

Product Datasheet

Characteristic

140DDO35310

discrete output module Modicon
Quantum - 32 O - negative logic (sink)



Main

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 output words
discrete output voltage	24 V DC
output voltage limits	19.2...30 V
absolute maximum output	50 V 1 s decaying pulse
maximum voltage drop	<0.4 V 0.5 A
maximum load current	16 A per module 4 A per group
surge current	5 A 1 ms
response time	<= 1 ms at state 0 to state 1 <= 1 ms at state 1 to state 0
maximum leakage current	0.4 mA 30 V
load inductance	$Inductance(H) = 0.5/((current(A))^2 \times (switching\ frequency(Hz)))$
maximum tungsten load	<12 W 24 V
fault indication	Loss of field power Blown fuse
associated fuse rating	3 A each point 5 A per group
isolation between channels and bus	1780 Vrms DC for 1 minute
isolation between group	500 Vrms DC for 1 minute
protection type	Internal output protection by 5 A fuse per group
power dissipation	2.0 W + (0.4 V x total load current)
marking	CE
local signalling	Bus communication is present (Active) 1 LED green) External fault detected (F) 1 LED red) Input status 32 LEDs green)

bus current requirement	330 mA
module format	Standard
Net Weight	0.99 lb(US) (0.45 kg)

Environment

product certifications	FM Class 1 Division 2 RINA GOST C-tick RMRS
standards	UL 508 CSA C22.2 No 142
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)

Offer Sustainability

Sustainable offer status	Green Premium product
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	X
Environmental Disclosure	ENVPEP071201EN
Circularity Profile	ENVEOLI0712001EN
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.