

Main

Range of product	Modicon Quantum automation platform
Product or component type	Relay discrete output module
Discrete output number	8
Contacts type and composition	1 NO/NC
Contact form	Form C

Complementary

Discrete output voltage	5...30 V DC 20...250 V AC 30...150 V DC
Addressing requirement	0.5 output word
Maximum load current	2 A 250/30 V AC/DC tungsten 1/4 hp 0,4 3 A 250/30 V AC/DC 5 A 250/30 V AC/DC resistive 60 °C 100 mA 30...50 V DC L/R = 10 ms 300 mA 30...50 V DC resistive
Surge current	≤ 20 A 10 ms capacitive
Switching frequency	30 Hz resistive F = 0.5/l ² L inductive
Switching capacity in VA	1250 VA resistive
Response time on input opening	≤ 10 ms at state 0 to state 1 ≤ 20 ms at state 1 to state 0
Mechanical durability	10000000 cycles
Electrical durability	50000 cycles 500 mA 30...150 V DC resistive 100000 cycles 5 A 30 V DC resistive 100000 cycles 300 mA 30...150 V DC resistive 100000 cycles 100 mA 30...150 V DC L/R = 10 ms 100000 cycles 30...150 V DC interposing relay 200000 cycles 5 A 250 V AC resistive
Output overvoltage protection	Internal by varistor, 275 V
Isolation between channels	1780 Vrms AC for 1 minute 2500 V DC
Isolation between channels and bus	1780 Vrms AC for 1 minute 2500 V DC for 1 minute
Power dissipation	2.75 W + (0.5 x the number of points on)
Marking	CE
Local signalling	1 LED green bus communication is present (Active) 1 LED red external fault detected (F) 8 LEDs green input status
Bus current requirement	560 mA
Module format	Standard
Product weight	0,3 kg

Environment

Protective treatment	Conformal coating Humiseal 1A33
Product certifications	ABS C-Tick DNV (Det Norske Veritas) FM Class 1 Division 2 GL 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