Product data sheet

Specifications



Discrete Output Module + Base, 4 Isolated Out, 2A, 100V to 240V AC, 1/2/3 Wires, Modicon Edge I/O NTS

NTSDAO0415K

Product availability: Stock - Normally stocked in distribution facility

Main

Range of Product	Modicon Edge I/O NTS
Product or Component Type	Discrete output module kit
Kit composition	NTSDAO0415 module NTSXBA0100H base
Mandatory accessory	NTSXTB12_1_H terminal block
Product Compatibility	NTSN.....
Range Compatibility	Logic/motion controller - Modicon M262 Modicon M580 Third party
Device Application	Industrial Application
Discrete output number	4
Group of output channels	4 groups of 1 channels
Discrete output voltage	80...264 V AC
Operating Mode	Asynchronous

Complementary

Discrete output number	4 triac
Output wiring mode	1, 2 or 3 wires
Discrete output current	2 A per channel
Discrete output frequency	47...63 Hz
Response time on output	0.5 ms turn-on 0.5 ms turn-off
Maximum leakage current	2.5 mA 240 V AC 2 mA 120 V AC
Maximum voltage drop	<1.55 V AC
Paralleling of outputs	Yes for logic links Yes for redundant control of load
Output protection type	RC snubber suppression per channel
Power supply type	Bus power from power supply bus (24 Vdc) Field power from external power supply (100...240 Vac)
Rated operational voltage limits	85...264 V AC 47...63 Hz
Typical current consumption	37.2 mA 24 V DC on the Bus current 0 mA 24 V DC on the internal field current
Electrical Connection	Screw/spring terminal block
Power dissipation in W	7.52 W maximum at 24 V DC

Price is “List Price” and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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

Isolation between channels	2500 V AC
Isolation between channels and bus	3000 V AC
Isolation between channels and ground	3000 V AC
Hot swapping fallback	Yes
Local signalling	1 LED (green) for module operating (RUN) 1 LED per channel (green) for channel diagnostic 1 LED (red) for module error (ERR)
Housing Colour	Grey
Mounting support	Top hat type TH35-7.5 rail IEC 60715 Top hat type TH35-15 rail IEC 60715
Height	3.9 in (100 mm)
Width	1.2 in (30 mm)
Depth	3.1 in (80 mm)
Product Weight	0.276 lb(US) (0.125 kg)

Environment

IP Degree of Protection	IP20
Marking	CE UKCA CULus RCM
Product certifications	CE UKCA CULus RCM Merchant Navy - EU RO MR (pending) EAC (pending) ATEX Zone 2 (pending) IECEx zone 2 (pending) CCC Ex zone 2 (pending)
Standards	EN/IEC 61131-2 EN 61010-2-201 UL 61010-2-201 IACS E10 EN/IEC 61000-6-5, interface type 1 and type 2 EN/IEC 61850-3, location G EN/IEC 60079-0 EN 50155 EN 50121-4 EN 50121-5
Directives	2014/30/EU - electromagnetic compatibility 2014/34/EU - ATEX directive 2014/35/EU
Ambient air temperature for operation	-4…140 °F (-20…60 °C)
Ambient air temperature for storage	-40…185 °F (-40…85 °C)
Relative humidity	5…95 % without condensation
Operating altitude	0...6561.68 ft (0...2000 m) without derating 2000...5000 m with derating
Pollution degree	2
Environmental characteristic	Gas resistant C3 and G2
Vibration resistance	1 g without accessory 2 g with accessory
Shock resistance	15 g 11 ms with and without accessory)

Ordering and shipping details

Category	US1PC3318214
Discount Schedule	PC33
GTIN	3606486877562
Returnability	Yes
Country of origin	ID

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	1.575 in (4.000 cm)
Package 1 Width	3.346 in (8.500 cm)
Package 1 Length	4.724 in (12.000 cm)
Package weight(Lbs)	5.644 oz (160.000 g)
Unit Type of Package 2	S01
Number of Units in Package 2	12
Package 2 Height	5.906 in (15.000 cm)
Package 2 Width	5.906 in (15.000 cm)
Package 2 Length	15.748 in (40.000 cm)
Package 2 Weight	4.872 lb(US) (2.210 kg)

