

Product data sheet

Specifications



Power Supply Module + Base, 24V DC, Bus and Field, Hardened, Modicon Edge I/O NTS

NTSPFB1002HK

Product availability: Non-Stock - Not normally stocked in distribution facility

Main

Range of Product	Modicon Edge I/O NTS
Product or Component Type	Power distribution module kit
Kit composition	NTSPFB1002H module NTSXB0103H base
Mandatory accessory	2x NTSXTB02*30H terminal block
Product Compatibility	NTSN.....
Range Compatibility	Logic/motion controller - Modicon M262 Modicon M580 Third party
Device Application	Industrial application in severe environment
[Us] rated supply voltage	24 V DC
Power supply output current	3.5 A for bus supply 10.5 A for field supply

Complementary

Supply voltage limits	20.4...28.8 V DC
Input current	3.5 mA for bus supply 10.5 mA for field supply
Maximum power dissipation in W	1.562 W
Hot swapping fallback	Yes
Protection Type	Overvoltage protection for bus and field Undervoltage protection for bus and field Overload protection for bus and field Short-circuit protection for bus and field Reverse polarity protection for bus and field Inrush current control for field Voltage surge protection for bus and field Short power cut for bus
Typical current consumption	3500 mA on the Bus current 10500 mA on the field current
Local signalling	1 LED green bus 1 LED green external power supply
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	0.6 in (15 mm)
Depth	3.1 in (80 mm)

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

Product Weight	0.172 lb(US) (0.078 kg)
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Environment

IP Degree of Protection	IP20
Protective treatment	Conformal coating
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 & 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	-40...158 °F (-40...70 °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 m...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	3606486878132
Returnability	No
Country of origin	ID

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	0.98 in (2.5 cm)
Package 1 Width	3.27 in (8.3 cm)

Package 1 Length	4.57 in (11.6 cm)
Package 1 Weight	2.70 oz (76.65 g)
Unit Type of Package 2	S01
Number of Units in Package 2	16
Package 2 Height	5.91 in (15 cm)
Package 2 Width	5.91 in (15 cm)
Package 2 Length	15.75 in (40 cm)
Package 2 Weight	3.1429 lb(US) (1.4256 kg)

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)	555
Environmental Disclosure	Product Environmental Profile

Use Better

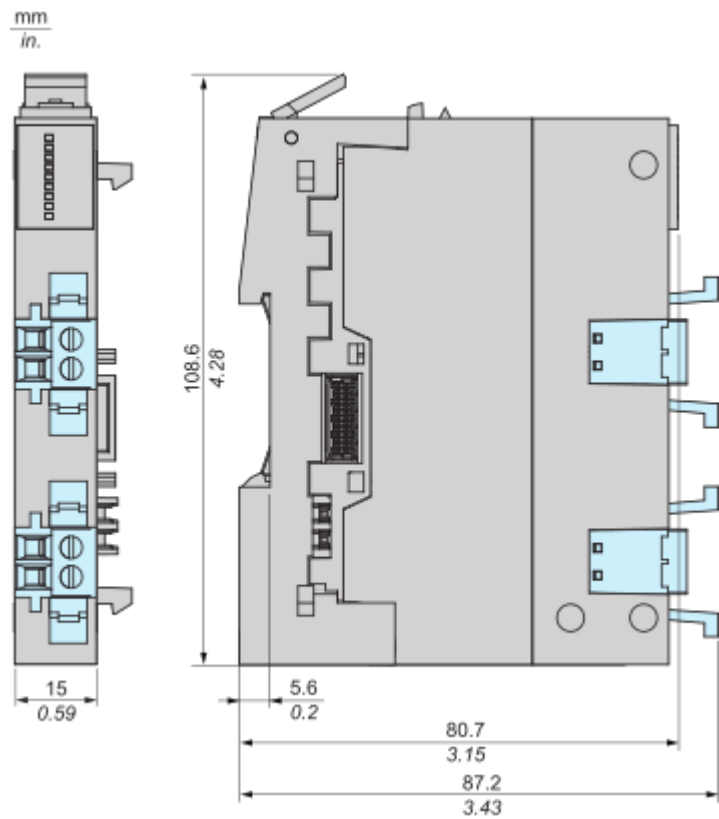
 Materials and Substances	
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
REACH Regulation	REACH Declaration
California proposition 65	WARNING: This product can expose you to chemicals including: 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

Use Again

 Repack and remanufacture	
Circularity Profile	End of Life Information
Take-back	No
WEEE	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

