

INDUSTRIAL AUTOMATION PRODUCT

125760-01

Data Manager I/O Module

Bently Nevada 125760-01 is the Data Manager I/O module for the 3500/20 Rack Interface Module. It transfers static and dynamic rack data to supported external communication and acquisition processors.

IDENTITY	VERIFIED VALUE
Manufacturer	Bently Nevada
System family	3500/20 Rack Interface System
Part number	125760-01
Country	USA
HS code	8537101190

APTER POWER SALES TEAM

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2

Technical Specifications

Technical values below are limited to the named Bently Nevada product record.

PARAMETER	TECHNICAL VALUE
I/O module type	Data Manager
Communication port sets	2
Protocol	Bently Nevada proprietary
Data rate	9600 baud fixed
Static data processors	TDIX; DDIX
Dynamic data processors	TDIX; DDIX
Maximum cable length	3 m
Rack connector interface	RS422
Rack connector data rate	38.4 kbaud maximum
Rear rack space	1 full-height slot
Matched front module	3500/20 RIM

ENGINEERING DATA SUMMARY

DATA GROUP	VERIFIED ASSIGNMENT
Installed host / carrier	3500 rack rear slot
Companion hardware	3500/20 RIM
Field connection	TDXnet, TDIX or DDIX processor
Primary system function	Provides two proprietary data-interface port sets at the rear of a 3500 rack
Controlled acceptance duty	Transient-data collection

3

System Role and Architecture

Bently Nevada 125760-01 is the Data Manager I/O module for the 3500/20 Rack Interface Module. It transfers static and dynamic rack data to supported external communication and acquisition processors.

FUNCTION 1

Provides two proprietary data-interface port sets at the rear of a 3500 rack

FUNCTION 2

Transfers static and dynamic monitoring data to supported external processors

FUNCTION 3

Connects the rack to TDXnet, TDIX or DDIX acquisition architectures

FUNCTION 4

Maintains the short, fixed-rate communications path specified for the Data Manager interface

Matched system components

- 3500 rack rear slot
- 3500/20 RIM
- TDXnet, TDIX or DDIX processor
- Approved static and dynamic data cables

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	3500 rack rear slot
Companion hardware	3500/20 RIM
Field connection	TDXnet, TDIX or DDIX processor
Primary system function	Provides two proprietary data-interface port sets at the rear of a 3500 rack
Controlled acceptance duty	Transient-data collection

4

Applications and Engineering Context

Transient-data collection

Provides two proprietary data-interface port sets at the rear of a 3500 rack

Dynamic waveform acquisition

Transfers static and dynamic monitoring data to supported external processors

Rack static-value export

Connects the rack to TDXnet, TDIX or DDIX acquisition architectures

Legacy DDIX or TDIX interface restoration

Maintains the short, fixed-rate communications path specified for the Data Manager interface

TECHNICAL NOTE

Preserve both port-set identities and cable destinations, keep the data cables within the documented length and verify static plus dynamic data transfer before placing the acquisition system back in service.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	125760-01 / 125760-01 recorded
Physical interface	3500 rack rear slot
Companion check	3500/20 RIM
Functional proof	Provides two proprietary data-interface port sets at the rear of a 3500 rack
Application test	Transient-data collection

5

Engineering Precautions

1

Match 125760-01 to the rear slot of the designated 3500/20 RIM.

2

Stop external acquisition sessions before disconnecting either Data Manager port set.

3

Label static and dynamic data cables separately at both ends.

4

Do not substitute a host-configuration serial cable for the Data Manager connection.

5

Keep each TDIX or DDIX cable path within the published three-metre limit.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
3500/40M 176449-01	Four-channel Proximitor monitor	Open product page
125680-01	Internal-termination Proximitor I/O module	Open product page
125720-01	Four-channel relay output module	Open product page
125768-01	3500 RIM RS232/RS422 I/O module	Open product page
128240-01	External-termination Prox/Seismic I/O	Open product page

MANUFACTURER SOURCE RECORD

3500/20 Rack Interface Module Datasheet

141531 Rev. D

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