Contractual warranty

Warranty (in months)	18

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

Environmental footprint

Total lifecycle Carbon footprint	**35 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**15 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**0.2 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**0 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**19 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**0.3 kg CO2 eq.**
Environmental Disclosure	**Product Environmental Profile**

Use Better

Materials and Substances

Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**Yes**
SCIP Number	**36da5072-249a-4bb2-ac87-86507dce031e**
EU RoHS Directive	**Compliant By Exemption**
REACh Regulation	**Reference contains Substances of Very High Concern above the threshold**

Use Longer

Lifetime extension

Repair	**No**

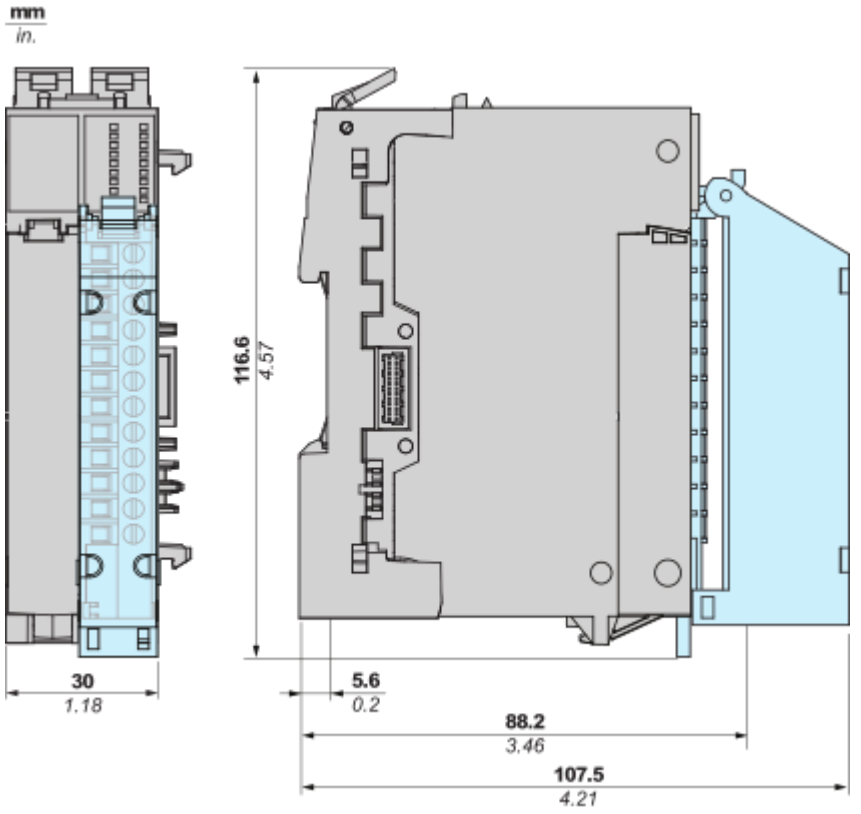
Use Again

Repack and remanufacture

Recyclability potential, in %	**0**
Circularity Profile	**End of Life Information**
Take-back	**No**

