



Price* : 394.00 USD



Main

| | |
|------------------------------|--------------------------------|
| Range of product | Modicon X80 |
| Product or component type | Discrete output module |
| Product specific application | Extended temperature |
| Electrical connection | 20-way connector |
| Discrete output number | 8 conforming to EN/IEC 61131-2 |
| Discrete output type | Relay |
| Discrete output voltage | 100...150 V 100...150 V DC |

Complementary

| | |
|--|---|
| [I _{th}] conventional free air thermal current | 0.3 A |
| Insulation resistance | > 10 MOhm 500 V DC |
| Power dissipation in W | <= 3.17 W |
| Response time on output | < 10 ms activation < 10 ms deactivation |
| Typical current consumption | 61 mA at 3.3 V DC 104 mA at 24 V DC |
| Current consumption | <= 112 mA at 3.3 V DC <= 117 mA at 24 V DC |
| Protection type | Overvoltage protection, inductive AC network Overvoltage protection, inductive DC network External short-circuit protection External overload protection 0.5 A |
| Output overload protection | Use 1 fast blow fuse per channel or group of channel |
| Output overvoltage protection | Use discharge diode on each output DC |
| Output short-circuit protection | Use 1 fast blow fuse per channel or group of channel |
| Minimum switching current | 1 mA 5 V DC |
| Mechanical durability | 20000000 cycles |

| | |
|-----------------------|--|
| Electrical durability | >= 100000 cycles DC-12 37 W 125 V >= 100000 cycles DC-13 12 W 125 V |
| Status LED | 1 LED green module operating (RUN) 1 LED per channel green channel diagnostic 1 LED red module I/O 1 LED red module error (ERR) |
| Product weight | 0.32 lb(US) (0.145 kg) |

Environment

| | |
|---------------------------------------|--|
| IP degree of protection | IP20 |
| Product certifications | RCM Merchant Navy CSA EAC CE UL |
| Standards | CSA C22.2 No 61010-2-201 UL 61010-2-201 EN/IEC 61131-2 EN/IEC 61010-2-201 |
| Dielectric strength | 2000 V AC at 50/60 Hz 1 min |
| Vibration resistance | 3 gn |
| Shock resistance | 30 gn |
| Ambient air temperature for storage | -40...185 °F (-40...85 °C) |
| Ambient air temperature for operation | -13...158 °F (-25...70 °C) |
| Relative humidity | 5...95 % without condensation 55 °C |
| Protective treatment | TC |
| Operating altitude | 0...6561.68 ft (0...2000 m) 2000...5000 m (with derating factor) |

Ordering and shipping details

| | |
|-----------------------|----------------------|
| Category | 18160 - MODICON M340 |
| Discount Schedule | PC34 |
| GTIN | 00785901675617 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 0.46000000000000002 |
| Returnability | Y |
| Country of origin | FR |

Offer Sustainability

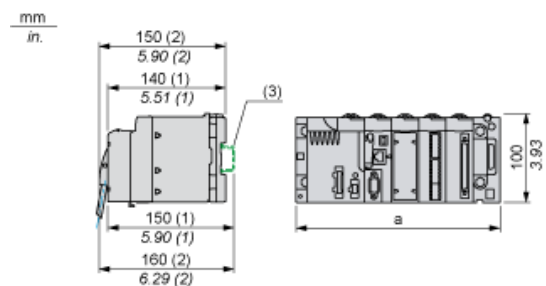
| | |
|----------------------------------|---|
| Sustainable offer status | Green Premium product |
| RoHS (date code: YYWW) | Compliant - since 0901 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity |
| REACH | Reference not containing SVHC above the threshold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

Contractual warranty

| | |
|-----------------|-----------|
| Warranty period | 18 months |
|-----------------|-----------|

Modules Mounted on Racks

Dimensions

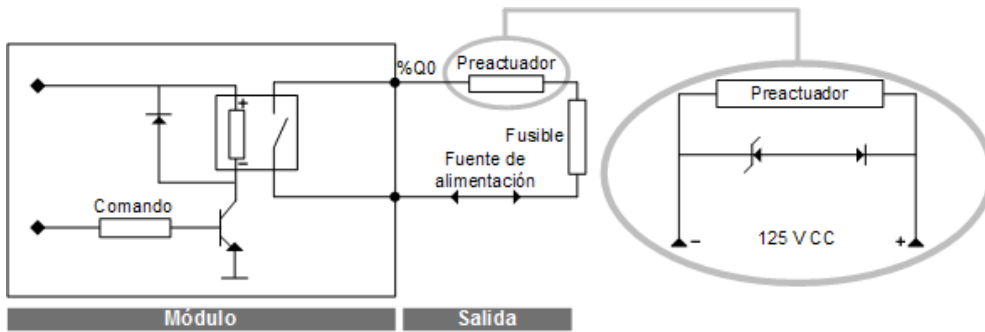


- (1) With removable terminal block (cage, screw or spring).
- (2) With FCN connector.
- (3) On AM1 ED rail: 35 mm wide, 15 mm deep. Only possible with BMXXBP0400/0400H/0600/0600H/0800/0800H rack.

