Product data sheet

Specifications



Fibre optic repeater MM/ST RIO S908 2CH

140NRP95400

To be discontinued on: 31 December 2022

To be end-of-service on: 31 December 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

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

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	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 Weight	610.0 g
Package 1 Height	5 cm
Package 1 width	16 cm
Package 1 Length	31.5 cm
Unit Type of Package 2	S03
Number of Units in Package 2	7
Package 2 Weight	4.59 kg
Package 2 Height	30 cm
Package 2 width	30 cm
Package 2 Length	40 cm

Offer Sustainability

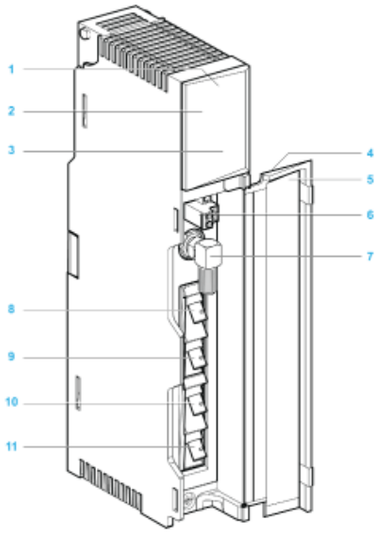
Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
REACh free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Contractual warranty

Warranty	18 months

Product data sheet 140NRP95400
Presentation

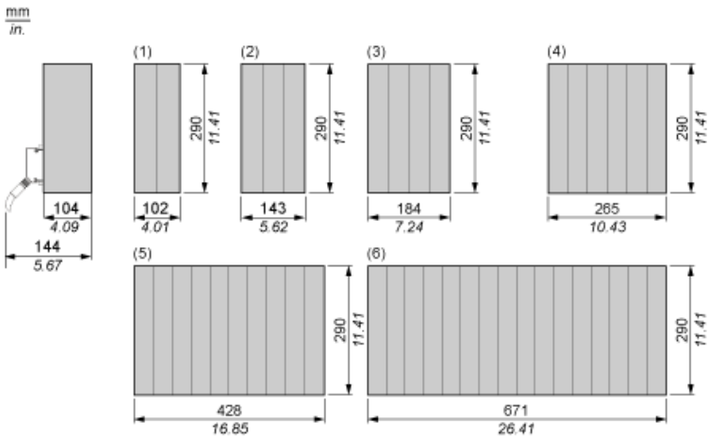
Presentation



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)

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

Recommended replacement(s)

140NRP95400 is replaced by:

1x 

Fiber Converter MM/LC 2CH 100Mb
BMXNRP0200