Bently Nevada 330850-91-00 Manual

Brand	Bently Nevada
Product Series	330850&330854
Product Type	Proximity Sensor

Description

Part Number: 330850-91-00
Model: Proximity Sensor
Manufacturer: Bently Nevada
Condition: New & Original in Factory Packing
Factory Warranty: 12 Months

330850-AA-BB
A: Total Length and Mounting Option
9 1 9.0 metres (29.5 feet) system length,
DIN mount

B: Agency Approval Option
0 0 No Approvals

The 3300 XL 25 mm Proximitor Sensor1 has the same advanced features as our previous 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 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.

Proximitor
Sensor Input
Accepts one noncontacting 3300 XL

25 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 W

Proximitor
Sensor
Material
A380 aluminum
Sliding
Bracket
Material
Anodized aluminum and stainless
steel

Proximitor
Sensor
255 g (9 oz)

Proximitor Sensor Temperature Range
Operating
Temperature
-51°C to +100°C (-60°F to +212°F)
Storage
Temperature
-51°C to +105°C (-60°F to +221°F)

Compliance and Certifications
FCC
This device complies with part 15 of the
FCC Rules. Operation is subject to the
following two conditions:
l This device may not cause harmful
interference.
l This device must accept any
interference received, including
interference that may cause
undesired operation.
EMC

EN 61000-6-2
EN 61000-6-4
EMC Directive 2014/30/EU
RoHS
RoHS Directive 2011/65/EU
Maritime
ABS 2009 Steel Vessels Rules
1-1-4/7.7,4-8-3/1.11.1,4-9-7/13

ia:
When installed
with
intrinsically
safe zener
barriers per
drawing
141092 or
when installed
with galvanic
isolators.
Class I, Zone 0: AEx/Ex ia IIC T4/T5
Ga;
Class I, Groups A, B, C, and D,
Class II, Groups E, F and G,
Class III;
T5 @ Ta= -55 ˚C to + 40 ˚C.
T4 @ Ta= -55 ˚C to + 80˚C.
nA, ec:
When installed
without
barriers per
drawing
140979.
Class I, Zone 2: AEx/Ex nA IIC T4/T5
Gc;
Class I, Division 2, Groups A, B, C,
and D;
Class I, Zone 2: AEx/Ex ec IIC T4/T5
Gc;
Class I, Division 2, Groups A, B, C,
and D;
T5 @ Ta= -55 ˚C to + 40 ˚C
T4 @ Ta= -55 ˚C to + 80˚C