

Product Datasheet

Characteristic

140DDO35301

discrete output module Modicon
Quantum - 32 O - positive logic (source)



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	Positive logic (source)
addressing requirement	2 output words
discrete output voltage	24 V DC
output voltage limits	19.2...30 V
absolute maximum output	50 V for 1 s decaying pulse
voltage drop	0.4 V 0.5 A
maximum load current	16 A per module 4 A per group
surge current	<= 2 A <= 2 A
response time	<= 0.1 ms at state 1 to state 0 <= 1 ms at state 0 to state 1
leakage current	<= 1 mA 24 V
load inductance	Inductance(H) = 0.5/((current(A)) ² x (switching frequency(Hz))) Inductance(H) = 0.5/((current(A)) ² x (switching frequency(Hz)))
fault indication	Blown fuse Loss of field power
associated fuse rating	3 A each point 3 A each point 5 A per group 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	5 W
marking	CE
local signalling	1 LED green bus communication is present (Active)

	1 LED red external fault detected (F) 32 LEDs green input status
bus current requirement	<= 330 mA <= 330 mA
module format	Standard
product weight	0.99 lb(US) (0.45 kg)

Environment

product certifications	C-Tick FM Class 1 Division 2 GOST RMRS
standards	CSA C22.2 No 142 UL 508
resistance to electrostatic discharge	4 kV contact conforming to IEC 801-2 8 kV on air 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)

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0850 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available