



Main

Range of product	Modicon Quantum automation platform
Product or component type	Low voltage dc discrete input modules
Discrete input number	96
Group of channels	6
Logic input	Positive (sink)
Discrete input voltage	24 V DC
Local signalling	1 LED green bus communication is present (Active) 1 LED red external fault detected (F) 96 LEDs green input status
Module format	Standard

Complementary

Input voltage limits	19.2...30 V
Voltage state 1 guaranteed	15...30 V DC
Voltage state 0 guaranteed	5 V DC
Current state 1 guaranteed	≥ 2,5 mA
Current state 0 guaranteed	≥ 0,7 mA
Addressing requirement	6 words
Input impedance	6700 Ohm
Absolute maximum input	30 V continuous 50 V decaying pulse
Response time	≤ 2 ms from state 0 to state 1 ≤ 3 ms from state 1 to state 0
Power dissipation	1.35 W + (0.13 x number of points on)
Isolation between group	500 Vrms for 1 minute
Marking	CE
Bus current requirement	< 270 mA
Product weight	0,3 kg

Environment

Standards	CSA 22-2 No 142 UL 508
Product certifications	C-Tick FM Class 1 Division 2
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

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