

# Product data sheet

Specifications



## Field Device Master Module + Base, IO-Link Master, 4 Channels, Modicon Edge I/O NTS

NTSFIO0400K

**Product availability: Stock - Normally stocked in distribution facility**

### Main

Range of Product	Modicon Edge I/O NTS
Product or Component Type	Field device master module
Kit composition	NTSFIO0400 module NTSXBA0100H base
Product Compatibility	NTSN.....
Range Compatibility	Logic/motion controller - Modicon M262 Modicon M580 Third party
Device Application	Industrial Application
Mandatory accessory	NTSXTB18_0_H terminal block

### Complementary

Communication Port Protocol	IO-Link
Software Version	V 1.1.3
Input/output number	4 discrete input (configurable as input 24 V DC Sink or output 24V DC Push-Pull 200mA/channel)) 4 discrete input/output optional)
Connector type	Terminal block
Exchange mode	C/Q signal in IO-Link master mode
Transmission support medium	IO-Link Master standard with 4 ports
Transmission Rate	4.8 kbit/s 38.4 kbit/s 230.4 kbit/s
Data format	1 start bit 8 data bits 1 parity bit even
Communication Service	IO-Link (COM1/2/3) SIO-Mode (digital input or output)
Input voltage limits	24 V DC
Power supply type	External power supply isolated (24 VDC SELV)
Protection Type	Thermal protection Short-circuit protection Overcurrent protection
Cable length	65.6 ft (20 m)
Hot swapping fallback	Yes
Isolation between channels	None
Isolation between channels and bus	1000 V

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

<b>Local signalling</b>	1 LED green module operating (RUN) 1 LED green/red 1 LED green input channel 1 LED red module error (ERR)
<b>Housing Colour</b>	Grey
<b>Mounting support</b>	Top hat type TH35-7.5 rail IEC 60715 Top hat type TH35-15 rail IEC 60715
<b>Height</b>	3.9 in (100 mm)
<b>Width</b>	0.6 in (15 mm)
<b>Depth</b>	3.1 in (80 mm)
<b>Net Weight</b>	0.161 lb(US) (0.073 kg)

## Environment

<b>IP Degree of Protection</b>	IP20
<b>Marking</b>	CE UKCA CULus RCM
<b>Product certifications</b>	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)
<b>Standards</b>	EN/IEC 61131-2 EN 61010-2-201 UL 61010-2-201 IACS E10 EN/IEC 61000-6-5 EN/IEC 61850-3 EN/IEC 60079-0 EN 50155 EN 50121-4 EN 50121-5
<b>Directives</b>	2014/30/EU - electromagnetic compatibility 2014/34/EU - ATEX directive 2014/35/EU - directive basse tension
<b>Ambient air temperature for operation</b>	-4...140 °F (-20...60 °C)
<b>Ambient air temperature for storage</b>	-40...185 °F (-40...85 °C)
<b>Relative humidity</b>	5...95 % without condensation
<b>Operating altitude</b>	0...6561.68 ft (0...2000 m) without derating 2000...5000 m with derating
<b>Pollution degree</b>	2
<b>Vibration resistance</b>	1 g without accessory 2 g with accessory
<b>Shock resistance</b>	15 g 11 ms with and without accessory)

## Ordering and shipping details

<b>Category</b>	US1PC3318214
<b>Discount Schedule</b>	PC33
<b>GTIN</b>	3606486877975
<b>Returnability</b>	Yes

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Country of origin	ID
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## Packing Units

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Unit Type of Package 1	PCE
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Nbr. of units in pkg.	1
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Package 1 Height	0.984 in (2.500 cm)
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Package 1 Width	3.346 in (8.500 cm)
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Package 1 Length	4.724 in (12.000 cm)
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Package weight(Lbs)	3.598 oz (102.000 g)
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Unit Type of Package 2	S01
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Number of Units in Package 2	16
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Package 2 Height	5.906 in (15.000 cm)
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Package 2 Width	5.906 in (15.000 cm)
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Package 2 Length	15.748 in (40.000 cm)
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Package 2 Weight	4.299 lb(US) (1.950 kg)
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## Contractual warranty

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Warranty (in months)	18
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## 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) 33

Environmental Disclosure [Product Environmental Profile](#)

## Use Better

### Materials and Substances

Packaging made with recycled cardboard Yes

[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](http://www.P65Warnings.ca.gov)**

