Product data sheet
Characteristics

BMXDDO3202K
discrete output module M340 - 32 outputs - solid state - 24 V DC positive



Main

Range of product	Modicon X80
Product or component type	Discrete output module
Discrete output number	32 conforming to EN/IEC 61131-2
Discrete output type	Solid state
Discrete output logic	Positive
Discrete output voltage	24 V 19...30 V DC
Discrete output current	0.1 A
Output compatibility	IEC 61131-2 type 3 DC input Not IEC 61131-2 DC input

Complementary

Current per channel	0.125 A
Current per module	<= 3.2 A
Leakage current	<= 0.1 mA at state 0
[Ures] residual voltage	1.5 V at state 1
Insulation resistance	> 10 MOhm 500 V DC
Power dissipation in W	<= 3.6 W
Response time on output	1.2 ms
Paralleling of outputs	Yes : 3 maximum
Typical current consumption	150 mA at 3.3 V DC
MTBF reliability	360412 H
Protection type	External short-circuit protection Overload protection Overvoltage protection Reverse polarity protection
Output overload protection	With electronic circuit breaker 0.125 A < Id < 0.185 A With current limiter
Output overvoltage protection	With transil diode
Output short-circuit protection	With 2 A external fuse

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Reverse polarity protection	Reverse mounted diode
Voltage detection threshold	< 14 V DC preactuator fault > 18 V DC preactuator at state 0
Tungsten load	<= 1.2 W
Switching frequency	0.5/LI² Hz
Overload time	<= 15 ms
Load impedance ohmic	<= 220 Ohm
Status LED	1 LED green for module operating (RUN) 1 LED per channel green for channel diagnostic 1 LED red for module I/O 1 LED red for module error (ERR)
Product weight	0.11 kg

Environment

IP degree of protection	IP20
Product certifications	CE CSA UL RCM Merchant Navy EAC
Standards	EN/IEC 61131-2 EN/IEC 61010-2-201 UL 61010-2-201 CSA C22.2 No 61010-2-201
Dielectric strength	1500 V AC at 50/60 Hz 1 minute, output/ground 1500 V AC at 50/60 Hz 1 minute, output/internal logic 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 % without condensation 55 °C
Protective treatment	TC
Operating altitude	0...2000 m 2000...5000 m (with derating factor)

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0901 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product environmental profile	Available Product environmental
Product end of life instructions	Available End of life manual

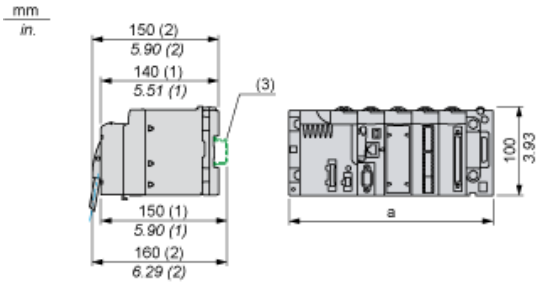
Contractual warranty

Warranty period	18 months 18 months

BMXDDO3202K

Modules Mounted on Racks

Dimensions

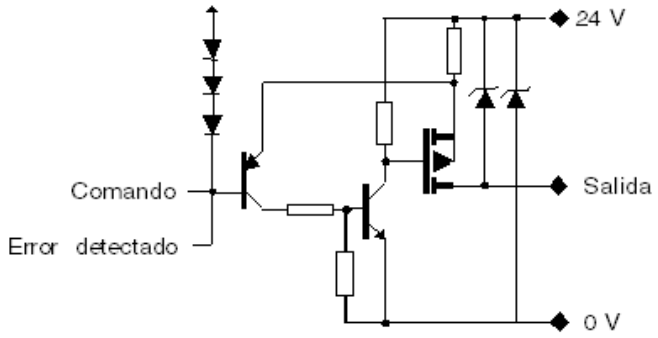


(1) With removable terminal block (cage, screw or spring).
(2) With FCN connector.
(3) On AM1 ED rail: 35 mm wide, 15 mm deep. Only possible with BMXXBP0400/0400H/0600/0600H/0800/0800H rack.

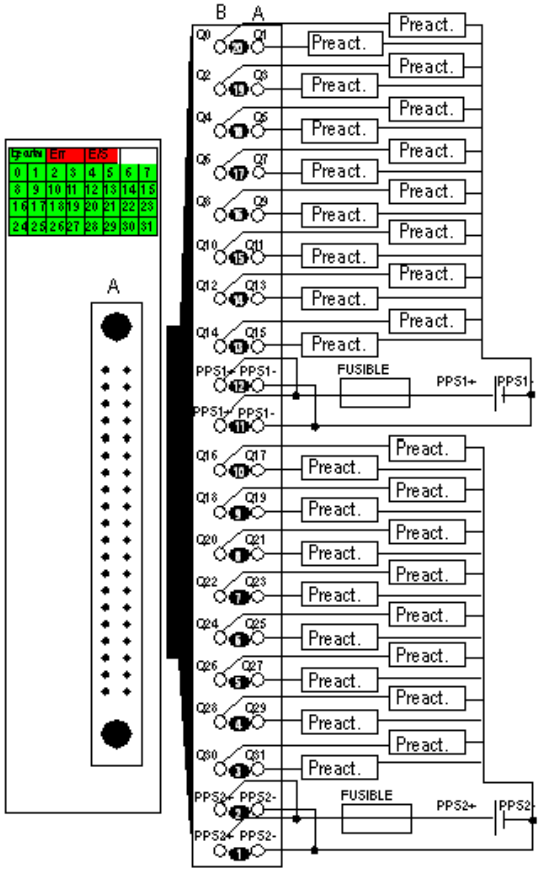
Rack references	a in mm	a in in.
BMXXBP0400 and BMXXBP0400H	242.4	09.54
BMXXBP0600 and BMXXBP0600H	307.6	12.11
BMXXBP0800 and BMXXBP0800H	372.8	14.68
BMXXBP1200 and BMXXBP1200H	503.2	19.81

Connecting the Module

Output Circuit Diagram



Module Connection



power supply 24 VDC
fuse fast blow fuse of 2 A for each 16-channel group
pre-act pre-actuator
PPS pre-actuator power supply