



### Main

Range of product	Modicon Quantum automation platform
Product or component type	TTL discrete output module
Discrete output number	32

### Complementary

Group of channels	4 groups of 8 channels
Discrete output type	TTL Positive (sink)
Addressing requirement	2 output words
Discrete output voltage	5 V DC
Voltage state 1 guaranteed	$\leq 0.2$ V
[Us] rated supply voltage	4...5.5 V DC
Absolute maximum output	15 V for 0.0013 s decaying voltage pulse DC
Internal pullup resistor	440 Ohm
Maximum load current	$\leq 2.4$ A per module $\leq 600$ mA each group $\leq 75$ mA each point
Surge current	750 A 0.5 ms between each point
Response time	$\leq 250$ $\mu$ s at state 0 to state 1 resistive $\leq 250$ $\mu$ s at state 1 to state 0 resistive
Protection type	Output protection by transient voltage suppression Internal by fuse
Fault indication	Loss of field power Blown fuse
Power dissipation	4 W
Supply current	0.4 A
Isolation between group	500 Vrms for 1 minute
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	350 mA
Current consumption	2800 mA 5 V DC
Module format	Standard

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Product weight	0.45 kg
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## Environment

Protective treatment	Conformal coating Humiseal 1A33
Product certifications	GOST RMRS FM Class 1 Division 2 C-Tick
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
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

## Contractual warranty

Warranty period	18 months
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Racks for Modules Mounting

Dimensions of Modules and Racks



- (1) 2 slots
- (2) 3 slots
- (3) 4 slots
- (4) 6 slots
- (5) 10 slots
- (6) 16 slots

5 Vdc Discrete Output Sink Module

Wiring Diagram