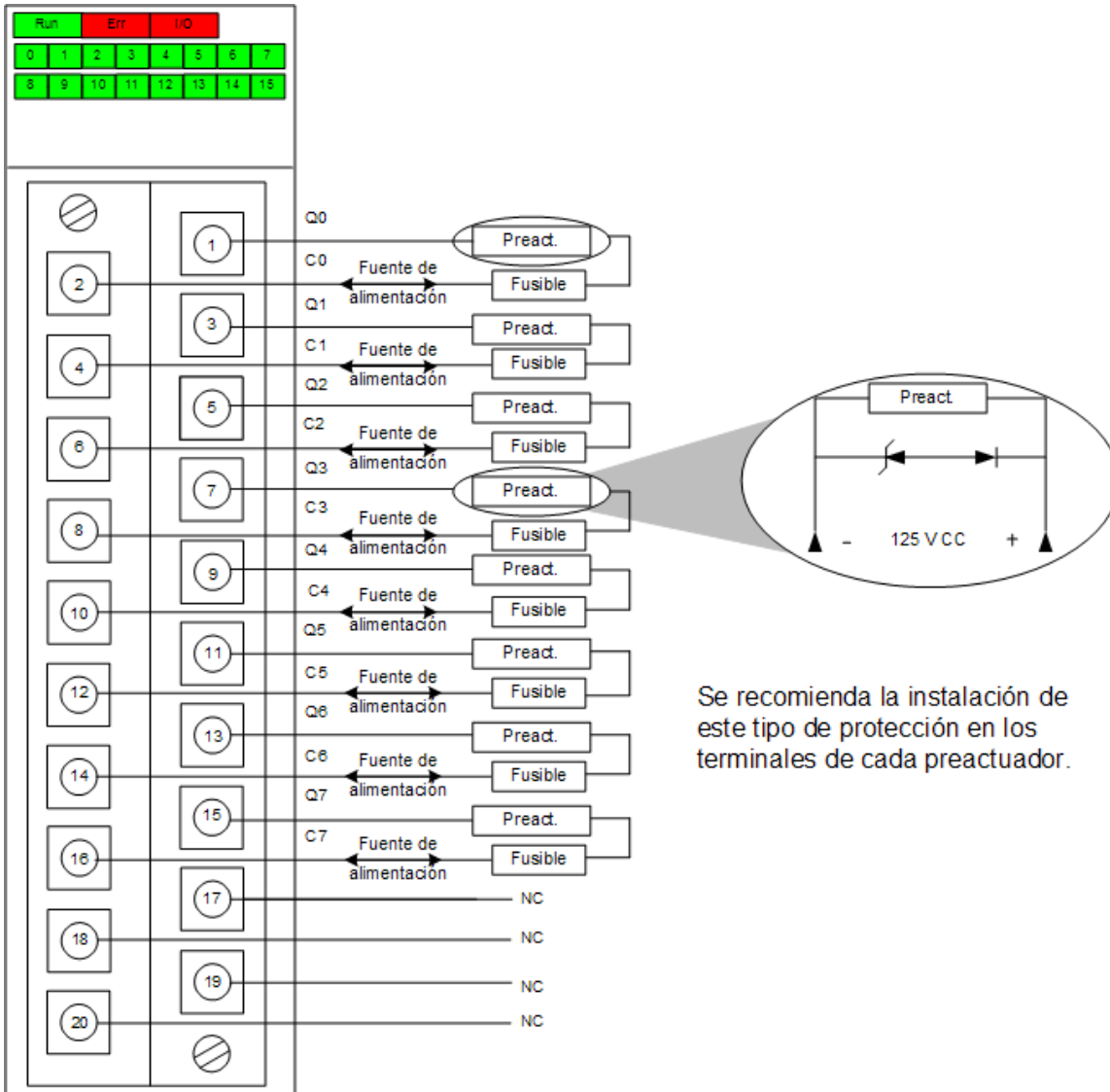
| Rack references | a in mm | a in in. |
|----------------------------|---------|----------|
| BMXXBP0400 and BMXXBP0400H | 242.4 | 09.54 |
| BMXXBP0600 and BMXXBP0600H | 307.6 | 12.11 |
| BMXXBP0800 and BMXXBP0800H | 372.8 | 14.68 |
| BMXXBP1200 and BMXXBP1200H | 503.2 | 19.81 |

Connecting the Module

Output Circuit Diagram



Module Connection



Se recomienda la instalación de este tipo de protección en los terminales de cada preactuador.

power supply 25 VDC (100...150 VDC)

fuse 1 fast blow fuse of 0.5 A, 250 VDC for each relay

NC not connected

NOTE: A Zener Diode voltage of 47 V or slightly higher is recommended.