Product data sheet
Characteristics

BMXDDM16022
discrete mixed IO module, Modicon X80, 8 inputs, 8 outputs, 24V DC positive



Main

Range of product	Modicon X80
Product or component type	Discrete I/O module
Discrete input number	8

Complementary

Input impedance	6800 Ohm
Response time on output	1.2 ms
Maximum voltage drop	<1.2 V at state 1
Insulation resistance	> 10 MOhm 500 V DC
DC typical filtering time	4 Ms
DC maximum filtering time	7 Ms
Current per channel	0.625 A
Maximum current per module	5 A
Paralleling of outputs	Yes : 2 maximum
Switching frequency	0.5/LI² Hz
Maximum overload time	15 Ms
Load impedance ohmic	>= 48 Ohm
Reverse polarity protection	Reverse mounted diode
Current consumption	<= 111 mA at 3.3 V DC <= 67 mA at 24 V DC
MTBF reliability	450000 H
Protection type	1 external fuse per group of input channel0.5 A fast blow Overvoltage protection on output Reverse polarity protection on input reverse polarity protection on output
Voltage detection threshold	< 14 V DC preactuator fault < 14 V DC sensor fault > 18 V DC preactuator OK > 18 V DC sensor OK
Net weight	0.115 Kg

Environment

IP degree of protection	IP20
Protective treatment	Standard version
Directives	2014/35/EU - low voltage directive 2014/30/EU - electromagnetic compatibility
Dielectric strength	1500 V AC at 50/60 Hz 1 minute, output/ground 1500 V AC at 50/60 Hz 1 minute, output/internal logic 1500 V AC at 50/60 Hz 1 minute, primary/secondary 500 V DC 1 minute, between group of inputs and outputs
Relative humidity	5…95 % at 55 °C without condensation

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	5.500 Cm
Package 1 Width	11.000 Cm
Package 1 Length	11.700 Cm
Package 1 Weight	142.000 G
Unit Type of Package 2	S02
Number of Units in Package 2	15
Package 2 Height	15.000 Cm
Package 2 Width	30.000 Cm
Package 2 Length	40.000 Cm
Package 2 Weight	2.490 Kg

Offer Sustainability

Recyclability potential, in %	3
Total lifecycle Carbon footprint	32 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	18.2710666667
Carbon footprint of the manufacturing phase [A1 to A3]	18 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.0186992
Carbon footprint of the distribution phase [A4]	0 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.0380778667
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	13.4007088643
Carbon footprint of the use phase [B2, B3, B4, B6]	13 kg CO2 eq.
Mercury free	Yes
Sustainable packaging	Yes
Carbon footprint of the end-of-life phase [C1 to C4]	0.2537426667
Carbon footprint of the end-of-life phase [C1 to C4]	0.3 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	32
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
SCIP Number	59505052-8ead-46e6-bc82-9cffb526d03c
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