

Fibre optic repeater MM/ST RIO S908 2CH

140NRP95400

- ! Discontinued on: 31 Dec 2022
- ! To be end-of-service on: 31 Dec 2030

(!) To be discontinued

Main

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

Complementary

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	-2013 dB (50/125 μm) -1610 dB (62.5/125 μm) -10.54 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 14AWG 1	
Width	40.34 mm	
Height	250 mm	
Depth	103.85 mm	
Net weight	0.554 kg	

Environment

Ambient air temperature for operation	060 °C	
Ambient air temperature for storage	-4085 °C	
Relative humidity	095 %	
Operating altitude	02000 m	
Standards	CSA C22.2 No 142 UL 508 FM Class 1 Division 2	
Product certifications	TÜV	

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.900 cm
Package 1 Width	16.400 cm
Package 1 Length	31.500 cm
Package 1 Weight	596.000 g

Contractual warranty

Warranty 18 months



Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

Environmental Data explained >

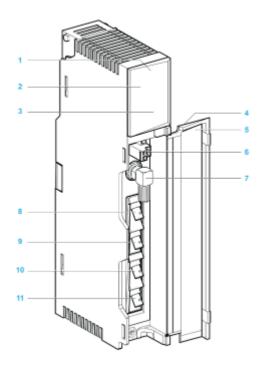
How we assess product sustainability >

Use Better

EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Use Again	
○ Repack and remanufacture	
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Presentation

Presentation

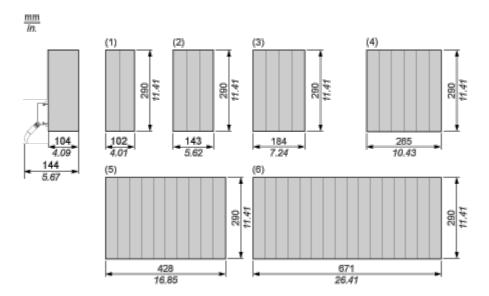


- 1 Version label
- 2 Model number, module description, color code
- 3 LED area
- 4 Removable door
- 5 Customer identification label (Fold label and place it inside door)
- 6 Diagnostic relay port
- 7 Electrical coaxial port ("F" type connector)
- 8 Transmitter optical fiber port FPort 1 Tx (ST type 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)

Dimensions Drawings

Racks for Modules Mounting

Dimensions of Modules and Racks



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