Bently Nevada 330876 Series Service Manual

330878-X1-00

1. Description

Manufacturer : Bently Nevada

3. Product Information

Manufacturer : Bently Nevada

Product No. : 330878-X1-00

Product Type : 3300 XL 50 mm Proximitor Sensor

Made in U.S.A

Total Length and Mounting Option :X1=

5 1=5.0 meters (16.4 feet) system

length, DIN mount

9 1=9.0 meters (29.5 feet) system

length, DIN 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 +221°F)