## Use Again

### Repack and remanufacture

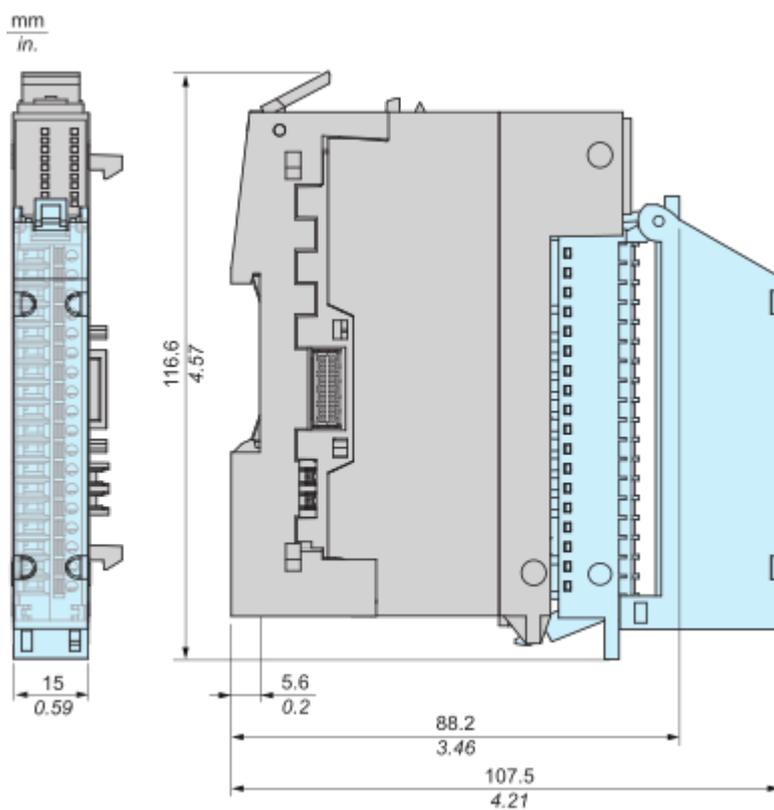
Circularity Profile [End of Life Information](#)

