



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	1, connector type: coaxial connector 2 fiber optic, connector type: ST
Local signalling	1 LED red for activity detected 1 LED red for error with FAULT marking 2 LEDs green for optical communication status 1 LED green for coaxial communication status 1 LED red for internal fault, module failure with ERR marking 1 LED green for module status with RDY marking
Wavelength	820 nm
Optic distance between 2 transceivers	3000 m (100/140 µm), optical power : 5 dBm 3000 m (62.5/125 µm), optical power : 3.5 dBm 2000 m (50/125 µm), optical power : 3.5 dBm
Attenuation	-10.5...-4 dB (100/140 µm) -16...-10 dB (62.5/125 µm) -20...-13 dB (50/125 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
Product weight	0.554 kg

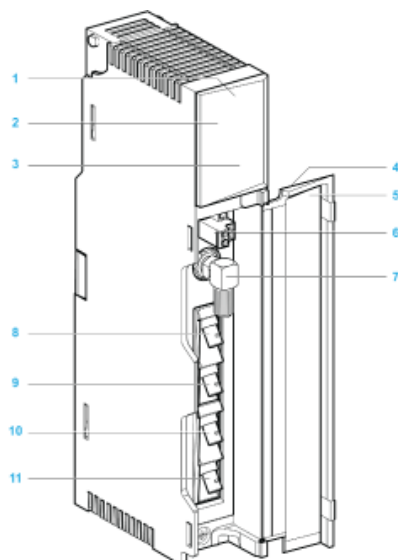
Environment

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

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1111 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Need no specific recycling operations

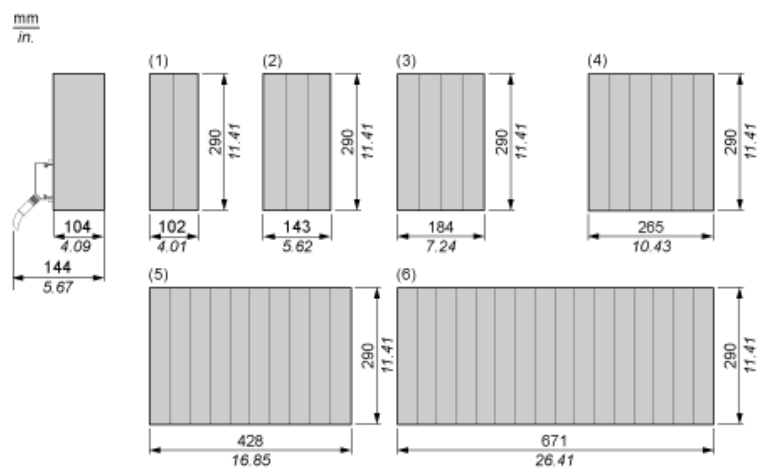
Presentation



- 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