



Main

Range of product	Modicon Quantum automation platform
Product or component type	Dc discrete output module
Discrete output number	16

Complementary

Group of channels	2 groups of 8
Discrete output logic	Negative logic (sink)
Addressing requirement	1 output word
Discrete output voltage	10...60 V DC
Output voltage limits	10.2...72 V
Absolute maximum output	72 V permanent
Voltage drop	<= 1 V 2 A
Maximum load current	12 A per module 6 A per group
Surge current	<= 7.5 A for 50 s
Response time	<= 1 ms at state 0 to state 1 <= 1 ms at state 1 to state 0
Leakage current	<= 1 mA 60 V
Load inductance	$Inductance(H) = 0.5 / ((current(A))^2 \times (switching\ frequency(Hz)))$
Associated fuse rating	2 A each point 8 A per group
Isolation between channels and bus	2500 Vrms DC for 1 minute
Isolation between group	700 Vrms DC for 1 minute
Protection type	Internal output protection by 8 A fuse per group
Power dissipation	1 W + (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	160 mA
Module format	Standard
Product weight	0.45 kg

Environment

Product certifications	C-Tick FM Class 1 Division 2 GOST RMRS
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...2000 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

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS	Compliant - since 0901 - Schneider Electric declaration of conformity
Product environmental profile	Available
Product end of life instructions	Need no specific recycling operations