Take-back No

Dimensions Drawings

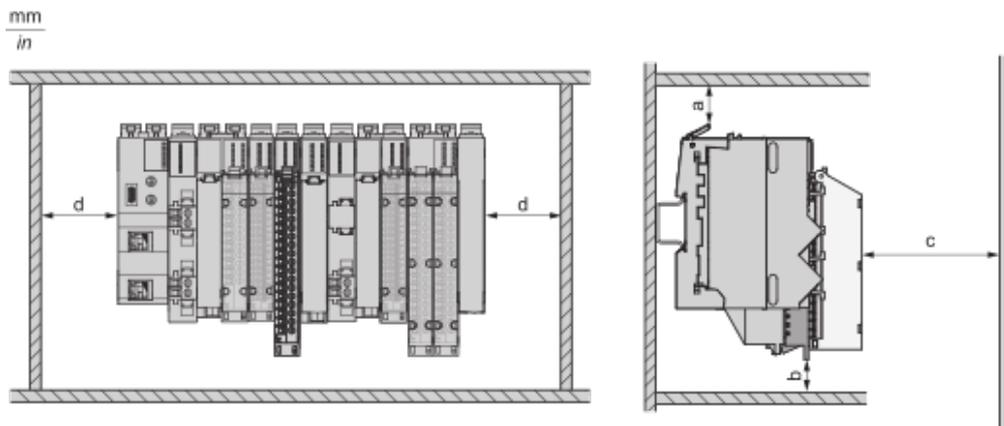
Dimensions

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Mounting and Clearance

Minimum clearances

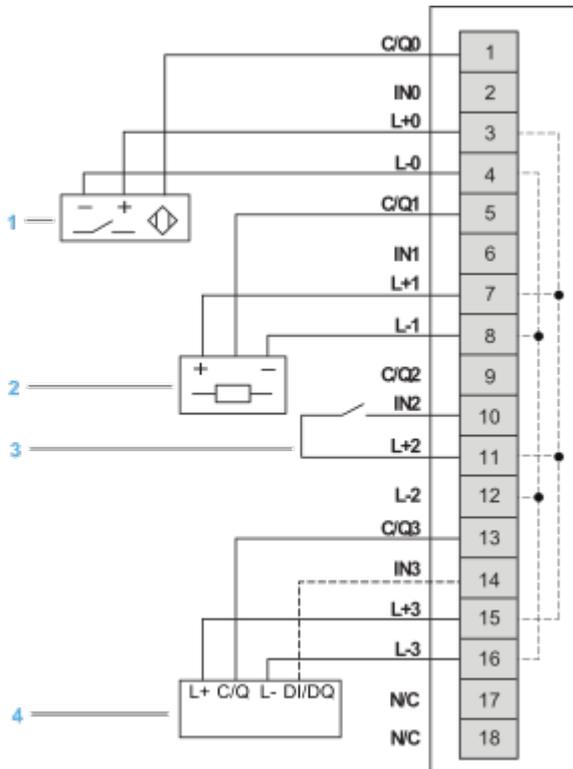


**a** : 50 mm (1.97 in) **b** : Without EMC kit: 25 mm (0.98 in), with EMC 55 kit: 55 mm (2.16 in) **c** : 80 mm (3.15 in ) **d** : 25 mm (0.98 in)

Connections and Schema

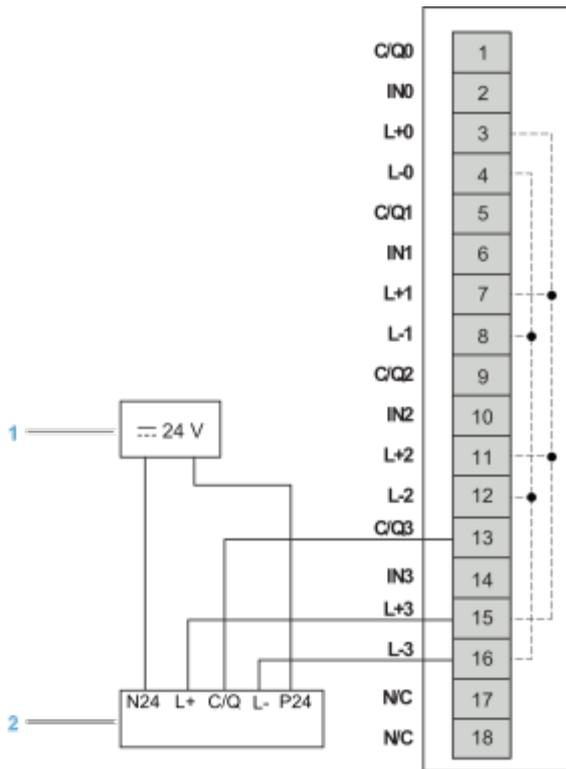
Wiring

IO Link Class A



- 1 : 3-wire sensor
- 2 : 3-wire actuator
- 3 : Discrete input
- 4 : IO Link device (Class A) (4 wires)

IO Link Class B

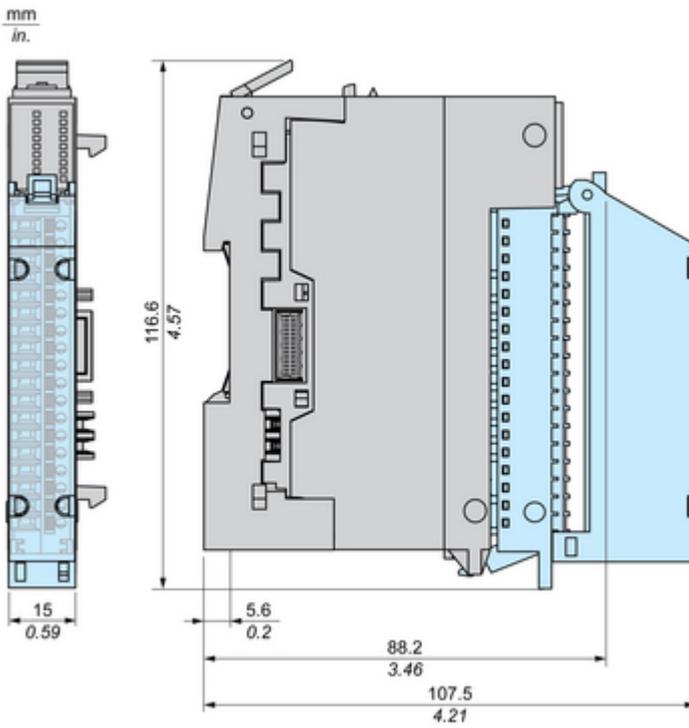


- 1 : SELV External power supply isolated from Field Power
- 2 : IO Link device (Class B) (M12)

