Bently Nevada 330180&330780&330980 Series Service Manual

330780-X1-05

1. Description

Manufacturer : Bently Nevada

3. Product Information

Manufacturer : Bently Nevada

Product No. : 330780-X1-05

Product type : 3300 XL 11 mm Proximitor Sensor

Total length and mounting option :X1:

51 =5.0 meter (16.4 feet) system

length, DIN mount

91 =9.0 meters (29.5 feet) system

length, DIN mount

Agency approval option :05 =Multiple approvals

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

The 3300 XL 11 mm Proximitor Sensor has the

same advanced features found in the 3300 XL 8

mm Proximitor 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 Proximitor 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 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.

Electrical

Proximitor 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

Proximitor

Sensor Material A380 aluminum

System Length 5 or 9 meters including

extension cable

Proximitor 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.