

Product data sheet

Characteristics

140DDM69000

discrete I/O module Modicon Quantum - 4 I - 125 V DC - 4 O solid state



Product availability: Non-Stock - Not normally stocked in distribution facility

Price*: 1637.00 USD



Main

Commercial Status	Commercialised
Range of product	Modicon Quantum automation platform
Product or component type	Mixed discrete I/O module
Discrete I/O number	8

Complementary

Discrete input number	4 1 group of 8
Discrete input logic	Sink
Addressing requirement	1 input word 1 output word
Network frequency limits	47...63 Hz
Discrete input voltage	125 V DC
Input voltage limits	156.2 V including ripple
Voltage state 0 guaranteed	0...36 V
Voltage state1 guaranteed	88...156.2 V
Current state 0 guaranteed	<= 1.2 mA
Current state 1 guaranteed	>= 2 mA
Response time	0.5 or 1.5 ms depending on the filter at state 1 to state 0 0.5 or 1.5 ms depending on the filter at state 0 to state 1
Discrete output number	4 1 group of 4
Discrete output type	Solid state, isolated
Discrete output logic	Source or sink
Discrete output voltage	24...125 V
Output voltage limits	19.2...156.2 V DC typical
Maximum load current	<= 4 A per point <= 16 A per module
Voltage drop	0.75 V 4 A
Absolute maximum output	30 A during 500 ms per point
Load capacitance	<= 0.6 µF 24 V DC <= 0.1 µF 150 V DC
Leakage current	1.2 mA 150 V DC
Protection type	Internal output protection by 5 A fuse per group On input by resistor limited On output by transient voltage suppression

Associated fuse rating	5 A
Isolation between group of I/O channels	1780 Vrms for 1 minute
Isolation between group and bus	2500 Vrms for 1 minute
Isolation between channels	1780 Vrms for 1 minute
Fault indication	Overcurrent on output
Power dissipation	0.4 W + (1 x input point on) + (0.75 total output load current)
Local signalling	4 LEDs red fault detected on the input point 4 LEDs green output is turned on 2 LEDs red fault detected on the output point 1 LED red no voltage in output and input (F) 1 LED green bus communication is present (Active)
Marking	CE
Bus current requirement	350 mA
Product weight	0.66 lb(US) (0.3 kg)

Environment

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)
Standards	CSA C22.2 No 142 FM Class 1 Division 2 UL 508
Product certifications	CUL

Ordering and shipping details

Category	18155 - QUANTUM I/O & POWER SUPPLIES
Discount Schedule	PC21
GTIN	00785901320838
Nbr. of units in pkg.	1
Package weight(Lbs)	2.21
Product availability	Non-Stock - Not normally stocked in distribution facility
Returnability	N
Country of origin	CN

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS	Compliant - since 0901 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available Download Product Environmental Profile
Product end of life instructions	Need no specific recycling operations

Contractual warranty

Period	18 months
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