

Product datasheet

Specifications



Coated Fibre optic repeater MM/ST RIO S908 2CH

140NRP95400C

- ❗ Discontinued on: 31 December 2021
- ❗ To be end-of-service on: 31 December 2029

❗ To be discontinued

Main

Range of product	Modicon Quantum automation platform
Product or component type	Fibre optic repeater
Optic fiber type	Multi mode

Complementary

Bus current requirement	700 mA
Power dissipation in W	5 W
Inrush current	1 A at 5 V DC
Number of port	2 fiber optic, connector type: ST 1, connector type: coaxial connector
Local signalling	1 LED green with RDY marking for module status 1 LED red with ERR marking for internal fault, module failure 1 LED green for coaxial communication status 2 LEDs green for optical communication status 1 LED red with FAULT marking for error 1 LED red for activity detected
Wavelength	820 nm
Optic distance between 2 transceivers	2000 m (50/125 µm), optical power: 3.5 dBm 3000 m (62.5/125 µm), optical power: 3.5 dBm 3000 m (100/140 µm), optical power: 5 dBm
Attenuation	-20...-13 dB (50/125 µm) -16...-10 dB (62.5/125 µm) -10.5...-4 dB (100/140 µm)
Rise/Fall time	20 ns
Receiver sensitivity	- 30 dBm
Dynamic range	20 dB
Detected silence	-36 dBm
Marking	CE
Material	PC (polycarbonate)
AWG gauge	AWG 14...AWG 1
Width	40.34 mm
Height	250 mm
Depth	103.85 mm

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Net weight	0.554 kg
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Environment

Ambient air temperature for operation	0...60 °C
Ambient air temperature for storage	-40...85 °C
Relative humidity	0...95 %
Operating altitude	0...2000 m
Standards	UL 508 CSA C22.2 No 142 FM Class 1 Division 2
Product certifications	TÜV Merchant Navy

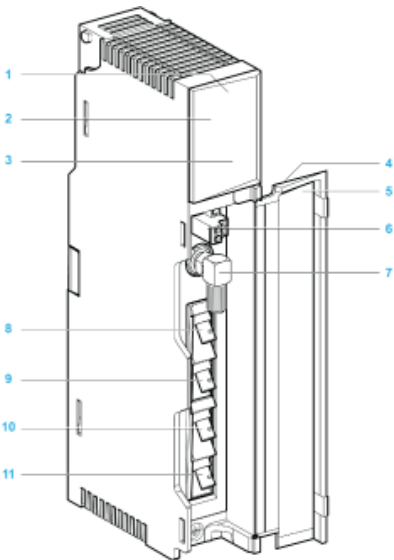
Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	5.0 cm
Package 1 Width	16.5 cm
Package 1 Length	31.5 cm
Package 1 Weight	614.0 g
Unit Type of Package 2	S02
Number of Units in Package 2	2
Package 2 Height	15.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	1.578 kg

Contractual warranty

Warranty	18 months
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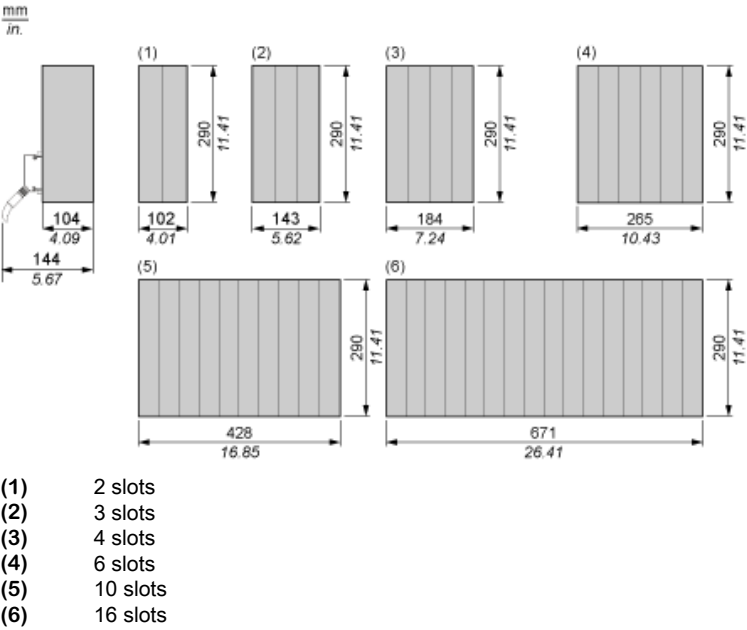
Presentation



- 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 Transmitter optical fiber port - FPort 1 Tx (ST type connector)
- 9 Receiver optical fiber port - FPort 1 Rx (ST type connector)
- 10 Receiver optical fiber port - FPort 2 Rx (ST type connector)
- 11 Transmitter optical fiber port - FPort 2 Tx (ST type connector)

Racks for Modules Mounting

Dimensions of Modules and Racks



Recommended replacement(s)

140NRP95400C is replaced by:

1x

fiber converter, Modicon X80, MM/LC 2CH 100Mb, for severe environment

BMXNRP0200C