

Product data sheet

Specifications



Relay Output Module + Base, 6 Isolated Out, NO, 2A, 5V to 125V DC, 24V to 240V AC, Modicon Edge I/O NTS

NTSDRA0615K

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	NTSDRA0615 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	6
Group of output channels	6 groups of 1 channels
Discrete output voltage	24...250 V AC 5...125 V DC
Operating Mode	Asynchronous

Complementary

Discrete output number	6 relay outputs (form A with NO)
Output wiring mode	2 wires
Discrete output current	2 A maximum per output at 30 Vdc or 250 Vac (inductive/resistive) 0.2 A maximum per output at 125 Vdc (resistive)
Minimum switching current	10 mA 5 V DC
Discrete output frequency	2 Hz for resistive load 0.5 Hz for inductive load 2 Hz for lamp load
Response time on output	< 10 ms deactivation < 20 ms activation
Mechanical durability	2000000 cycles
[Ith] conventional free air thermal current	2 A per channel
Paralleling of outputs	Yes for logic links Yes for redundant control of load
Output diagnostic	Power supply error per channel
Electrical durability	150000 cycles 2 A 250/30 V AC/DC resistive 100000 cycles 2 A 250/30 V AC/DC inductive 300000 cycles 1 A 250/30 V AC/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

Power supply type	Bus power from power supply bus (24 Vdc) Field power from power supply field (5...125 Vdc or 24...250 Vac)
Rated operational voltage limits	20.4...28.8 V DC
Typical current consumption	31.2 mA 24 V DC on the Bus current 1.2 mA 24 V DC on the internal field current minimum 41.4 mA 24 V DC on the internal field current maximum
Electrical Connection	Screw/spring terminal block
Power dissipation in W	2.23 W maximum at 24 V DC
Isolation between channels	1780 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 IEC 60715 Top hat type TH35-15 IEC 60715
Height	3.9 in (100 mm)
Width	1.2 in (30 mm)
Depth	3.1 in (80 mm)
Net Weight	0.271 lb(US) (0.123 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 - directive basse tension
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
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	3606486877784
Returnability	Yes
Country of origin	ID

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	1.693 in (4.300 cm)
Package 1 Width	3.346 in (8.500 cm)
Package 1 Length	4.724 in (12.000 cm)
Package weight(Lbs)	5.464 oz (154.900 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	4.722 lb(US) (2.142 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	
Carbon footprint (kg CO2 eq, Total Life cycle)	28
Environmental Disclosure	Product Environmental Profile

Use Better

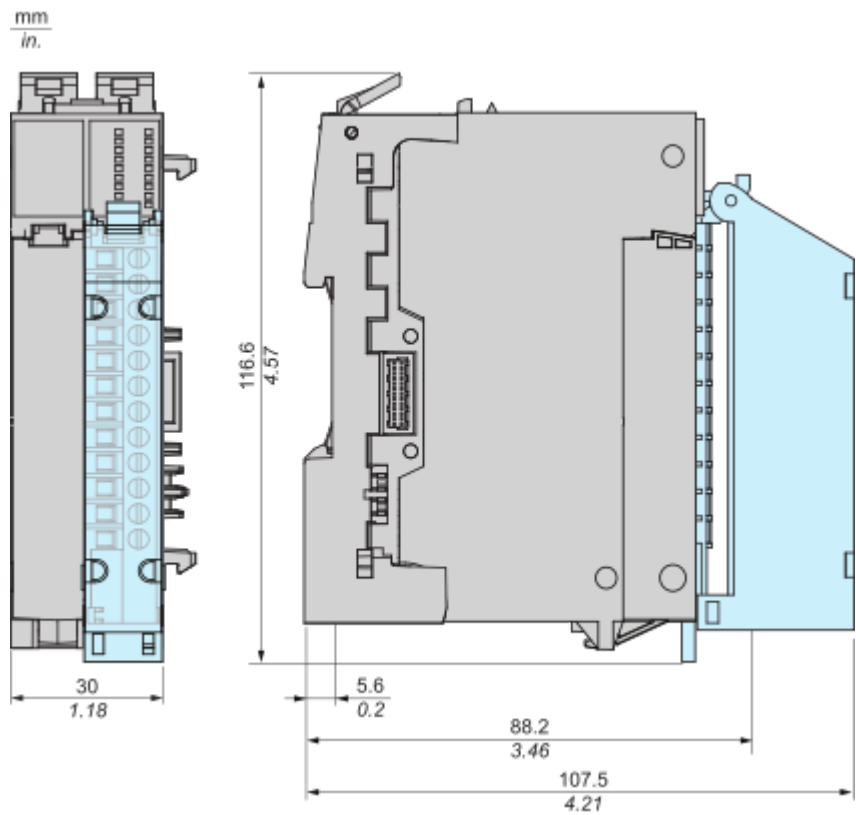
 Materials and Substances	
Packaging made with recycled cardboard	No
Packaging without single use plastic	No
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
REACH Regulation	REACH Declaration
California proposition 65	WARNING: This product can expose you to chemicals including: 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

