



Main

Range of product	Modicon X80
Product or component type	Discrete input module
Discrete input number	64
Discrete input type	Isolated
Input type	Current sink (logic positive)
Discrete input voltage	24 V DC, discrete input logic: positive

Complementary

Input impedance	24000 Ohm
Insulation resistance	> 10 MOhm 500 V DC
DC typical filtering time	4 Ms
DC maximum filtering time	7 Ms
Paralleling of inputs	No
Typical current consumption	200 MA at 3.3 V DC
MTBF reliability	362681 H
Protection type	1 external fuse per group of channel 0.5 A fast blow without reverse polarity protection
Voltage detection threshold	< 14 V DC sensor fault > 18 V DC sensor OK
Status LED	1 LED (green)+32 channels indicator: 1 LED (green)module operating (RUN): 1 LED per channel (green)channel diagnostic: 1 LED (red)module error (ERR): 1 LED (red)module I/O:
Net weight	0.145 Kg

Environment

IP degree of protection	IP20
Directives	2014/35/EU - low voltage directive 2014/30/EU - electromagnetic compatibility 2012/19/EU - WEEE directive
Product certifications	RCM UL CSA Merchant Navy CE EAC
Standards	EN 61131-2 EN 61000-6-4 EN 61000-6-2 EN 61010-2-201
Dielectric strength	1500 V AC at 50/60 Hz 1 minute, primary/secondary 500 V DC 1 minute, between group of channels

Vibration resistance	3 gn
Shock resistance	30 gn
Ambient air temperature for storage	-40...85 °C
Ambient air temperature for operation	0...60 °C
Relative humidity	5...95 % at 55 °C without condensation
Protective treatment	TC
Operating altitude	0...2000 m 2000...5000 m with derating factor

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Contractual warranty

Warranty	18 months
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Product Life Status : **Commercialised**