BMXSDI1602

safety discrete input module, Modicon X80, 16 inputs, 24V DC positive



Main Range of product Modicon X80 Product or component Discrete input module type Discrete input number 16 Discrete input type Not isolated Input type Current sink (logic positive) Discrete input voltage 24 V DC, discrete input logic: positive Discrete input current 3.2 mA

Complementary

Input compatibility	With 2-wire/3-wire proximity sensors conforming to IEC 60947-5-2	
Sensor power supply	1930 V	
Current state 1 guaranteed	>= 2 mA	
Current state 0 guaranteed	<= 1.5 mA	
Input impedance	7500 Ohm	
Insulation resistance	> 10 MOhm 500 V DC	
Power dissipation in W	3.57 W	
DC typical response time	6 ms	
DC maximum response time	6 ms	
Paralleling of inputs	Yes	
Typical current consumption	256 MA at 3.3 V DC 100 mA at 24 V	
MTBF reliability	265000 H	
Protection type	Reverse polarity protection External overload protection0.5 A fast blow	
Voltage detection threshold	< 14 V DC sensor fault > 18 V DC sensor OK	
Status LED	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	0.115 kg	

Environment

IP degree of protection	IP20	
Environmental characteristic	Gas resistant class Gx	
	Gas resistant class 3C4	
	Dust resistant class 3S4	
	Sand resistant class 3S4	
	Salt resistant level 2	
	Mold growth resistant class 3B2	
	Fungal spore resistant class 3B2	
Dielectric strength	1500 V AC at 50/60 Hz 1 minute, primary/secondary	
Vibration resistance	3 gn	
Shock resistance	15 gn	
Ambient air temperature for storage	-4085 °C	
Ambient air temperature for operation	-2560 °C	
Relative humidity	595 % at 55 °C without condensation	

Protective treatment	Conformal coating
Operating altitude	02000 m 20005000 m with derating factor

Packing Units

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Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	5.500 cm
Package 1 Width	18.000 cm
Package 1 Length	26.000 cm
Package 1 Weight	338.000 g
Unit Type of Package 2	S03
Number of Units in Package 2	8
Package 2 Height	30.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	3.136 kg

Offer Sustainability

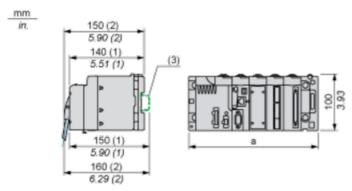
REACh Regulation	REACh Declaration	
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)	
Mercury free	Yes	
China RoHS Regulation	China RoHS Declaration	
RoHS exemption information	€Yes	
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins	

Product data sheet Dimensions Drawings

BMXSDI1602

Modules Mounted on Racks

Dimensions



- (1) With removable terminal block (cage, screw or spring).
- (2) With FCN connector.
- $(3) On AM1 ED \ rail: 35 \ mm \ wide, 15 \ mm \ deep. \ Only \ possible \ with \ BMXXBP0400/0400H/0600/0600H/0800/0800H \ rack.$

Rack references	a in mm	a in in.
BMXXBP0400 and BMXXBP0400H	242.4	09.54
BMXXBP0600 and BMXXBP0600H	307.6	12.11
BMXXBP0800 and BMXXBP0800H	372.8	14.68
BMXXBP1200 and BMXXBP1200H	503.2	19.81