Use Again

 Repack and remanufacture	
Circularity Profile	End of Life Information
Take-back	No

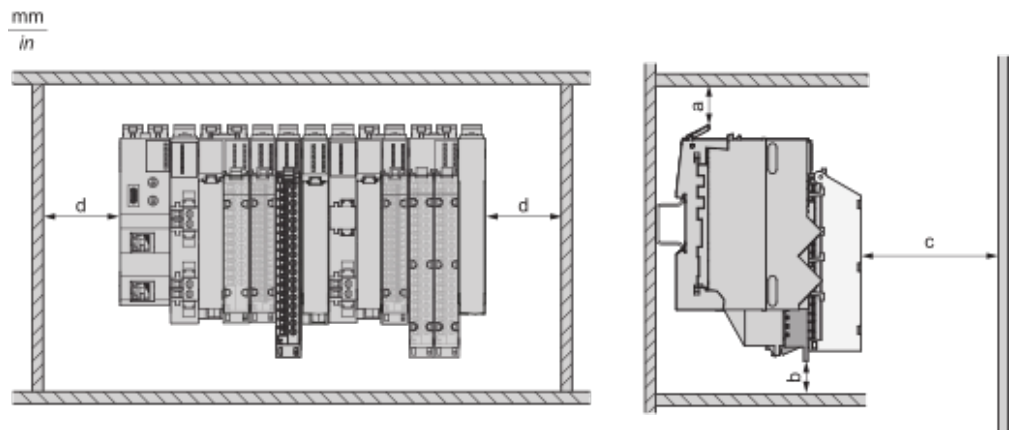
Dimensions Drawings

Dimensions



Mounting and Clearance

Minimum clearances

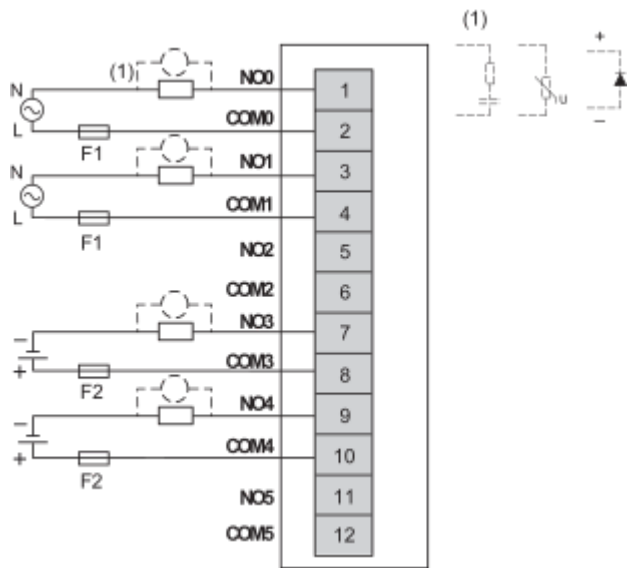


a : 50 mm (1.97 in) b : Without EMC kit: 25 mm (0.98 in), with EMC 55 kit: 55 mm (2.16 in) c : 80 mm (3.15 in) d : 25 mm (0.98 in)

