

Product data sheet

Specifications



safety relay output module, Modicon X80, 4 isolated outputs, 24 to 230V AC, 24V DC

BMXSRA0405

Product availability: Stock - Normally stocked in distribution facility

Main

Range of Product	Modicon X80
Product or Component Type	Discrete output module
Discrete output number	4 EN/IEC 61131-2
Discrete output type	Relay
Discrete output voltage	24...240 V 10...264 V AC 12...24 V 10...34 V DC

Complementary

[Ith] conventional free air thermal current	5 A
Insulation resistance	> 10 MOhm 500 V DC
Power dissipation in W	3.9 W
Response time on output	12 ms activation 6 ms deactivation
Typical current consumption	240 mA 3.3 V DC 130 mA 24 V DC
MTBF reliability	624000 H
Protection type	External short-circuit protection overvoltage protection, inductive AC overvoltage protection, inductive DC External overload protection
Output overload protection	Use 1 fast blow fuse per channel or group of channel
Output overvoltage protection	Use discharge diode on each output DC Use RC circuit on each output AC Use ZNO surge limiter on each output AC
Output short-circuit protection	Use 1 fast blow fuse per channel or group of channel
Minimum switching current	10 mA 5 V DC
Maximum switching voltage	230 V AC
Mechanical durability	10000000 cycles
Electrical durability	AC-15 80000 cycles 250 VA 250 V -13...140 °F (-25...60 °C) AC-15 80000 cycles 500 VA 250 V -13...140 °F (-25...60 °C) AC-15 80000 cycles 750 VA 250 V -13...140 °F (-25...60 °C) AC-12 250000 cycles 250 VA 250 V -13...140 °F (-25...60 °C) AC-12 70000 cycles 500 VA 250 V -13...140 °F (-25...60 °C) AC-12 30000 cycles 1000 VA 250 V -13...140 °F (-25...60 °C) DC-13 80000 cycles 24 VA 24 V -13...140 °F (-25...60 °C) DC-13 50000 cycles 48 VA 24 V -13...140 °F (-25...60 °C) DC-13 30000 cycles 96 VA 24 V -13...140 °F (-25...60 °C) DC-12 1000000 cycles 24 VA 24 V -13...140 °F (-25...60 °C) DC-12 500000 cycles 48 VA 24 V -13...140 °F (-25...60 °C) DC-12 300000 cycles 120 VA 24 V -13...140 °F (-25...60 °C)

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Switching frequency	<= 50 Hz
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	0.320 lb(US) (0.145 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	2000 V AC 50/60 Hz 1 min
Vibration resistance	3 gn
Shock resistance	15 gn
Ambient Air Temperature for Storage	-40...185 °F (-40...85 °C)
Ambient Air Temperature for Operation	-13...140 °F (-25...60 °C)
Relative humidity	5...95 % 131 °F (55 °C) without condensation
Protective treatment	Conformal coating
Operating altitude	0...6561.68 ft (0...2000 m) 2000...5000 m with derating factor

Ordering and shipping details

Category	US1PC3418161
Discount Schedule	PC34
GTIN	3606481204936
Returnability	Yes
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	2.165 in (5.500 cm)
Package 1 Width	7.087 in (18.000 cm)
Package 1 Length	10.236 in (26.000 cm)
Package weight(Lbs)	13.721 oz (389.000 g)
Unit Type of Package 2	S03
Number of Units in Package 2	8
Package 2 Height	11.811 in (30.000 cm)
Package 2 Width	11.811 in (30.000 cm)
Package 2 Length	15.748 in (40.000 cm)
Package 2 Weight	7.796 lb(US) (3.536 kg)

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Environmental footprint

Carbon footprint (kg CO2 eq, Total Life cycle) 187

Environmental Disclosure [Product Environmental Profile](#)

Use Better

Materials and Substances

Packaging made with recycled cardboard Yes

Packaging without single use plastic Yes

[EU RoHS Directive](#) Pro-active compliance (Product out of EU RoHS legal scope)

SCIP Number 43b0fbab-d94b-43e8-be0a-0b39cadd288b

REACH Regulation [REACH Declaration](#)

California proposition 65 **WARNING:** This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Use Again

Repack and remanufacture

Circularity Profile [End of Life Information](#)

Take-back No

Dimensions Drawings

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

Image of product / Alternate images

Alternative





