



Main

Range of product	Modicon Quantum automation platform
Product or component type	AC discrete output modules
Discrete output number	16
Group of channels	4 groups of 4 channels
Discrete output voltage	83...253 V AC

Complementary

Supply frequency	47...63 Hz
Voltage drop	1,5 V
Addressing requirement	1 output word
Absolute maximum output	300 Vrms 10 s AC 400 Vrms 1 cycle AC
Minimum load	5 A
Maximum load current	1 mA rms off state leakage per output 2.5 mA rms 230 Vrms off state leakage per output 2 mA rms 115 Vrms off state leakage per output 3 A rms 170...253 V per output 4 A rms 85...132 V per output 4 A rms per group 16 A rms per module
Surge current	≤ 10 A during 3 cycles per point ≤ 20 A during 2 cycles per point ≤ 25 A during 3 cycles per group ≤ 30 A during 1 cycle per point ≤ 30 A during 2 cycles per group ≤ 45 A during 1 cycle per group
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
Fault indication	Blown fuse Loss of field power
Protection type	Internal by RC filter Internal output protection by 5 A fuse
Power dissipation	1.85 + (1.1 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) 16 LEDs green input status
Bus current requirement	350 mA
Module format	Standard
Product weight	0,45 kg

Environment

Product certifications	FM Class 1 Division 2 CUL
Standards	CSA 22-2 No 142 UL 508
Resistance to electrostatic discharge	4 kV contact IEC 801-2 8 kV on air IEC 801-2
Resistance to electromagnetic fields	10 V/m 80...1000 MHz 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
RoHS EUR conformity date	3Q2009
RoHS EUR status	Will be compliant