

Product data sheet

Characteristics

140DVO85300C

discrete output module Modicon Quantum - 32 O - 10..30 V DC

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

Price*: 3593.00 USD



Main

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

Complementary

Group of channels	4 groups of 8
Discrete output logic	Negative logic (sink)
Addressing requirement	2 input words 2 output words
Discrete output voltage	10..30 V DC
Absolute maximum output	50 V for 1 s decaying pulse
Voltage drop	0.4 V 0.5 A
Maximum load current	<= 4 A each group <= 16 A per module <= 0.5 A each point
Surge current	<= 2.5 A for 1 ms
Response time	1 ms at state 1 to state 0 1 ms at state 0 to state 1 <= 2 ms at state 1 to state 0 <= 2 ms at state 0 to state 1
Short-circuit protection	With
Output overvoltage protection	With
Load inductance	$\text{Inductance(H)} = 0.5 / ((\text{current(A)})^2 \times (\text{switching frequency(Hz)}))$ 0.5..4 Hz
Tungsten load	6 W 24 V 3 W 12 V 2.5 W 10 V
Fault indication	Blown fuse Incorrect output state Loss of field power
Protection type	Internal output protection by 5 A fuse per group
Power dissipation	2.5 W + (0.1 x all points on) + (0.4 x total 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	500 mA
Module format	Standard
Product weight	0.66 lb(US) (0.3 kg)

Environment

Protective treatment	Conformal coating Humiseal 1A33
Product certifications	C-Tick FM Class 1 Division 2 GOST RMRS
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...2000 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	00785901173090
Nbr. of units in pkg.	1
Package weight(Lbs)	1.03
Product availability	Non-Stock - Not normally stocked in distribution facility
Returnability	N
Country of origin	CN

Contractual warranty

Period	18 months
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