



### Main

Range of product	Modicon Quantum automation platform
Product or component type	Dc discrete output module
Discrete output number	32
Group of channels	4 groups of 8
Discrete output logic	Negative logic (sink)
Discrete output voltage	24 V DC

### Complementary

Addressing requirement	2 output words
Output voltage limits	19.2...30 V
Absolute maximum output	56 V 1,3 s decaying pulse
Voltage drop	0,4 V 0,5 A
Maximum load current	4 A per group 16 A per module
Surge current	≤ 5 A 0,0005 s
Response time	<= 1 ms at state 0 to state 1 <= 1 ms at state 1 to state 0
Leakage current	0,4 mA 30 V
Load inductance	Inductance(H) = 0.5/((current(A)) <sup>2</sup> x (switching frequency(Hz))) 50 Hz
Fault indication	Blown fuse Loss of field power
Associated fuse rating	3 A each point 5 A per group
Isolation between channels and bus	1780 Vrms for 1 minute
Isolation between group	500 Vrms for 1 minute
Protection type	Internal output protection by 5 A fuse per group
Power dissipation	1.75 W + (0.4 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	330 mA
Module format	Standard
Product weight	0,45 kg

## Environment

Product certifications	ABS BV C-Tick DNV (Det Norske Veritas) FM Class 1 Division 2 GL GOST RINA RMRS Safety certification non interfering
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...2000 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	0848
RoHS EUR status	Compliant