

Product data sheet

Characteristics

140DDO88500

discrete output module Modicon Quantum - 12 O - 24..125 V DC



Main

Range of product	Modicon Quantum automation platform
Product or component type	Dc discrete output module
Discrete output number	12

Complementary

Group of channels	2 groups of 6
Discrete output logic	Negative logic (sink)
Addressing requirement	1 input word 1 output word
Discrete output voltage	24...125 V DC
Output voltage limits	19.2...156.2 V
Maximum load current	<= 6 A at 0...60 °C per module <= 3 A at 0...60 °C each group <= 0.75 A at < 40 °C each point
Surge current	<= 4 A for 1 ms
Response time	1 ms at state 1 to state 0 1 ms at state 0 to state 1
Short-circuit protection	With
Output overvoltage protection	By varistor per group
Load inductance	No limit (protected by diode)
Tungsten load	8 W 24 V 46 W 130 V 41 W 115 V
Switching frequency	<= 50 Hz
Fault indication	Overcurrent
Isolation between channels and bus	2500 Vrms DC for 1 minute
Isolation between group	1200 Vrms DC for 1 minute
Protection type	Internal output protection by 4 A fuse
Power dissipation	1 W + (0.77 x all points on)
Marking	CE
Local signalling	16 LEDs green input status 1 LED red external fault detected (F) 1 LED green bus communication is present (Active)
Bus current requirement	650 mA 12 outputs at state 1 375 mA 6 outputs at state 1
Module format	Standard
Product weight	0.45 kg

Environment

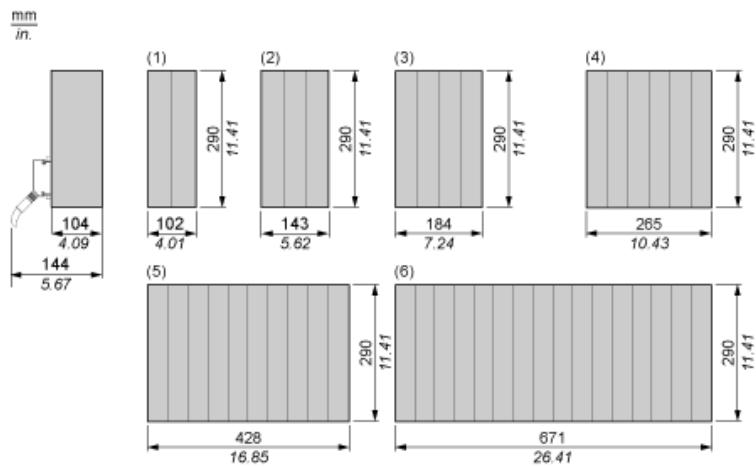
Product certifications	C-Tick FM Class 1 Division 2 GOST RMRS
Standards	CSA C22.2 No 142 UL 508
Resistance to electrostatic discharge	8 kV on air conforming to IEC 801-2 4 kV contact conforming to IEC 801-2
Resistance to electromagnetic fields	10 V/m 80...2000 MHz conforming to IEC 801-3
Ambient air temperature for operation	0...60 °C
Ambient air temperature for storage	-40...85 °C
Relative humidity	95 % without condensation
Operating altitude	<= 5000 m

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0834 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available Download Product Environmental
Product end of life instructions	Need no specific recycling operations

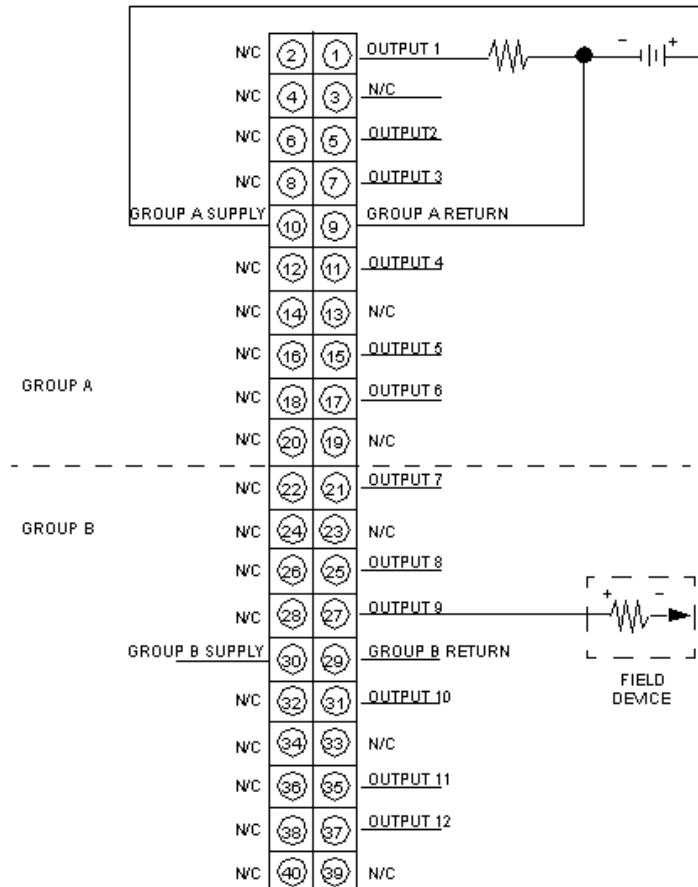
Racks for Modules Mounting

Dimensions of Modules and Racks



24...125 Vdc Discrete Output Source Module

Wiring Diagram



N/C Not Connected