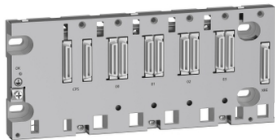


# Product datasheet

Specifications



rack, Modicon X80, 4 slots, Ethernet backplane, ruggedized

BMEXBP0400H

## Main

|                                |                         |
|--------------------------------|-------------------------|
| Range of product               | Modicon X80             |
| Accessory / separate part type | Ruggedized rack         |
| Product specific application   | For severe environments |

## Complementary

|                        |                                                                                                                                                    |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Number of slots        | 4 bus X + Ethernet                                                                                                                                 |
| Product compatibility  | BMXCPS power supply<br>I/O module<br>Specific application module<br>BMX processor<br>BME processor                                                 |
| Power consumption in W | 162 mW 3.3 V DC<br>2.8 W 24 V DC                                                                                                                   |
| Electrical connection  | 1 connector (XBE) expansion module                                                                                                                 |
| Fixing mode            | By 4 screws - diameter: 4.32...6.35 mm, mounting on panel<br>By 4 M6 screws, mounting on plate<br>By clips, mounting on 35 mm symmetrical DIN rail |
| Current consumption    | 49 mA at 3.3 V DC<br>118 mA at 24 V DC                                                                                                             |
| MTBF reliability       | 1588025 H                                                                                                                                          |
| Net weight             | 0.705 kg                                                                                                                                           |

## Environment

|                                       |                                                                                                                 |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| IP degree of protection               | IP20                                                                                                            |
| Ambient air temperature for operation | -25...70 °C                                                                                                     |
| Relative humidity                     | 5...95 % without condensation                                                                                   |
| Directives                            | 2014/35/EU - low voltage directive<br>2014/30/EU - electromagnetic compatibility<br>2014/34/EU - ATEX directive |
| Product certifications                | CE<br>UL<br>CSA<br>RCM<br>EAC<br>Merchant Navy<br>ATEX zone 2/22<br>IECEx zone 2/22                             |

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

|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standards                    | IEC 61131-2<br>IEC 61010-2-201<br>UL 61010-2-201<br>CSA C22.2 No 61010-2-201<br>IACS E10<br>IEC 61000-6-5, interface type 1 and type 2<br>IEC 61850-3, location G<br>IEC 60079-0                                                                                                                                                                                                                                                                 |
| Environmental characteristic | Gas resistant class Gx conforming to ISA S71.04<br>Gas resistant class 3C4 conforming to IEC 60721-3-3<br>Dust resistant class 3S4 conforming to IEC 60721-3-3<br>Sand resistant class 3S4 conforming to IEC 60721-3-3<br>Salt resistant level 2 conforming to IEC 68252<br>Mold growth resistant class 3B2 conforming to IEC 60721-3-3<br>Fungal spore resistant class 3B2 conforming to IEC 60721-3-3<br>Hazardous location class I division 2 |
| Protective treatment         | Conformal coating                                                                                                                                                                                                                                                                                                                                                                                                                                |

## Packing Units

|                              |           |
|------------------------------|-----------|
| Unit Type of Package 1       | PCE       |
| Number of Units in Package 1 | 1         |
| Package 1 Height             | 7.000 cm  |
| Package 1 Width              | 15.500 cm |
| Package 1 Length             | 32.500 cm |
| Package 1 Weight             | 725.000 g |
| Unit Type of Package 2       | S04       |
| Number of Units in Package 2 | 13        |
| Package 2 Height             | 30.000 cm |
| Package 2 Width              | 40.000 cm |
| Package 2 Length             | 60.000 cm |
| Package 2 Weight             | 10.273 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.eq.CO2 per CR, Total Life cycle) | 150                                           |
| Environmental Disclosure                              | <a href="#">Product Environmental Profile</a> |

Use Better

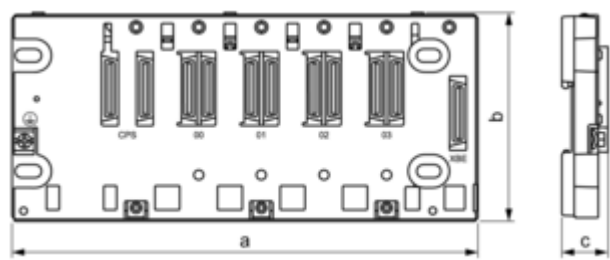
| Materials and Substances               |                                                            |
|----------------------------------------|------------------------------------------------------------|
| Packaging made with recycled cardboard | Yes                                                        |
| Packaging without single use plastic   | No                                                         |
| <a href="#">EU RoHS Directive</a>      | Pro-active compliance (Product out of EU RoHS legal scope) |
| REACH Regulation                       | <a href="#">REACH Declaration</a>                          |

Use Again

| Repack and remanufacture |                                                                                                                                                                                                                 |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Circularity Profile      | <a href="#">End of Life Information</a>                                                                                                                                                                         |
| Take-back                | No                                                                                                                                                                                                              |
| WEEE                     |  The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |

Dimensions Drawings

Dimensions



Dimensions in mm

| a          |                                   | b                                                                  | c  |
|------------|-----------------------------------|--------------------------------------------------------------------|----|
| Empty Rack | Rack With Extender Module Mounted |                                                                    |    |
| 242.4      | 243.58                            | 105.11<br><b>NOTE:</b> Overall height is 134.6 with a CPU mounted. | 19 |

