

Bently Nevada 330180&330780&330980 Series Service Manual

330780-90-05

1. Description

Manufacturer : Bently Nevada

3. Product Information

Manufacturer : Bently Nevada

Product No. : 330780-90-05

Product type : 3300 XL 11 mm Proximity Sensor

Total length and mounting option : 90 9.0 meters (29.5 feet) system
length, panel mount

Agency approval option :05 Multiple approvals

Dimensions (HxWxD), approx. : 6.35cm x 6.12cm x 8.13cm

The 3300 XL 11 mm Proximity Sensor has the
same advanced features found in the 3300 XL 8

mm Proximity Sensor. Its thin design allows it
to be mounted in either a high-density DIN-rail
installation or a more traditional panel mount

configuration. Improved RFI/EMI immunity
allows the 3300 XL Proximity Sensor to achieve
European CE mark approvals without any

special mounting considerations. This RFI
immunity also prevents the transducer system
from being adversely affected by nearby high
frequency radio signals. SpringLoc terminal
strips on the Proximity Sensor require no
special installation tools and facilitate faster,
highly robust field wiring connections.

Proximity Sensors are supplied by
default from the factory calibrated to AISI
4140 steel. Calibration to other target
materials is available upon request.

Electrical

Proximity Sensor

Input

Accepts one non-contacting
3300 XL 11 mm 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

Proximity

Sensor Material A380 aluminum

System Length 5 or 9 meters including
extension cable

Proximity Sensor Temperature Range

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.

