Product data sheet
Characteristics

BMXDDM3202K
discrete mixed IO module, Modicon X80, 16 inputs, 16 outputs, 24V DC positive



Main

Range of product	Modicon X80
Product or component type	Discrete I/O module
Discrete input number	16

Complementary

Input impedance	9600 Ohm
Response time on output	1.2 ms
Maximum voltage drop	<1.5 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	0.125 A
Maximum current per module	3.2 A
Paralleling of outputs	Yes : 3 maximum
Switching frequency	0.5/LI² Hz
Maximum overload time	15 Ms
Load impedance ohmic	<= 220 Ohm
Reverse polarity protection	Reverse mounted diode
Current consumption	<= 104 mA at 24 V DC <= 166 mA at 3.3 V DC
MTBF reliability	430000 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	0.11 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	11.500 Cm
Package 1 Length	11.700 Cm
Package 1 Weight	136.000 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	2.355 Kg

Offer Sustainability

Recyclability potential, in %	3
Total lifecycle Carbon footprint	38 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	17.1211393939
Carbon footprint of the manufacturing phase [A1 to A3]	17 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.0175223273
Carbon footprint of the distribution phase [A4]	0 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.0356813576
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	20.5516634815
Carbon footprint of the use phase [B2, B3, B4, B6]	21 kg CO2 eq.
Mercury free	Yes
Sustainable packaging	Yes
Carbon footprint of the end-of-life phase [C1 to C4]	0.2377728485
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	38
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