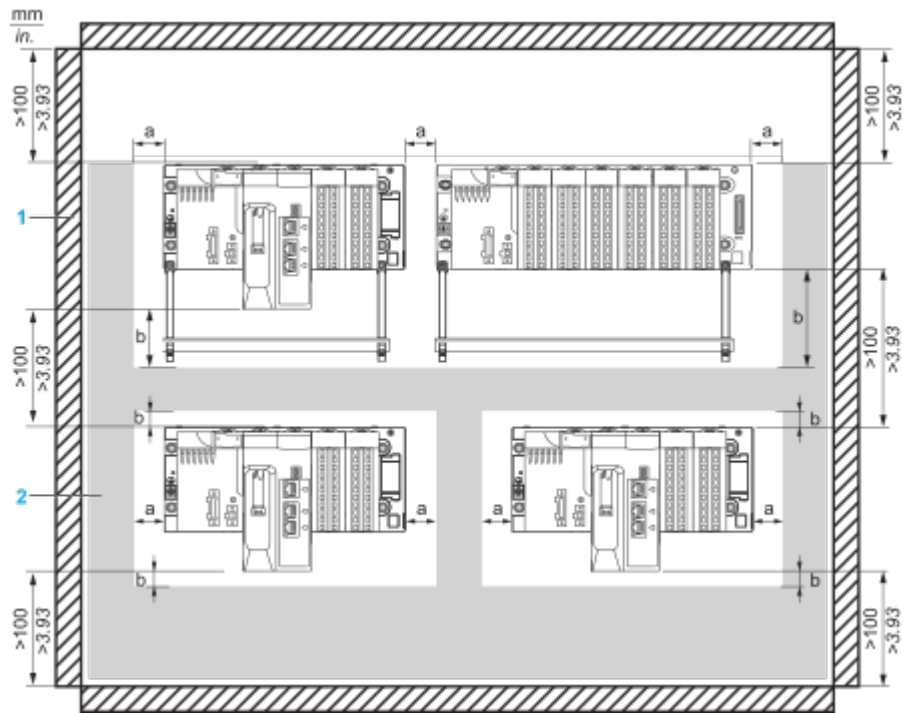
Dimensions in in.

| a          |                                   | b                                                               | c    |
|------------|-----------------------------------|-----------------------------------------------------------------|------|
| Empty Rack | Rack With Extender Module Mounted |                                                                 |      |
| 9.54       | 9.59                              | 4.14<br><b>NOTE:</b> Overall height is 5.30 with a CPU mounted. | 0.75 |

Mounting and Clearance

Minimum Clearance

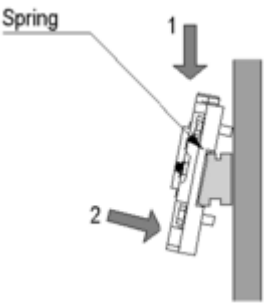
Minimum Clearance of a typical installation in a cabinet with ducts



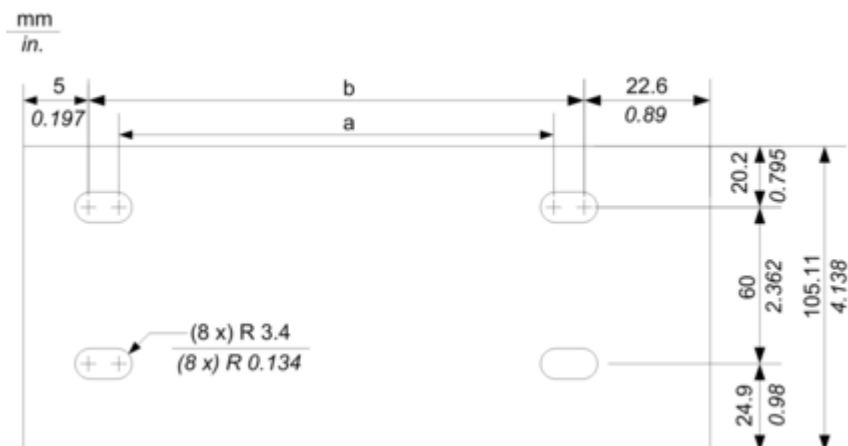
- a Side clearance:  $> 40$  mm (1.57 in.)
- b Top and bottom clearance with surrounding objects:  $> 20$  mm (0.79 in.)
- 1 Installation or casing
- 2 Wiring duct or tray

Mounting a Rack on a DIN rail

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## Mounting and Fastening the Rack on Panels



**NOTE:** You can use M4, M5, M6, or UNC #6 screws in the fastening holes.

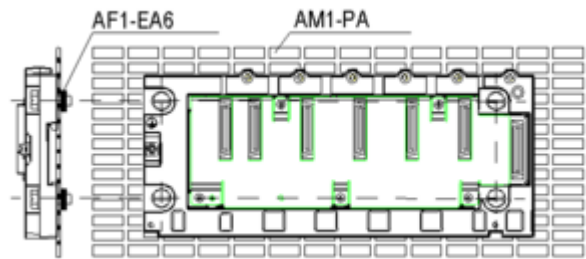
Dimensions in mm

| a     | b     |
|-------|-------|
| 202.1 | 214.8 |

Dimensions in in.

| a    | b    |
|------|------|
| 7.96 | 8.46 |

Mounting on Telequick Grid AM1-PA and AM3-PA Mounting Grids



Fasten the rack with four M4, M5, M6 or UNC #6 screws