Product data sheet
Characteristics

BMXDDM16025
discrete mixed IO module, Modicon X80, 8 inputs, 24V DC, 8 relay outputs, 24 to 240V AC positive



Main

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

Complementary

Input impedance	6800 Ohm
Paralleling of inputs	No
Minimum switching current	1 MA 5 V DC
Response time on output	<= 8 ms deactivation <= 10 ms activation
Insulation resistance	> 10 MOhm 500 V DC
DC typical filtering time	4 Ms
DC maximum filtering time	7 Ms
Switching frequency	1 Hz
Maximum switching voltage	125 V DC 264 V AC
MTBF reliability	940000 H
Protection type	1 external fuse per group of input channel0.5 A fast blow Reverse polarity protection on input 1 external fuse per output channel or group of output channel fast blow
Voltage detection threshold	< 14 V DC sensor fault > 18 V DC sensor OK
Net weight	0.135 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, primary/secondary 2830 V AC at 50/60 Hz 1 minute, output relay 500 V DC 1 minute, between group of I/O
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	5.100 Cm
Package 1 Width	11.600 Cm
Package 1 Length	11.800 Cm
Package 1 Weight	159.000 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	2.760 Kg

Offer Sustainability

Recyclability potential, in %	3
Total lifecycle Carbon footprint	27 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	20.5709212121
Carbon footprint of the manufacturing phase [A1 to A3]	21 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.0210529455
Carbon footprint of the distribution phase [A4]	0 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.0428708848
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	5.9370226257
Carbon footprint of the use phase [B2, B3, B4, B6]	6 kg CO2 eq.
Mercury free	Yes
Sustainable packaging	Yes
Carbon footprint of the end-of-life phase [C1 to C4]	0.285682303
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	27
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