. Verify each application independently.

ABB SPGU240A1

ABB TC520 3BSE001449R1

Enquiry contact

Apter Power | Technical enquiry

sales13@apterpower.com | +86 18030235313