

Product data sheet

Specifications



intrinsically safe discrete output module - open collector - 24 V - 5 W

140DIO33000C

⚠ Discontinued on: Jul 12, 2021

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Main

Range Of Product	Modicon Quantum automation platform
Product Or Component Type	Intrinsically safe discrete output module
Software Designation	Concept V2.2 and above ProWORX Unity Pro

Complementary

Product Destination	In conjunction with products for zone 20, 21 or 22
Discrete Output Voltage	24 V
Discrete Output Type	Open collector
Maximum Load Current	360 mA per module 45 mA per point
Off State Leakage Current	0.4 mA per point
Response Time	1 ms resistive at state 0 to state 1 1 ms resistive at state 1 to state 0
Protection Type	Internal fuse Transient voltage suppression
Hot Swapping Fallback	Not allowed per intrinsic safety standards
Power Dissipation In W	5 W
Isolation Between Channels And Bus	2500 V DC for 1 minute 1780 V 47...63 Hz AC
Marking	II1 G/D-EEEx ia IIC CE
Bus Current Requirement	2.2 A
Module Format	Standard
Net Weight	0.99 lb(US) (0.45 kg)

Environment

Protective Treatment	Conformal coating Humiseal 1A33
Standards	Directive ATEX 94/9/EC EN 50039 EN 50014 CSA C22.2 No 142 UL 508 EN 50020 EN 50284 EN 50281-1-1

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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

Dust Zone	Outside zone
Product Certifications	SIRA 02ATEX2345X FM Class 1 Division 2 C-tick GOST
Resistance To Electrostatic Discharge	4 kV contact IEC 801-2 8 kV on air IEC 801-2
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)

Ordering and shipping details

Category	18155-QUANTUM I/O & POWER SUPPLIES
Discount Schedule	PC21
Gtin	00785901486398
Returnability	No
Country Of Origin	US

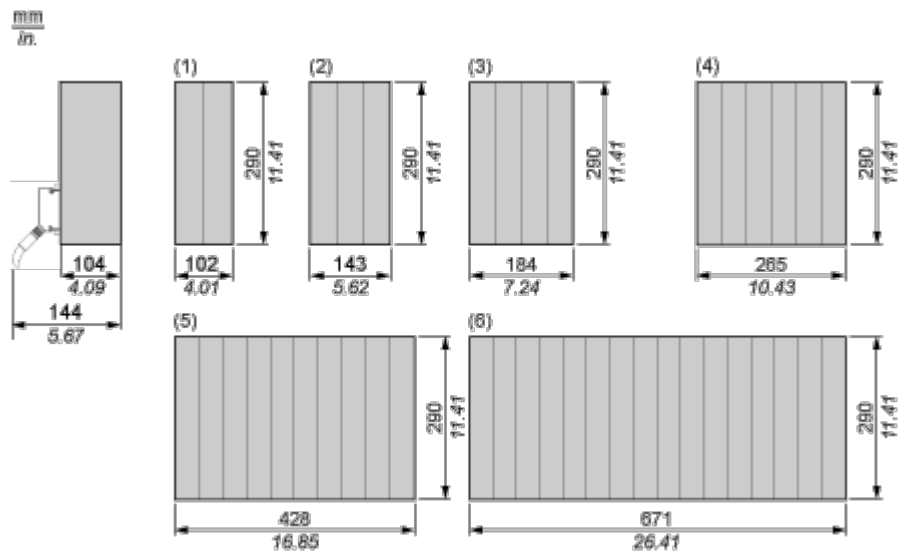
Contractual warranty

Warranty	18 months
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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

Connections and Schema

Intrinsically Safe Discrete Output Module

Cenelec Certified Wiring Diagram

