



## Main

Range of product	Modicon Quantum automation platform
Product or component type	AC discrete output modules
Discrete output number	32

## Complementary

Group of channels	4 groups of 8 channels
Supply frequency	47...63 Hz
Voltage drop	1.5 V
Discrete output voltage	20...253 V AC
Addressing requirement	2 output words
Absolute maximum output	300 Vrms for 10 s AC 400 Vrms 1 cycle AC
Minimum load	10 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 3 A rms 170...253 V per output 4 A rms 20...132 V per output 4 A rms four contiguous output
Surge current	<= 12 A during 1 cycle per point <= 15 A during 2 cycles per point <= 8 A during 3 cycles 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 Internal output protection by 4 A fuse
Power dissipation	1.60 + (1.0 V x total module load current)
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	320 mA
Module format	Standard
Product weight	0.45 kg

## Environment

Product certifications	CUL FM Class 1 Division 2
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	10 V/m 80...1000 MHz conforming to IEC 801-3

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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

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