



Main

Range of Product	Modicon X80
Product or Component Type	Discrete output module
Discrete output number	8 EN/IEC 61131-2
Discrete output type	Solid state Not isolated
Discrete output logic	Positive
Discrete output voltage	24 V 19...30 V DC
Discrete output current	0.5 A
Output compatibility	Not IEC 61131-2 DC input IEC 61131-2 type 3 DC input

Complementary

Current per channel	0.625 A
Maximum current per module	10 A
Maximum leakage current	0.5 mA at state 0
Maximum voltage drop	<1.2 V at state 1
Insulation resistance	> 10 MOhm 500 V DC
Power dissipation in W	4.4 W
Response time on output	1.2 ms
Paralleling of outputs	Yes : 2 maximum
Typical current consumption	264 mA 3.3 V DC 15 mA 24 V
MTBF reliability	401208 H
Protection type	Reverse polarity protection Overload protection Overvoltage protection Short-circuit protection
Output overload protection	With current limiter With electronic circuit breaker $1.5 I_n < I_d < 2 I_n$
Output overvoltage protection	With transil diode
Output short-circuit protection	With 2 A external fuse
Reverse polarity protection	Reverse mounted diode
Voltage detection threshold	< 14 V DC sensor fault > 18 V DC sensor OK
Switching frequency	0.5/LI ² Hz
Load impedance ohmic	>= 48 Ohm
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	0.26 lb(US) (0.12 kg)

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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 50/60 Hz 1 minute, output/ground 1500 V AC 50/60 Hz 1 minute, output/internal logic
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	18161-MODICON M580 CONTROLLERS HSBY
Discount Schedule	PC34
GTIN	3606481204929
Nbr. of units in pkg.	1
Package weight(Lbs)	11.64 oz (330.0 g)
Returnability	Yes
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	2.17 in (5.5 cm)
Package 1 width	6.89 in (17.5 cm)
Package 1 Length	10.24 in (26 cm)
Unit Type of Package 2	S03
Number of Units in Package 2	8
Package 2 Weight	6.79 lb(US) (3.079 kg)
Package 2 Height	11.81 in (30 cm)
Package 2 width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)

Offer Sustainability

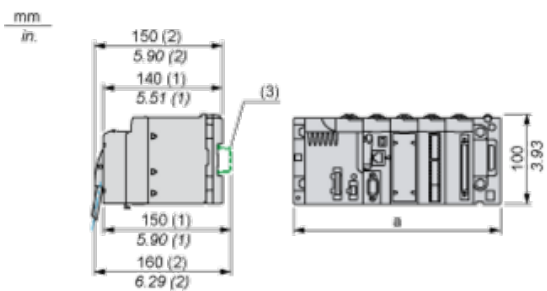
Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov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

WEEE

The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

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