

Bently Nevada 128718-01

COMPLETE PRODUCT INFORMATION

Bently Nevada 128718-01 is a Keyphasor external termination block with Euro Style connectors. It provides the external wiring interface for the 3500/25 Keyphasor arrangement through a separately selected signal-to-termination cable.

Euro Style identity

Product	128718-01 Keyphasor ET block
Connections	Euro Style execution
System path	External-termination I/O and separate 129530 cable
Separate variant	128726-01 uses terminal strip connectors

Signal-reference path

Field circuit	Termination	Rack path
Selected Keyphasor transducer	128718-01 ET block and 129530 cable	External I/O and 3500/25 module

External Keyphasor wiring

Organize field connections for a 3500/25 arrangement using external-termination I/O.

Rack maintenance

Service the Euro Style termination interface while preserving cable identification and channel mapping.

Speed and phase-reference channels

Support the wiring path feeding the module that derives shaft timing and synchronous vibration references.

Isolated I/O installations

Use in the selected external-termination arrangement after checking isolation, transducer power and signal requirements.

Important Notice

Match the Euro Style block, external-termination I/O and selected cable before rewiring. Internal-termination I/O cannot use an ET block, and the isolated I/O requirements must be checked separately from the block identity.

Host buffered reference outputs

The associated 3500/25 provides two buffered Keyphasor outputs at the front through coaxial connectors and two at the rear through Euro Style connectors. Their buffered output impedance is 504 ohm maximum. These are host-system interfaces; preserve the installed diagnostic connection and channel identity during termination work.

Host transducer power context

The host Keyphasor transducer supply is -24 VDC with 40 mA maximum per channel. Review the selected I/O circuit before using this host rating: isolated I/O in a Proximitor application requires an external supply, and the ET-block part number does not determine that circuit arrangement.

Connect with ApterPower

Phone: +86 180 3023 5313
Email: sales13@apterpower.com
www.apterpower.com



Cable family and assembly

Associated Cable Family	129530-AAAA-BB
-------------------------	----------------

Cable Assembly Option 01	Not assembled
--------------------------	---------------

Cable Assembly Option 02	Assembled
--------------------------	-----------

Separately ordered cable lengths

Cable Length Option 0005	5 ft (1.5 m)
--------------------------	--------------

Cable Length Option 0007	7 ft (2.1 m)
--------------------------	--------------

Cable Length Option 0010	10 ft (3 m)
--------------------------	-------------

Cable Length Option 0025	25 ft (7.5 m)
--------------------------	---------------

Cable Length Option 0050	50 ft (15 m)
--------------------------	--------------

Cable Length Option 0100	100 ft (30.5 m)
--------------------------	-----------------

External I/O choices

External I/O, Non-isolated	126648-01
----------------------------	-----------

External I/O, Isolated	126648-02
------------------------	-----------

Host Signal Sources	Proximity transducers or magnetic pickups
---------------------	---

Hardware boundary

128718-01 identifies a Euro Style external termination block. The main 3500/25 module, its I/O module and the interconnecting cable perform different functions. Host-module signal limits, thresholds and output ratings below describe the associated system; they are not standalone ET-block power or processing ratings.

External termination rule

ET blocks are incompatible with internal-termination I/O modules. Order the block and interconnection cable separately when external-termination I/O is used.

Related machinery-monitoring products

Bently Nevada 128031-01	Related monitoring product; verify system and function
-------------------------	--

Bently Nevada 114M5330-01	Related monitoring product; verify system and function
---------------------------	--

Connect with ApterPower

Phone: +86 180 3023 5313

Email: sales13@apterpower.com

www.apterpower.com



- 01. Confirm the 128718-01 Euro Style execution before moving wires; 128726-01 is the terminal-strip variant.
- 02. Use an external-termination I/O module; an ET block cannot be connected as an internal-termination conversion.
- 03. Identify the separate 129530 cable and verify both length and assembled/not-assembled option before installation.
- 04. Apply the machine isolation and protection procedure before interrupting a Keyphasor reference used by other channels.
- 05. Preserve field-circuit identification and verify every connection against the installed module wiring instructions.
- 06. For isolated I/O with a Proximitor application, provide the external power supply required by that arrangement.
- 07. Assess phase-sensitive measurements with the chosen I/O execution; isolated I/O introduces additional phase shift.
- 08. After restoration, verify the intended speed, event count and timing reference through the machine commissioning procedure.

