



## 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	$\leq 0.3$ V 0.5 A
Sensor power supply	19.2...30 V
Maximum load current	$\leq 0.65$ A each point $\leq 10.04$ A each group
Surge current	2 A for 10 ms
Response time	$\leq 20$ ms at state 0 to state 1 $\leq 20$ ms at state 1 to state 0
Leakage current	0.5 mA 30 V
Protection type	With
Load inductance	$\text{Inductance(H)} = 0.5 / ((\text{current(A)})^2 \times (\text{switching frequency(Hz)}))$ 0.5 8 Hz
Fault indication	System fault Overload Channel fault Power supply 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

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.

Power dissipation	1.9 W + 0.65 I <sup>2</sup>
Marking	CE
Local signalling	1 LED green bus communication is present (Active) 1 LED red external fault detected (F) 16 LEDs green output status 16 LEDs red system failure, diagnostic of internal channel fault
Bus current requirement	350 mA

## Environment

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

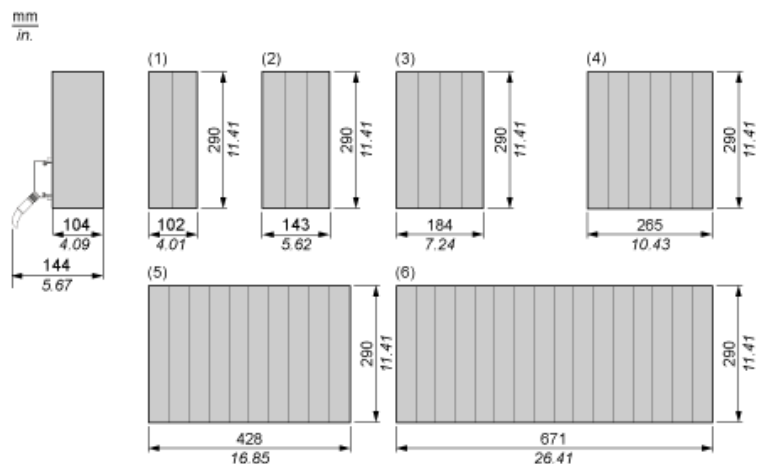
Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0749 - Schneider Electric declaration of conformity <a href="#">Schneider Electric declaration of conformity</a>
REACH	Reference not containing SVHC above the threshold <a href="#">Reference not containing SVHC above the threshold</a>
Product environmental profile	Available <a href="#">End of life manual</a>
Product end of life instructions	Available

## Contractual warranty

Warranty period	18 months
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Racks for Modules Mounting

Dimensions of Modules and Racks

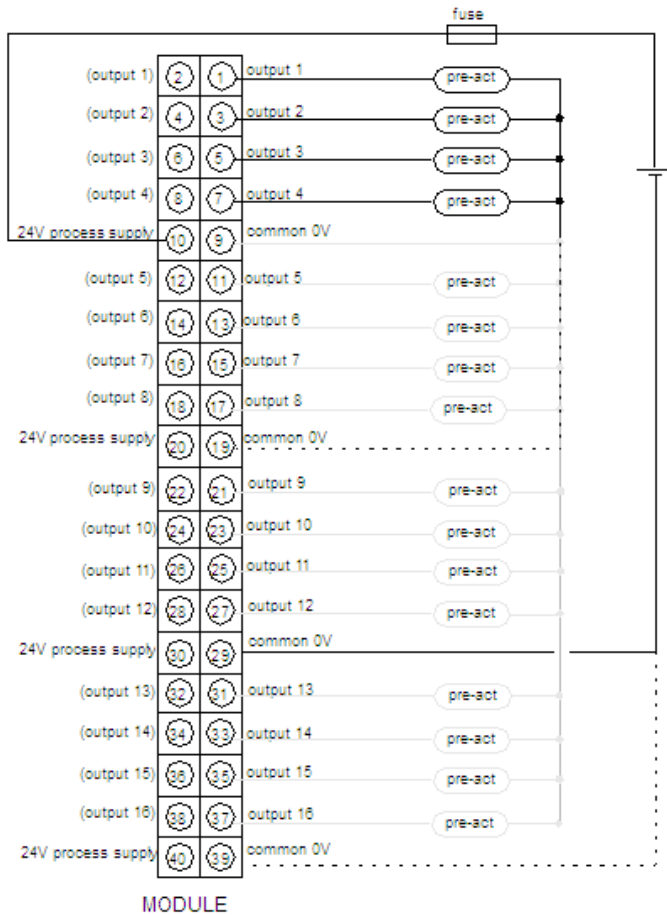


- (1) 2 slots
- (2) 3 slots
- (3) 4 slots
- (4) 6 slots
- (5) 10 slots
- (6) 16 slots

140SDO95300S

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-act: pre-actuator

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.