Product data sheet

Specifications

Green Premium™

safety dc discrete output module - 16 outputs - 19.2..30 V DC

140SDO95300S

⚠ Discontinued on: 31 December 2021

⚠ To be end-of-service on: 31 December 2029

⚠ **Discontinued - Service only**

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
Maximum voltage drop	<0.3 V 0.5 A
Sensor power supply	19.2…30 V
Maximum load current	<= 0.65 A each point <= 10.04 A each group
Surge current	2 A for 10 ms
Response time	<= 20 ms at state 0 to state 1 <= 20 ms at state 1 to state 0
Maximum leakage current	0.5 mA 30 V
Protection type	With
Load inductance	Inductance(H) = 0.5/((current(A))² x (switching frequency(Hz))) 0.5 8 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 W + 0.65 I²
Marking	CE

Local signalling	1 LED (green) for bus communication is present (Active)
	1 LED (red) for external fault detected (F)
	16 LEDs (green) for output status
	16 LEDs (red) for system failure, diagnostic of internal channel fault

Bus current requirement	350 mA

Environment

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

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.7 cm
Package 1 Width	16.3 cm
Package 1 Length	31.3 cm
Package 1 Weight	500.0 g
Unit Type of Package 2	S03
Number of Units in Package 2	7
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	3.88 kg

Offer Sustainability

| Sustainable offer status	Green Premium product
REACh free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
	EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Contractual warranty

Warranty	18 months

Racks for Modules Mounting

Dimensions of Modules and Racks
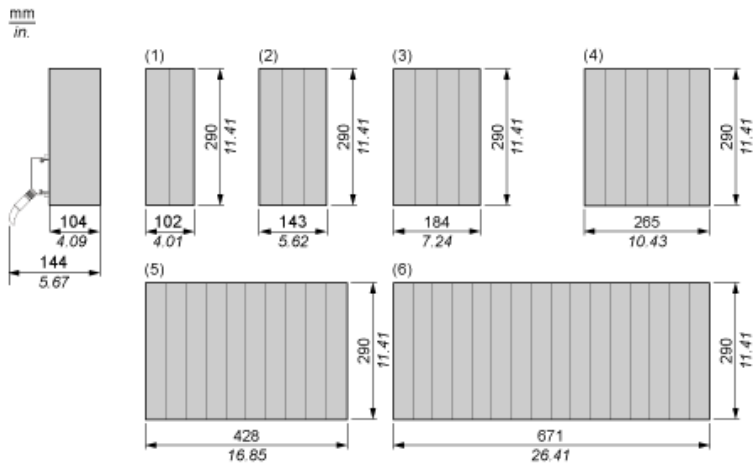
(1)	2 slots
(2)	3 slots
(3)	4 slots
(4)	6 slots
(5)	10 slots
(6)	16 slots

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

Wiring Diagram
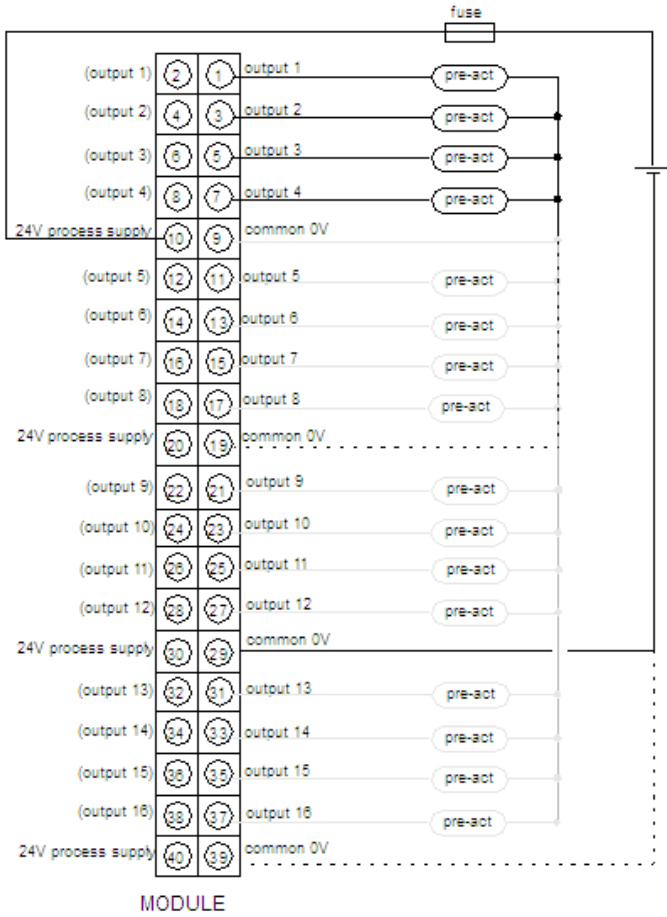
fuse: 10 A max (determined by the module load current), fast blow
pre-act: pre-actuator

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.

Recommended replacement(s)

140SDO95300S is replaced by the following product range:

Modicon X80 modules

The common modules for Modicon M580 and M340 PACs

Products: 215

Or 140SDO95300S is replaced by:

1x

discrete output module - 8 outputs - solid state - 24 V DC positive - Safety
BMXSDO0802

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