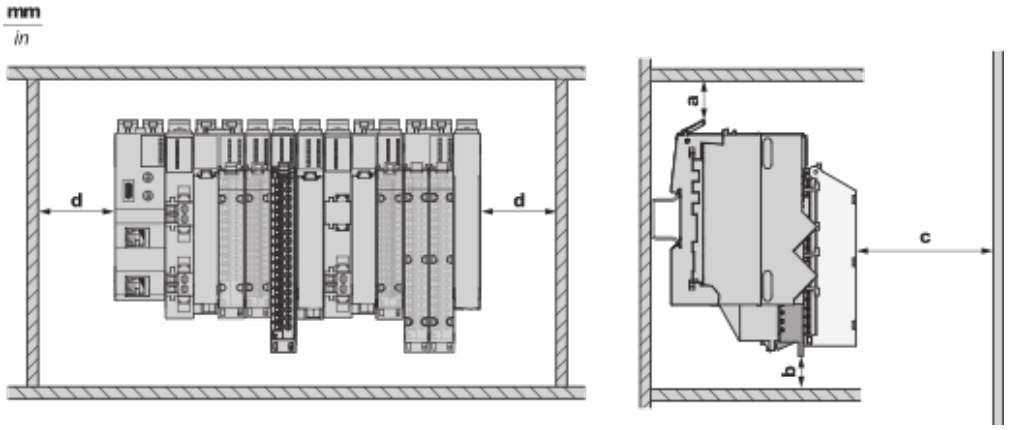
Dimensions Drawings

Dimensions



Mounting and Clearance

Minimum clearances

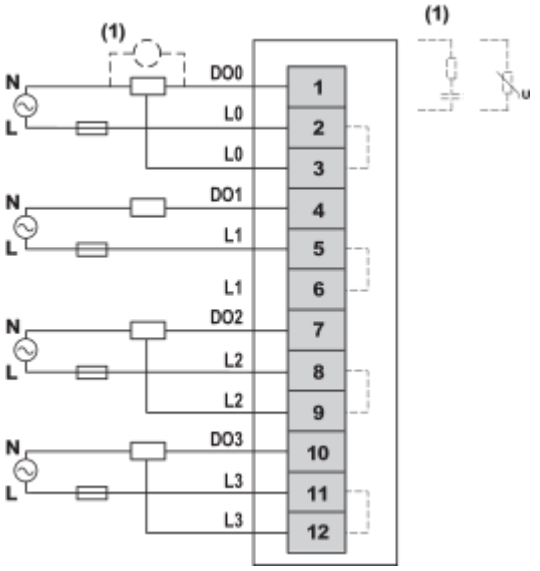


a : 50 mm (1.97 in) **b :** Without EMC kit: 25 mm (0.98 in), with EMC 55 kit: 55 mm (2.16 in) **c :** 80 mm (3.15 in) **d :** 25 mm (0.98 in)

