



### 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	Positive logic (source)
Discrete output voltage	24 V DC

### Complementary

Addressing requirement	2 output words
Output voltage limits	19.2...30 V
Absolute maximum output	50 V 1 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 1 ms
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	$Inductance(H) = 0.5 / ((current(A))^2 \times (switching\ frequency(Hz)))$
Tungsten load	12 W 24 V
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	2.0 W + (0.4 V x total 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	C-Tick FM Class 1 Division 2 GOST RINA RMRS
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	4Q2009
RoHS EUR status	Will be compliant