Product datasheet
Characteristics

140DAO84000

discrete output module Modicon Quantum - 16 O - 20..253 V AC

Green Premium Product

Main

Range of product	Modicon Quantum automation platform
Product or component type	AC discrete output modules
Discrete output number	16

Complementary

Discrete output type	Isolated
Group of channels	16 groups of 1 channel
Supply frequency	47...63 Hz
Voltage drop	1.5 V
Discrete output voltage	20...253 V AC
Addressing requirement	1 output word
Absolute maximum output	300 Vrms for 10 s AC 400 Vrms 1 cycle AC
Minimum load	5 A
Maximum load current	1 mA rms 24 Vrms off state leakage per output 1 mA rms 48 Vrms off state leakage per output 16 A rms per module 2 mA rms 115 Vrms off state leakage per output 2.5 mA rms 230 Vrms off state leakage per output 4 A rms four contiguous output 3 A rms 200...230 V per output 4 A rms 24...115 V per output
Surge current	<= 10 A during 3 cycles per point <= 20 A during 2 cycles per point <= 30 A during 1 cycle per point
DV/dt	400 V/ms
Response time	<= 0.5 ms at state 0 to state 1 <= 0.5 ms at state 1 to state 0
Protection type	Internal by RC filter
Power dissipation	1.85 + (1.1 V x total module load current)
Associated fuse rating	5 A
Marking	CE
Local signalling	1 LED green bus communication is present (Active) 1 LED red external fault detected (F) 16 LEDs green input status
Bus current requirement	350 mA
Module format	Standard
Product weight	0.485 kg

Environment

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

Schneider Electric

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	10 V/m 80...1000 MHz conforming to IEC 801-3
Ambient air temperature for operation	0...60 °C
Ambient air temperature for storage	-40...85 °C
Relative humidity	95 % without condensation
Operating altitude	<= 5000 m

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS	Compliant - since 0936 - Schneider Electric declaration of conformity
Product environmental profile	Available
Product end of life instructions	Need no specific recycling operations