Bently Nevada 330876 Series Service Manual

330878-50-00

1. Description

Manufacturer : Bently Nevada

3. Product Information

Manufacturer : Bently Nevada

Product No. : 330878-50-00

Product Type : 3300 XL 50 mm Proximitor Sensor

Made in U.S.A

Total Length and Mounting Option : 50 = 5.0 metres (16.4 feet) system length, panel mount

Agency Approval Option : 00 = No Approvals

The 3300 XL 50 mm Proximitor Sensor has the
same advanced features as all 3300 XL
Proximitor Sensors. 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 Proximitor Sensor to achieve
European CE mark approvals without any
special mounting considerations. This RFI
immunity prevents the transducer system from
being adversely affected by nearby high
frequency radio signals. SpringLoc terminal
strips on the Proximitor Sensor require no
special installation tools and facilitate faster,
highly robust field wiring connections.
Proximitor Sensors are supplied by
default from the factory calibrated to
AISI 4140 steel. Calibration to other
target materials is available upon
request.

Proximitor
Sensor Input

Accepts one noncontacting 3300 XL 50 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.

Output

resistance 50 Ω

Extension cable
capacitance

69.9 pF/m (21.3 pF/ft)
typical

Proximitor
Sensor Material A380 aluminum

Operating
Temperature

-51°C to +100°C (-60°F to
+212°F)

Storage
Temperature

-51°C to +105°C (-60°F to