

Product Datasheet

Characteristic

140AV002000C

analog output module Modicon Quantum - 4 O



Main

range of product	Modicon Quantum automation platform
product or component type	analogue output module

Complementary

analogue output number	4
addressing requirement	4 output words
analogue output range	+/- 10 V >= 1000 Ohm bipolar voltage +/- 5 V >= 500 Ohm bipolar voltage 0...10 V >= 1000 Ohm unipolar voltage 0...5 V >= 500 Ohm unipolar voltage
analogue output resolution	12 bits
analogue output current	-10...10 mA
source resistance	0.1 Ohm
cable length	<= 1312.34 ft (400 m)
absolute accuracy error	+/- 0.15 % of full scale at 77 °F (25 °C)
linearity	+/- 1 LSB
accuracy drift according to temperature	0.003 % of full scale/°C unipolar 0.004 % of full scale/°C bipolar 0.005 % of full scale/°C maximum unipolar 0.007 % of full scale/°C maximum bipolar
isolation between channels	500 V for 1 minute 47...63 Hz AC
isolation between channels and bus	780 V for 1 minute AC
update time	3 ms
setting time	700 µs to +/- 0.1 % of the final value maximum
bus current requirement	700 mA
power dissipation in W	<= 4.5 W
associated fuse rating	0.063 mA 3 AG fast blow 250 V
marking	CE
local signalling	1 LED green bus communication is present (Active) 1 LED red external fault 4 LEDs green channel is turned on 4 LEDs red channel fault
module format	standard
product weight	0.66 lb(US) (0.3 kg)

Environment

protective treatment	conformal coating Humiseal 1A33
product certifications	cUL FM Class 1 Division 2
standards	CSA C22.2 No 142 UL 508
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 1012 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available

Contractual warranty

Warranty period	18 months
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