Product data sheet

Specifications

Green Premium™

Coated Fibre optic repeater SM/LC RIO S908 2CH

140NRP95401C

Main

Range Of Product	Modicon Quantum automation platform
Product Or Component Type	Fibre optic repeater
Optic Fiber Type	Single mode

Complementary

Bus Current Requirement	750 mA
Power Dissipation In W	5 W
Inrush Current	1.8 A 5 V DC
Number Of Port	2 fiber optic LC 1 coaxial connector
Local Signalling	1 LED green RDY module status 1 LED red ERR internal fault, module failure 1 LED green coaxial communication status 2 LEDs green optical communication status 1 LED red FAULT error 1 LED red activity detected
Wavelength	0.000051181 in (1300 nm)
Optic Distance Between 2 Transceivers	52493.44 ft (16000 m) 9/125 µm)0.45 dBm
Attenuation	-15…-8 dB 9/125 µm)
Rise/Fall Time	20 ns
Receiver Sensitivity	- 25 dBm
Dynamic Range	20 dB
Detected Silence	-45 dBm
Marking	CE
Material	PC (polycarbonate)
Awg Gauge	AWG 14...AWG 1
Width	1.59 in (40.34 mm)
Height	9.84 in (250 mm)
Depth	4.09 in (103.85 mm)
Net Weight	1.22 lb(US) (0.554 kg)

Environment

Ambient Air Temperature For Operation	32…140 °F (0…60 °C)
Ambient Air Temperature For Storage	-40…185 °F (-40…85 °C)

Relative Humidity	0…95 %
Operating Altitude	0...2000 m
Standards	FM Class 1 Division 2 CSA C22.2 No 142 UL 508
Product Certifications	Merchant Navy

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	1.77 in (4.5 cm)
Package 1 Width	6.50 in (16.5 cm)
Package 1 Length	12.40 in (31.5 cm)
Package 1 Weight	22.01 oz (624.0 g)
Unit Type Of Package 2	S02
Number Of Units In Package 2	2
Package 2 Height	5.91 in (15.0 cm)
Package 2 Width	11.81 in (30.0 cm)
Package 2 Length	15.75 in (40.0 cm)
Package 2 Weight	2.75 lb(US) (1.248 kg)

Contractual warranty

Warranty	18 months

Sustainability Green Premium™

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO_2 products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium ›

Guide to assess a product's sustainability ›
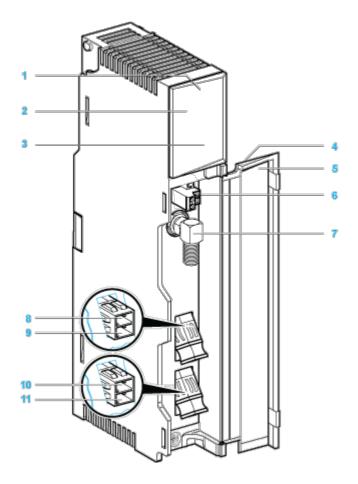
RoHS/REACh

Well-being performance

✓ Reach Free Of Svhc

✓ Mercury Free

✓ Rohs Exemption Information   Yes

Certifications & Standards

Eu Rohs Directive

Pro-active compliance (Product out of EU RoHS legal scope)

EU RoHS Declaration

China Rohs Regulation

China RoHS declaration

Weee

The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Circularity Profile

End of Life Information

Presentation

Presentation
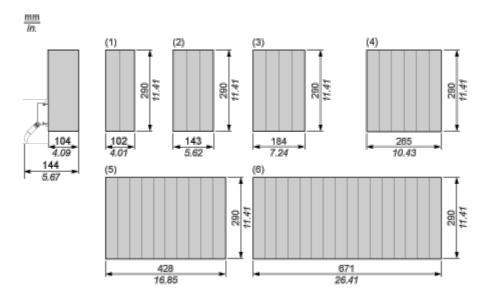

1   Version label

2   Model number, module description, color code

3   LED area

4   Removable door

5   Customer identification label (Fold label and place it inside door)

6   Diagnostic relay port

7   Electrical coaxial port ("F" type connector)

8   Receiver optical fiber port - FPort 1 Rx (LC type connector)

9   Transmitter optical fiber port - FPort 1 Tx (LC type connector)

10   Receiver optical fiber port - FPort 2 Rx (LC type connector)

11   Transmitter optical fiber port - FPort2 Tx (LC type connector)

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Dimensions Drawings

Racks for Modules Mounting

Dimensions of Modules and Racks

mm
in.

(1)	2 slots
(2)	3 slots
(3)	4 slots
(4)	6 slots
(5)	10 slots
(6)	16 slots