

Product data sheet

Specifications



DIO head-end adaptor - Modicon Quantum - 1 Modbus Plus fiber optic single copper

140NOM25200

! Discontinued on: 31 December 2022

! To be end-of-service on: 31 December 2030

! To be discontinued

Product availability : Stock - Normally stocked in distribution facility

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 RAM address Processor Checksum
Power dissipation in W	4 W
Minimum pulse width distortion/ jitter	5 ns
Wavelength	0.000032284 in (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 IEC 801-2 8 kV on air IEC 801-2
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Resistance to electromagnetic fields	9.14 V/m (10 V/m) 80...2000 MHz IEC 801-3
Ambient Air Temperature for Operation	32...140 °F (0...60 °C)
Ambient Air Temperature for Storage	-40...185 °F (-40...85 °C)
Relative Humidity	95 % without condensation
Operating altitude	<= 16404.2 ft (5000 m)
Standards	UL 508
Product Certifications	CSA Class 1 Division 2 RINA GL RMRS C-tick GOST DNV

Ordering and shipping details

Category	18150-QUANTUM CONTROLLERS,HSBY,COMM.
Discount Schedule	PC21
GTIN	3595861135321
Returnability	No
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.97 in (5.0 cm)
Package 1 Width	6.50 in (16.5 cm)
Package 1 Length	12.20 in (31.0 cm)
Package 1 Weight	17.43 oz (494.0 g)
Unit Type of Package 2	S03
Number of Units in Package 2	7
Package 2 Height	11.81 in (30.0 cm)
Package 2 Width	11.81 in (30.0 cm)
Package 2 Length	15.75 in (40.0 cm)
Package 2 Weight	8.51 lb(US) (3.858 kg)

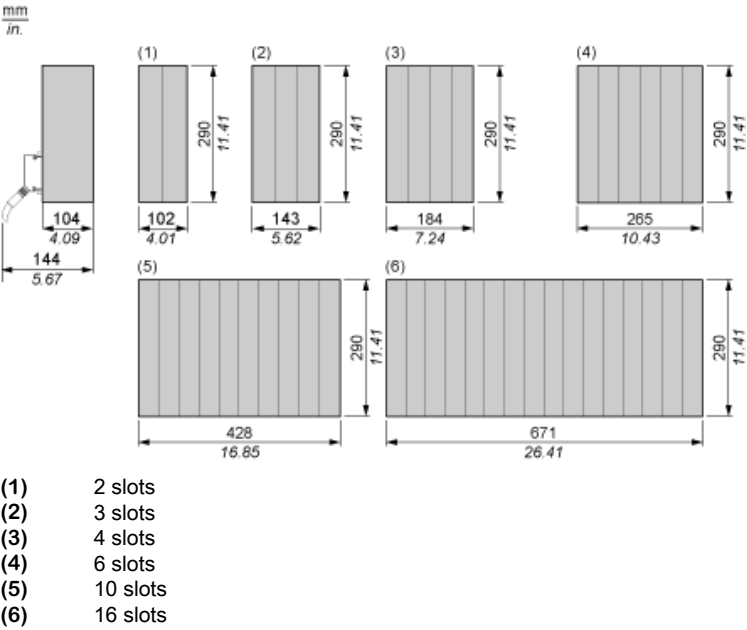
Offer Sustainability

Sustainable offer status	Green Premium product
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
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.
Contractual warranty	
Warranty	18 months

Racks for Modules Mounting

Dimensions of Modules and Racks



Recommended replacement(s)