

Product data sheet

Specifications



Modicon Quantum DIO head-end adaptor - fibre optic cable medium

140NOM25200C

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

❗ Discontinued - Service only

Main

Range of product	Modicon Quantum automation platform
Product or component type	DIO head-end adaptor

Complementary

Number of port	1 Modbus Plus fiber optic single copper 1 Modbus RS232 twisted pair
Transmission rate	1 Mbit/s
Electrical connection	1 connector RJ45 2 connectors TX/RX
I/O words	30 I/32 O
Checks	RAM Checksum Processor RAM address
Power dissipation in W	4 W
Minimum pulse width distortion/ jitter	5 ns
Wavelength	820 nm
Power loss budget	11 dB 62.5/125 µm 16.5 dB 100/140 µm 6.5 dB 50/125 µm
Optical transmission	-16...-9 dBm 100/140 µm -19.8...-12.8 dBm 50/125 µm -3.5...110.5 dBm 62.5/125 µm
Rise/Fall time	20 ns
Dynamic range	20 dB
Detected silence	-36 dBm
Sensitivity scale	> 30 dBm
Bus current requirement	750 mA

Environment

Resistance to electrostatic discharge	4 kV contact conforming to IEC 801-2 8 kV on air conforming to IEC 801-2
Resistance to electromagnetic fields	10 V/m 80...2000 MHz conforming to IEC 801-3

Ambient air temperature for operation	0...60 °C
Ambient air temperature for storage	-40...85 °C
Relative humidity	95 % without condensation
Operating altitude	<= 5000 m
Protective treatment	Conformal coating Humiseal 1A33
Standards	UL 508
Product certifications	RINA RMRS DNV GOST GL CSA Class 1 Division 2 C-Tick

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	511.0 g
Unit Type of Package 2	S03
Number of Units in Package 2	7
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	3.577 kg

Offer Sustainability

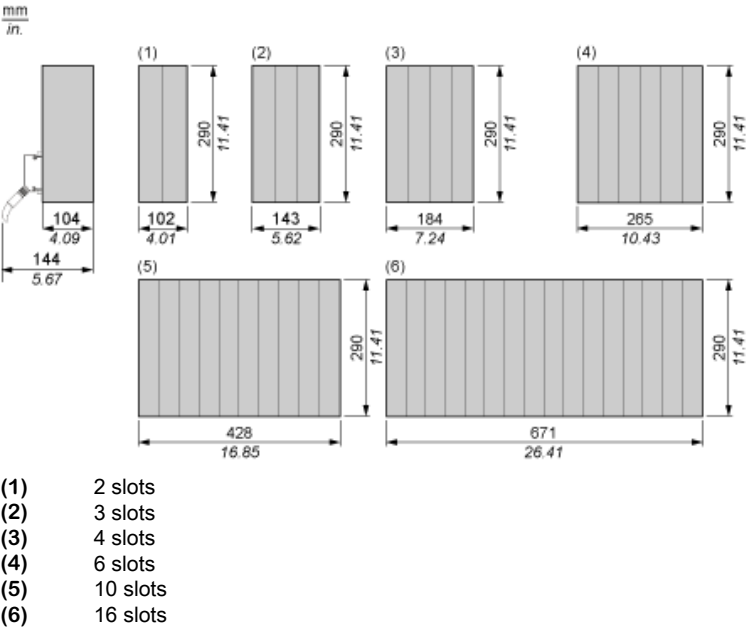
Sustainable offer status	Green Premium product
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental 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
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Racks for Modules Mounting

Dimensions of Modules and Racks



Recommended replacement(s)