Product data sheet
Characteristics

BMXNRP0201
fiber converter module;Modicon X80;single mode



Main

Range of product	Modicon X80
Product or component type	Fibre optic repeater
Optic fiber type	Single mode

Complementary

Rated voltage	24 V
Current consumption	140 mA typical 200 mA maximum
Function available	Hot swap
Number of port	2 RJ45 with 100BASE-TX port Ethernet conforming to IEEE 802.3u 2 fiber optic with 100BASE-FX port Ethernet conforming to IEEE 802.3u
Local signalling	1 LED (green) for power supply status 1 LED (red) for error condition (ERR) 2 LEDs (green) for link status 2 LEDs (green) for fiber port state and activity
Wavelength	1310 Nm
Operating distance	0...15000 m
Attenuation	-15…-8 DB (9/125 µm)
Rise/fall time	2.5 Ns
Receiver sensitivity	- 31...- 8 dBm
Marking	CE
Width	32 Mm
Height	100 Mm
Depth	86 Mm
Net weight	203 G

Environment

Ambient air temperature for operation	0…60 °C
Ambient air temperature for storage	-40…70 °C
Relative humidity	0…95 %
Directives	2014/35/EU - low voltage directive 2014/30/EU - electromagnetic compatibility
Product certifications	CE[RETURN]RCM[RETURN]CSA[RETURN]EAC[RETURN]Merchant Navy[RETURN]UL
Standards	IEC 61010-2-201 IEC 61131-2 UL 61010-2-201 CSA C22.2 No 61010-2-201
Dielectric strength	1400 V DC between field and bus 500 V DC between channels

IP degree of protection	IP20
Operating altitude	0...4000 m

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	5.800 Cm
Package 1 Width	11.000 Cm
Package 1 Length	13.000 Cm
Package 1 Weight	250.000 G
Unit Type of Package 2	S02
Number of Units in Package 2	14
Package 2 Height	15.000 Cm
Package 2 Width	30.000 Cm
Package 2 Length	40.000 Cm
Package 2 Weight	3.840 Kg

Offer Sustainability

Recyclability potential, in %	32
Total lifecycle Carbon footprint	167 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	17.02734375
Carbon footprint of the manufacturing phase [A1 to A3]	17 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.0326914062
Carbon footprint of the distribution phase [A4]	0 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.0995214844
Carbon footprint of the installation phase [A5]	0.1 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	149.8356363636
Carbon footprint of the use phase [B2, B3, B4, B6]	150 kg CO2 eq.
Mercury free	Yes
Sustainable packaging	Yes
Carbon footprint of the end-of-life phase [C1 to C4]	0.40234375
Carbon footprint of the end-of-life phase [C1 to C4]	0.4 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	167
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, which
End of life manual availability	End Of Life Information
Take-back	No

Contractual warranty

Warranty (in months)	18

Product Life Status : Commercialised