Product data sheet
Characteristics

NTSFMB0120HK
Field Device Master Module + Base, Serial RS485, Modbus RTU, ASCII, Client, 115 kbps, Hardened, Modicon Edge I/O NTS



Main

Range of product	Modicon Edge I/O NTS
Product or component type	Field device master module
Product compatibility	NTSN.....
Range compatibility	Logic/Motion controller - Modicon M262 Modicon M580 Third party
Device application	Industrial application
Mandatory accessory	NTSXBA0100H base NTSXTB12_1_H terminal block

Complementary

Communication port protocol	Modbus RTU Modbus ASCII ASCII
Input/output number	1 (for serial communication)
Connector type	Terminal block
Transmission support medium	Serial RS422/RS485
Transmission rate	115 kbit/s
Input voltage limits	24 V DC
Power supply type	External power supply isolated (24 VDC SELV)
Cable length	1200 M
Hot swapping fallback	Yes
Local signalling	1 LED green for module operating (RUN) 1 LED green for RX (reception) 1 LED green for TX (transmission) 1 LED red for module error (ERR)
Housing colour	Grey
Mounting support	Top hat type TH35-7.5 rail conforming to IEC 60715 Top hat type TH35-15 rail conforming to IEC 60715
Height	116.6 Mm
Width	15 Mm
Depth	81 Mm
Net weight	0.076 Kg

Environment

IP degree of protection	IP20
Protective treatment	Conformal coating
Marking	CE UKCA CULus RCM
Product certifications	CE[RETURN]UKCA[RETURN]CULus[RETURN]RCM[RETURN]Merchant Navy - EU RO MR (pen
Standards	EN/IEC 61131-2 EN/IEC 61010-2-201 UL 61010-2-201 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	-40…70 °C
Ambient air temperature for storage	-40…85 °C
Relative humidity	5…95 % without condensation
Operating altitude	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 for 11 ms (with and without accessory)

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	3.000 Cm
Package 1 Width	8.500 Cm
Package 1 Length	12.000 Cm
Package 1 Weight	100.000 G
Unit Type of Package 2	S01
Number of Units in Package 2	16
Package 2 Height	15.000 Cm
Package 2 Width	15.000 Cm
Package 2 Length	40.000 Cm
Package 2 Weight	1.900 Kg

Offer Sustainability

Recyclability potential, in %	0
Total lifecycle Carbon footprint	28 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	8.562489870467607
Carbon footprint of the manufacturing phase [A1 to A3]	9 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.10775493005271669
Carbon footprint of the distribution phase [A4]	0.1 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.00017397074382715272
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	19.402642923166
Carbon footprint of the use phase [B2, B3, B4, B6]	19 kg CO2 eq.
Mercury free	Yes
Sustainable packaging	Yes
Carbon footprint of the end-of-life phase [C1 to C4]	0.19612925642885617
Carbon footprint of the end-of-life phase [C1 to C4]	0.2 kg CO2 eq.

Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	28
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
EU RoHS Directive	Compliant By Exemption
End of life manual availability	End Of Life Information
Take-back	No

Contractual warranty

Warranty (in months)	18

Product Life Status : Commercialised