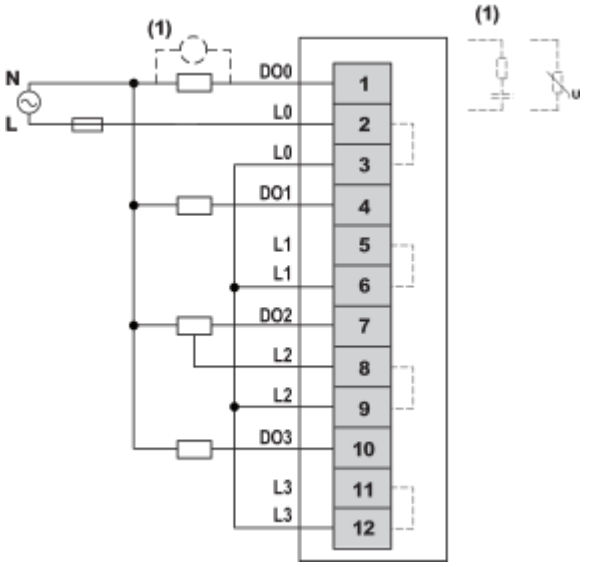
Connections and Schema

Wiring

2-wire or 3-wire connection

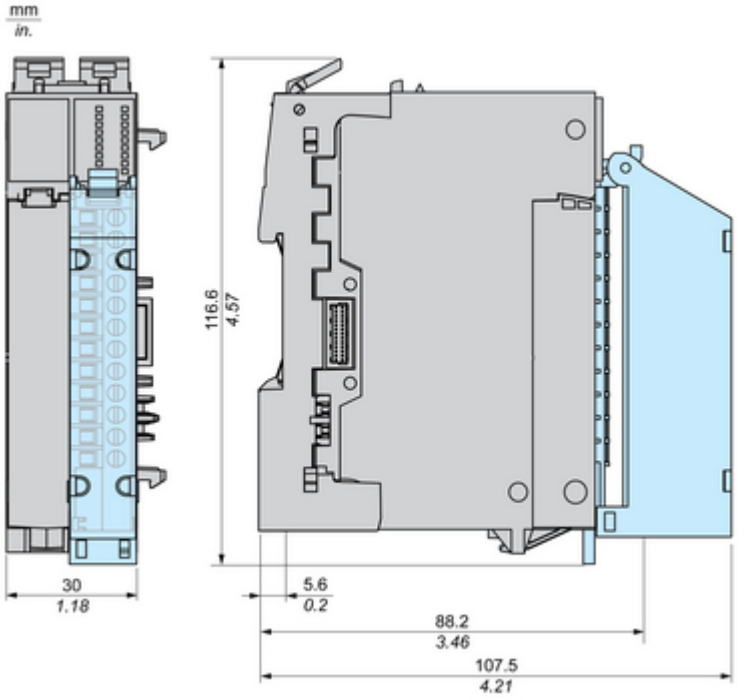


1-wire or 2-wire connection



Technical Illustration

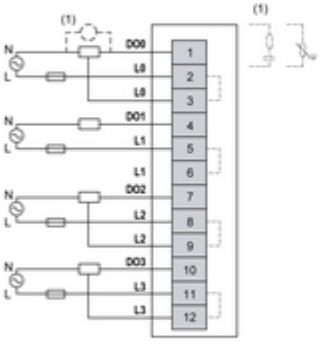
Dimensions



Technical Illustration

Wiring diagram

2-wire or 3-wire connection



1-wire or 2-wire connection

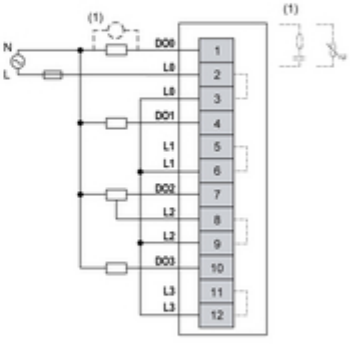
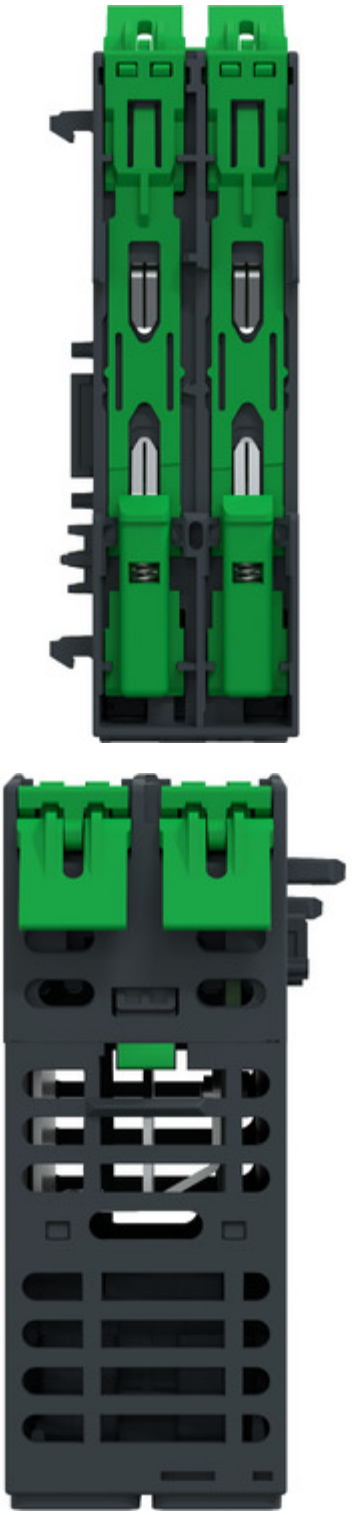


Image of product / Alternate images

Alternative








DAO0415



Image of product in real life situation

