



Main

Range of product	Modicon Quantum automation platform
Product or component type	Safety dc discrete output module

Complementary

Discrete output number	16
Group of channels	1
Discrete output logic	Positive logic (source)
Addressing requirement	4 output words 7 input words
Discrete output voltage	19.2...30 V DC
Absolute maximum output	34 V
Voltage drop	≤ 0.3 V 0.5 A
Sensor power supply	19.2...30 V
Maximum load current	≤ 10.04 A each group ≤ 0.65 A each point
Surge current	2 A for 10 ms
Response time	≤ 20 ms at state 1 to state 0 ≤ 20 ms at state 0 to state 1
Leakage current	0.5 mA 30 V
Protection type	With
Load inductance	0.5 8 Hz $\text{Inductance(H)} = 0.5 / ((\text{current(A)})^2 \times (\text{switching frequency(Hz)}))$
Fault indication	Channel fault Overload Power supply fault System fault
Associated fuse rating	10 A
Isolation between channels and bus	1500 Vrms for 1 minute
Isolation between group and bus	1500 Vrms for 1 minute
Power dissipation	$1.9 \text{ W} + 0.65 \text{ I}^2$
Marking	CE
Local signalling	16 LEDs red system failure, diagnostic of internal channel fault 16 LEDs green output status 1 LED red external fault detected (F) 1 LED green bus communication is present (Active)
Bus current requirement	350 mA

Environment

Product certifications	CSA CSA HazLoc C-Tick TÜV Rheinland (SIL2) UL
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Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0749 - 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

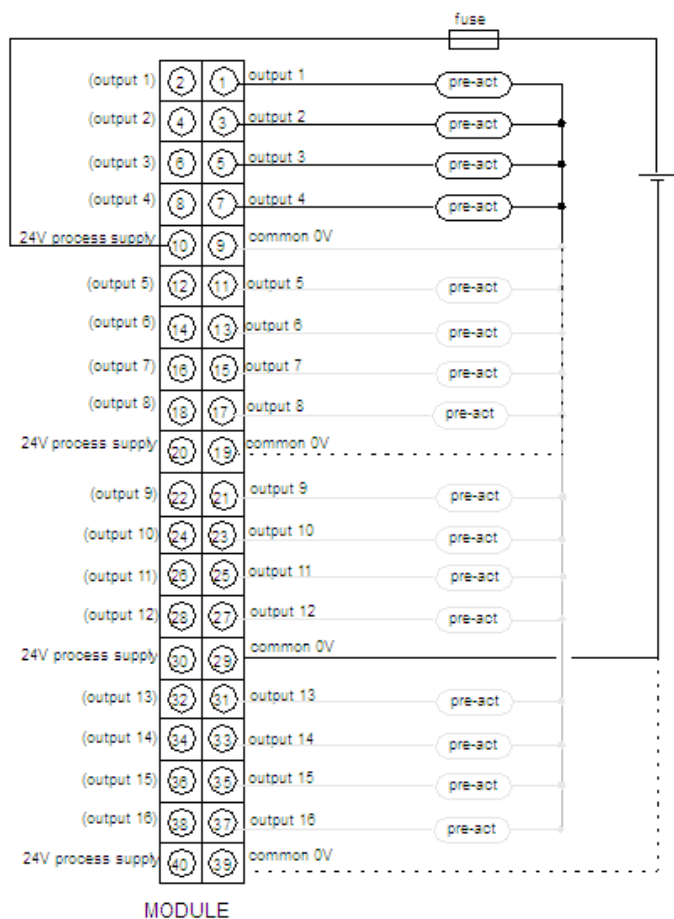
Dimensions of Modules and Racks



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

24 Vdc/0.5 A Source Overload Detection 16-Channel Digital Output Module

Wiring Diagram



fuse: 10 A max (determined by the module load current), fast blow

pre- pre-actuator

act:

NOTE: There is only one group of 16 outputs. All common 24 V are internally connected and all common 0V are also internally connected. The two pins of a same input (e. g. pin 1 and 2 for input 1) are internally connected too so that you can use either the right pin or the left one.