

Bently Nevada 330980-51-00 Manual

Brand	Bently Nevada
Product Series	330180&330780&330980
Product Type	NSv Proximito Sensor

Description

Part Number: 330980-51-00

Model: NSv Proximito Sensor

Manufacturer: Bently Nevada

Model and Suffix Codes

Model: 330980 - NSv Proximito Sensor

Total Length and Mounting Option: 51= 5.0 meters (16.4 feet) system length, DIN mount

Agency Approval Option: 00 - Not required

The 3300 XL NSv Proximito Sensor has similar features to those found in the 3300 XL 8 mm Proximito Sensor. Its thin design allows the user to mount it in either a high-density DIN rail installation or a more traditional panel mount configuration. Improved RFI/EMI immunity allows the 3300 XL NSv Proximito Sensor to achieve European CE mark approvals without any special mounting considerations. This RFI immunity also prevents nearby high frequency radio signals from adversely affecting the transducer system. SpringLoc terminal strips on the Proximito Sensor require no special installation tools and facilitate faster, highly robust field wiring connections.

Proximito Sensor Material A380 aluminum

Proximito

Sensor 255 g (9 oz)

Proximito

Sensor Input

Accepts one noncontacting 3300 RAM or 3300 NSv Proximity Probe and Extension Cable.

Power

Requires -17.5 Vdc to -26 Vdc without barriers at 12 mA maximum

consumption, -23 Vdc to
-26 Vdc with barriers.

Operation at a more
positive voltage than -23.5
Vdc can result in reduced
linear range.

Supply

Sensitivity

Less than 2 mV change in
output voltage per volt
change in input voltage.

Output

resistance 50 Ω

Unless otherwise noted, the following
specifications are for a 3300 XL NSv Proximity
Sensor, extension cable and probe between
0°C and +45°C (+32°F to +113°F) at a maximum
altitude of 2000 m, with a -24 Vdc power
supply, a 10 k Ω load, a Bently Nevada supplied
AISI 4140 steel target that is 31 mm (1.2 in)
diameter or larger, and a probe gap of 1.0 mm
(40 mils). The system accuracy and
interchangeability specifications do not apply
when using a transducer system calibrated to
any target other than a Bently Nevada AISI 4140
steel target.

Operating

Temperature

-52°C to +100°C (-62°F to
+212°F)

Storage

Temperature

-52°C to +105°C (-62°F to
+221°F)

Relative

Humidity

100% condensing, nonsubmersible when
connectors are
protected. Tested to IEC 68-2-
3 damp heat.

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