Product data sheet
Characteristics

NTSPFD1002H
Power Supply Module, 24V DC, Field, Hardened, Modicon Edge I/O NTS



Main

Range of product	Modicon Edge I/O NTS
Product or component type	Power distribution module
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 for DC

Complementary

Supply voltage limits	19.2…30 V DC
Input current	10.5 MA for for field supply
Maximum power dissipation in W	1.314 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
Typical current consumption	3 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	Base
Height	100 Mm
Width	15 Mm
Depth	69 Mm
Net weight	0.051 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 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…70 °C
Ambient air temperature for storage	-40…85 °C
Relative humidity	5…95 % without condensation
Operating altitude	0...2000 m 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	3.302 Cm
Package 1 Width	9.144 Cm
Package 1 Length	11.938 Cm
Package 1 Weight	81.647 G

Offer Sustainability

Recyclability potential, in %	0
Total lifecycle Carbon footprint	41 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	4.318646946687955
Carbon footprint of the manufacturing phase [A1 to A3]	4 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.07457907820182536
Carbon footprint of the distribution phase [A4]	0.1 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.00013961397040517076
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	36.88523264039367
Carbon footprint of the use phase [B2, B3, B4, B6]	37 kg CO2 eq.
Mercury free	Yes
Sustainable packaging	Yes
Carbon footprint of the end-of-life phase [C1 to C4]	0.14444912917004338
Carbon footprint of the end-of-life phase [C1 to C4]	0.1 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	41
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
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, w
End of life manual availability	End Of Life Information
Take-back	No

Contractual warranty

Warranty (in months)	18

Product Life Status : Commercialised