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Product data sheet

Characteristics

140DAO85300

discrete output module Modicon Quantum - 32 O - 20..253 V AC

Product availability: Stock - Normally stocked in distribution facility

Price*: 1934.00 USD



Main

Commercial Status	Commercialised
Range of product	Modicon Quantum automation platform
Product or component type	AC discrete output modules
Discrete output number	32

Complementary

Group of channels	4 groups of 8 channels
Supply frequency	47...63 Hz
Voltage drop	1.5 V
Discrete output voltage	20...253 V AC
Addressing requirement	2 output words
Absolute maximum output	400 Vrms 1 cycle AC 300 Vrms for 10 s AC
Minimum load	10 A
Maximum load current	4 A rms four contiguous output 4 A rms 20...132 V per output 3 A rms 170...253 V per output 2.5 mA rms 230 Vrms off state leakage per output 2 mA rms 115 Vrms off state leakage per output 16 A rms per module 1 mA rms 48 Vrms off state leakage per output 1 mA rms 24 Vrms off state leakage per output
Surge current	<= 8 A during 3 cycles per point <= 15 A during 2 cycles per point <= 12 A during 1 cycle per point
DV/Dt	400 V/ms
Response time	<= 0.5 ms at state 1 to state 0 <= 0.5 ms at state 0 to state 1
Protection type	Internal by RC filter Internal output protection by 4 A fuse
Power dissipation	1.60 + (1.0 V x total module load current)
Marking	CE
Local signalling	32 LEDs green input status 1 LED red external fault detected (F) 1 LED green bus communication is present (Active)
Bus current requirement	320 mA
Module format	Standard
Product weight	0.99 lb(US) (0.45 kg)

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Environment

Product certifications	CUL FM Class 1 Division 2
Standards	CSA C22.2 No 142 UL 508
Resistance to electrostatic discharge	8 kV on air conforming to IEC 801-2 4 kV contact conforming to IEC 801-2
Resistance to electromagnetic fields	9.14 V/yd (10 V/m) 80...1000 MHz conforming to 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	00785901328506
Nbr. of units in pkg.	1
Package weight(Lbs)	1.12
Product availability	Stock - Normally stocked in distribution facility
Returnability	Y
Country of origin	US

Contractual warranty

Period	18 months
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