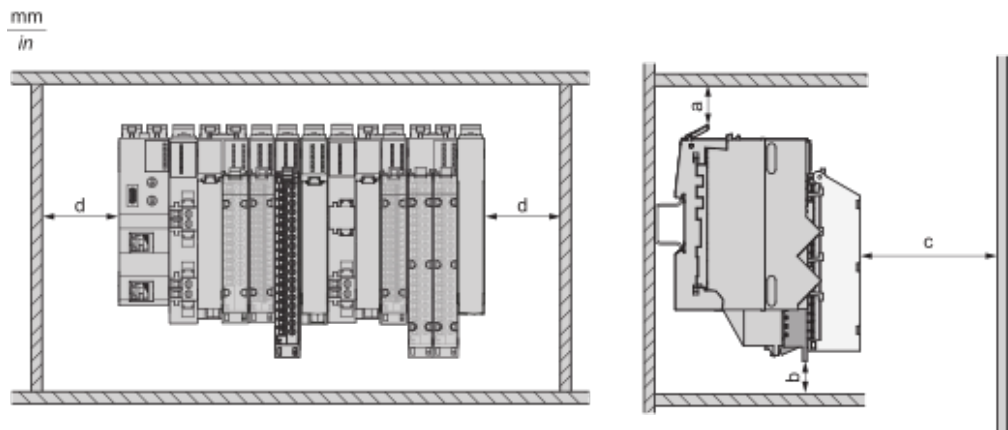
Dimensions Drawings

Dimensions



Mounting and Clearance

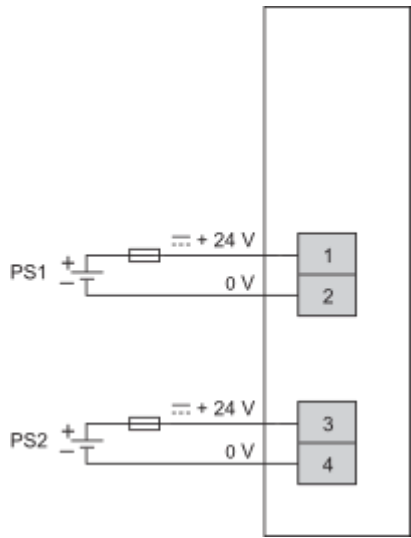
Minimum clearances



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

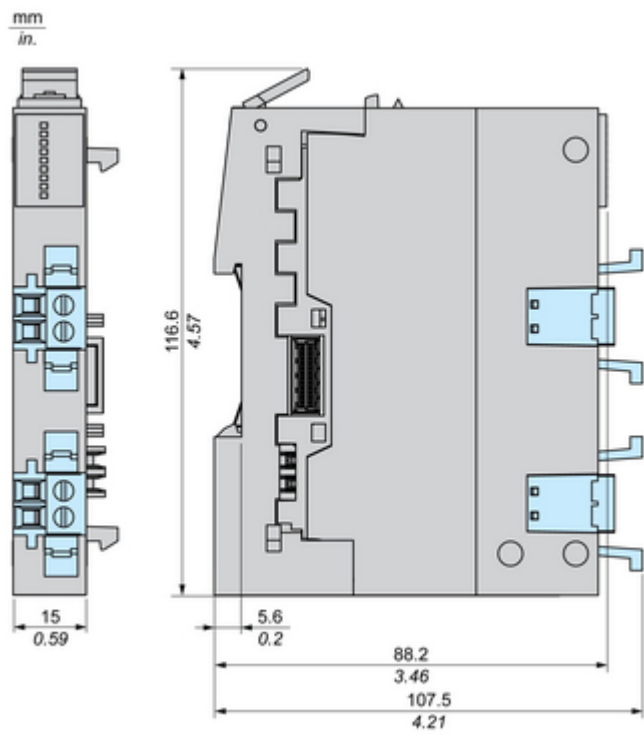
Wiring



PS1 : External isolated power supply, 24 Vdc
External fuse on pin 1, Type T, slow blow, >3.5 A maximum, 250 V
PS2 : External isolated power supply, 24 Vdc
External fuse on pin 3, Type T, slow blow, >10.5 A maximum, 250 V

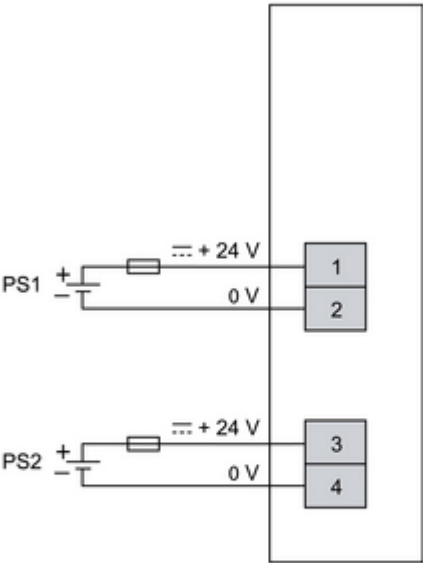
Technical Illustration

Dimensions



Technical Illustration

Wiring diagram



PS1 : External isolated power supply, 24 Vdc
External fuse on pin 1, Type T, slow blow, >3.5 A maximum, 250 V
PS2 : External isolated power supply, 24 Vdc
External fuse on pin 3, Type T, slow blow, >10.5 A maximum, 250 V

Image of product / Alternate images

Alternative

