3500/25 ISOLATED KEYPHASOR I/O

Product Data Sheet

3500/25 125800-02

Isolated Keyphasor input interface

FIELD TERMINATION	PREFERRED SENSOR	INPUT SIGNAL RANGE	SIGNAL ISOLATION
Internal	**Magnetic pickup**	**+5 to -11 V**	**Parallel-connected receiving equipment**

Bently Nevada 3500/25 125800-02 is the isolated Keyphasor I/O module with internal terminations. It provides the rear field interface for a compatible 3500/25 Keyphasor installation, particularly where magnetic-pickup signals are connected in parallel to multiple receiving devices.

01 TECHNICAL DATA

Field termination	Internal
Preferred sensor	Magnetic pickup
Input signal range	+5 to -11 V
Signal isolation	Parallel-connected receiving equipment
Proximitor use	External power supply required
Phase behavior	Additional phase shift versus nonisolated I/O
I/O occupancy	One full-height rear slot
Operating temperature	-30 to +65 degC
Storage temperature	-40 to +85 degC
Humidity	95% noncondensing

02 ADDITIONAL PRODUCT DATA

The isolated interface accepts signals from +5 to -11 V and is intended primarily for shaft-speed measurement. Proximitor signals can also be isolated when an external power source is provided. Compared with nonisolated I/O, this execution introduces additional phase shift that varies with machine speed.

03 PRODUCT FUNCTION

Install 125800-02 in the matching rear full-height position for the 3500/25 Keyphasor arrangement. It is the internally terminated isolated interface, so an external-termination block is not used as its field-wiring substitute.

04 SYSTEM COMPATIBILITY

Connect the magnetic pickup or the externally powered Proximitor circuit according to the isolated interface arrangement. Keep the signal within +5 to -11 V and treat the sensor power connection separately from the isolation function.

05 REFERENCE

Bently Nevada 3500/25 Enhanced Keyphasor Module, 141532 Rev. Y.

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