



### Main

Range of product	Modicon Quantum automation platform
Product or component type	AC discrete output modules
Discrete output number	32
Group of channels	4 groups of 8 channels
Discrete output voltage	20...253 V AC

### Complementary

Supply frequency	47...63 Hz
Voltage drop	1,5 V
Addressing requirement	2 output words
Absolute maximum output	300 Vrms 10 s AC 400 Vrms 1 cycle AC
Minimum load	10 A
Maximum load current	1 mA rms 48 Vrms off state leakage per output 1 mA rms 24 Vrms 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 20...132 V per output 4 A rms four contiguous output 16 A rms per module
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	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	2Q2009
RoHS EUR status	Will be compliant