Technical Illustration

Dimensions

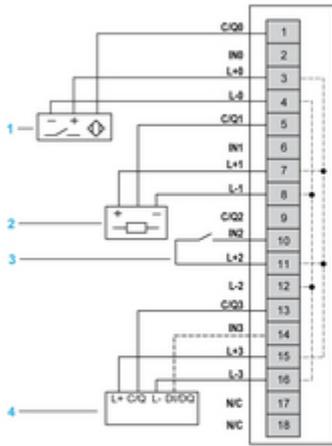
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Technical Illustration

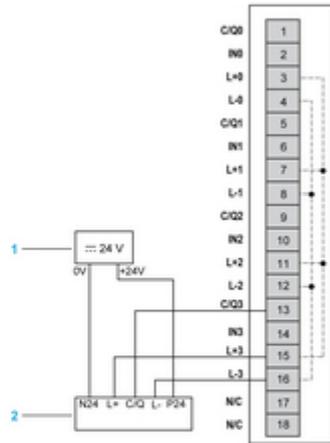
Wiring diagram

IO Link Class A



- 1 : 3-wire sensor
- 2 : 3-wire actuator
- 3 : Discrete input
- 4 : IO Link device (Class A) (4 wires)

IO Link Class B



- 1 : SELV External power supply isolated from Field Power
- 2 : IO Link device (Class B) (M12)

Image of product / Alternate images

Alternative

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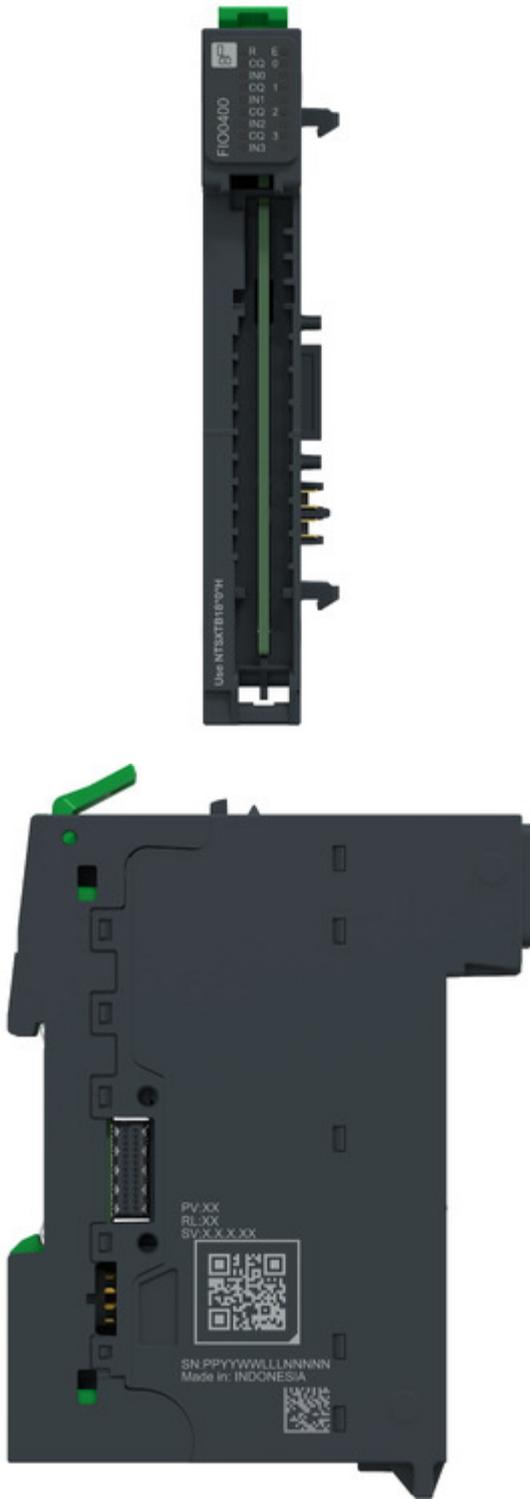


Image of product in real life situation