Associated module role

Main module	3500/25; half-height, two-channel
Transducer sources	Proximity transducers or magnetic pickups
Normal rack configuration	Up to four Keyphasor signals
Paired rack configuration	Up to eight Keyphasor signals

Timing and source

A Keyphasor signal is a once-per-turn or multiple-event-per-turn shaft or gear pulse. The associated monitor and diagnostic equipment use this timing to calculate shaft speed and vector quantities such as 1X vibration amplitude and phase. Preserving event count and channel identity therefore matters when an ET connection is serviced.

Isolation considerations

The isolated Keyphasor I/O version was designed for magnetic-pickup applications where signals are tied in parallel to multiple devices. Proximitor applications require an external power supply. Isolated I/O introduces more phase shift than non-isolated I/O and is primarily intended for shaft-speed measurement; evaluate phase work with the actual I/O arrangement.

Connect with ApterPower

Phone: +86 180 3023 5313
Email: sales13@apterpower.com
www.apterpower.com



How is 128718-01 different from the terminal-strip Keyphasor block?

128718-01 uses Euro Style connectors. The terminal-strip external termination block is 128726-01; connector execution is the distinguishing selection.

Can 128718-01 be used with an internal-termination I/O module?

No. External termination blocks cannot be used with internal-termination I/O modules. Select the corresponding external-termination I/O arrangement.

Which cable family connects 128718-01 to the Keyphasor rack path?

129530-AAAA-BB is the Keyphasor signal-to-ET-block cable family. Choose its length and assembly option separately; the block and cable are separate ordering items.

What does the assembly suffix on a cable selected for 128718-01 mean?

For 129530 cables, BB01 means not assembled and BB02 means assembled. This suffix describes the cable supply configuration, not a different ET-block connector type.

Related machinery-monitoring products

Bently Nevada 128229-01

Related monitoring product; verify system and function

Bently Nevada 3500/90

Related monitoring product; verify system and function

Bently Nevada 3500/32M

Related monitoring product; verify system and function

Three documents, distinct purposes

Technical Reference

Block selection, host interfaces and signal context

Installation & Commissioning Guide

Work planning, connections and functional acceptance

Complete Product Information

Product identity, applications and service questions

Field-procedure boundary

Before disconnecting a reference used by monitoring or protection channels, identify the affected machinery functions and apply the plant isolation and protection procedure. Keep wire labels and the installed wiring drawing available. These service checks do not define shutdown settings or authorize bypassing protection.

Connect with ApterPower

Phone: +86 180 3023 5313

Email: sales13@apterpower.com

www.apterpower.com



Does 128718-01 itself generate the digital Keyphasor reference?

The 3500/25 module receives proximity-transducer or magnetic-pickup signals and converts them to the digital Keyphasor reference. 128718-01 serves the external termination path.

What power check matters when 128718-01 is used with isolated I/O and a Proximito?

The isolated I/O arrangement supports Proximito applications when an external power supply is provided. Apply that requirement to the selected transducer circuit rather than assuming that the ET block supplies the required power.

Why should phase measurements be reviewed when servicing 128718-01 in an isolated I/O arrangement?

Isolated Keyphasor I/O introduces more phase shift than the non-isolated version and is primarily intended for shaft-speed measurement. Evaluate the actual I/O execution and machine speed before interpreting phase results.

What should be tested after rewiring 128718-01?

As field acceptance checks, confirm channel mapping, the intended events per revolution and the recovered speed/timing reference. Restore the machine protection arrangement only after its prescribed functional checks are complete.

Related machinery-monitoring products

Bently Nevada 3500/64M

Related monitoring product; verify system and function

Bently Nevada 3500/60

Related monitoring product; verify system and function

Bently Nevada 3500/45

Related monitoring product; verify system and function

Recommendation scope

The linked items belong to the machinery-monitoring portfolio. Similar rack or system naming does not prove electrical compatibility or interchangeability with this Keyphasor termination block.

Manufacturer reference

3500/25 Enhanced Keyphasor Module, Datasheet 141532 Rev. Y: Keyphasor function and isolated I/O context pp. 1-2; host signal specifications p. 3; external termination restrictions p. 7; 128718-01, 129530 cables and related spares pp. 8-9. This guide organizes selected manufacturer facts and practical installation checks; the installed equipment wiring and commissioning procedure controls field work.

Connect with ApterPower

Phone: +86 180 3023 5313

Email: sales13@apterpower.com

www.apterpower.com