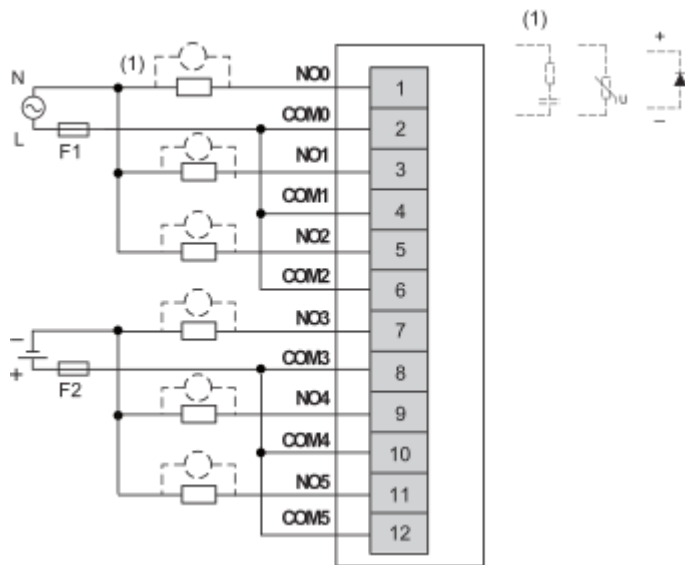
Connections and Schema

Wiring

2-wire connection

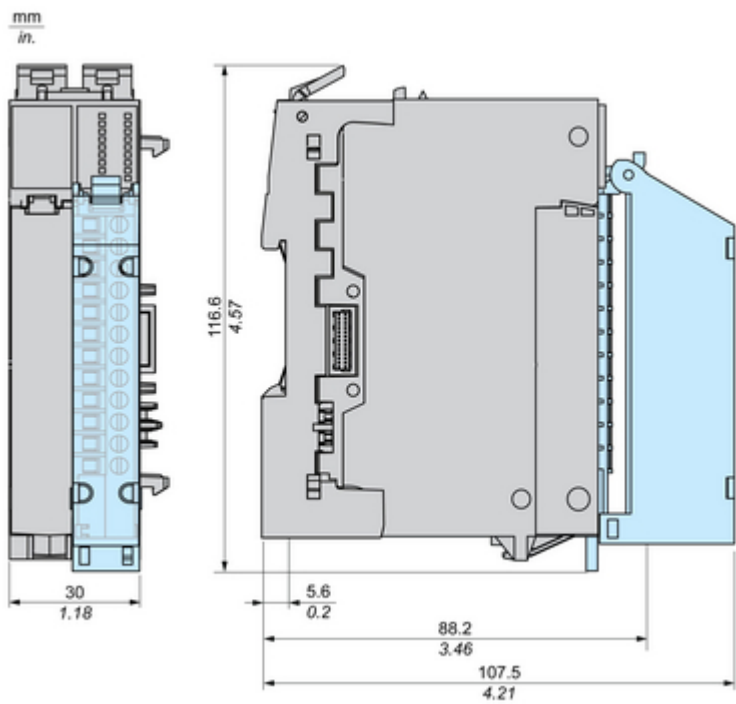


3-wire connection



Technical Illustration

Dimensions



Technical Illustration

Wiring diagram

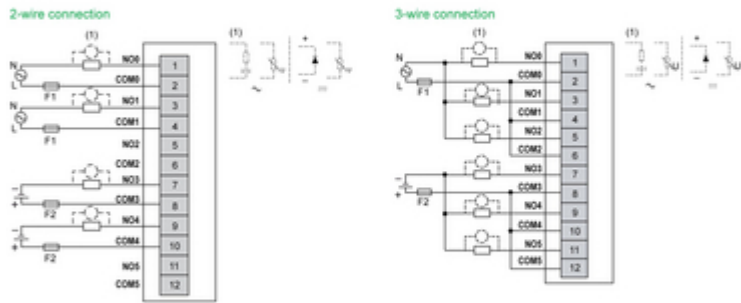


Image of product / Alternate images

Alternative



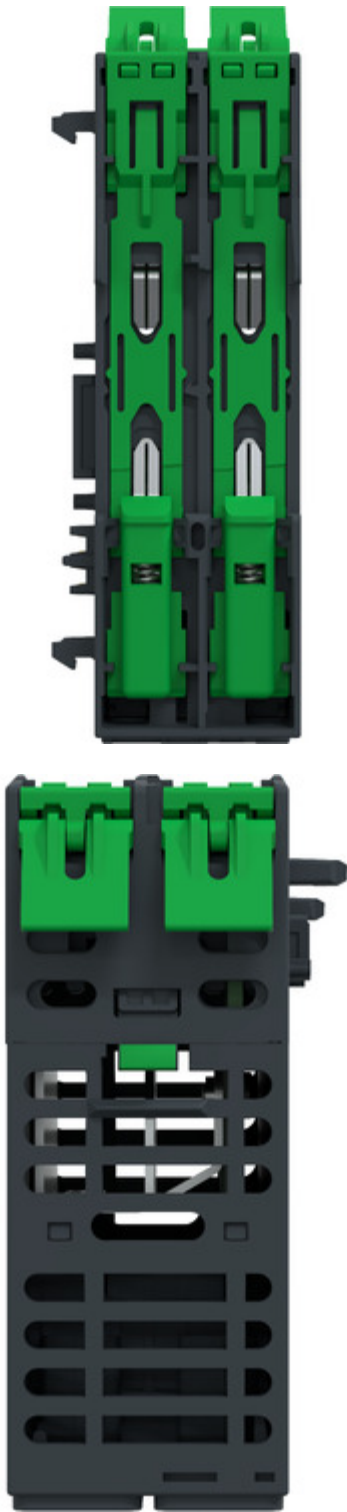




Image of product in real life situation

