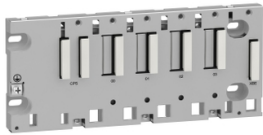


# Product data sheet

Specifications



Backplane, Modicon X80, 4 slots,  
panel, mounitng plate or DIN rail  
mounting, ruggedized

BMXXBP0400H

## Main

|                              |                         |
|------------------------------|-------------------------|
| Range of product             | Modicon X80             |
| Product or component type    | Ruggedized backplane    |
| Product specific application | For severe environments |

## Complementary

|                        |                                                                                                                                                 |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Number of slots        | 4 bus X                                                                                                                                         |
| Product compatibility  | BMXP34 processor<br>BMXCPS power supply<br>I/O module<br>Specific application module                                                            |
| Power consumption in W | 1.12 W                                                                                                                                          |
| Electrical connection  | 1 connector (XBE) expansion module                                                                                                              |
| Fixing mode            | By 4 M4/M5/M6 screws, mounting on panel<br>By 4 M4/M5/M6 screws, mounting on mounting plate<br>By clips, mounting on 35 mm symmetrical DIN rail |
| Height                 | 103.7 mm                                                                                                                                        |
| Width                  | 242.4 mm                                                                                                                                        |
| Depth                  | 19 mm                                                                                                                                           |
| Net weight             | 0.63 kg                                                                                                                                         |

## Environment

|                                       |                                                                                                                 |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| IP degree of protection               | IP20                                                                                                            |
| Ambient air temperature for operation | -25...70 °C                                                                                                     |
| Relative humidity                     | 10...95 % without condensation                                                                                  |
| Protective treatment                  | Conformal coating                                                                                               |
| 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>UKCA<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                    | EN/IEC 61131-2<br>EN/IEC 61010-2-201<br>UL 61010-2-201<br>CSA C22.2 No 61010-2-201<br>IACS E10<br>EN/IEC 61000-6-5, interface type 1 and type 2<br>EN/IEC 61850-3, location G<br>EN/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 |

## 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             | 694.000 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             | 9.850 kg  |

## Contractual warranty

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

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          |                                               |
|----------------------------------|-----------------------------------------------|
| Total lifecycle Carbon footprint | 56                                            |
| Environmental Disclosure         | <a href="#">Product Environmental Profile</a> |

Use Better

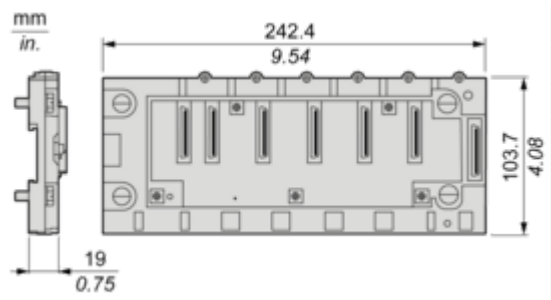
| Materials and Substances               |                                                                                                                                                                                                                                                                                             |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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>                                                                                                                                                                                                                                                           |
| 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |

Use Again

| Repack and remanufacture        |                                         |
|---------------------------------|-----------------------------------------|
| End of life manual availability | <a href="#">End of Life Information</a> |
| Take-back                       | No                                      |

Dimensions Drawings

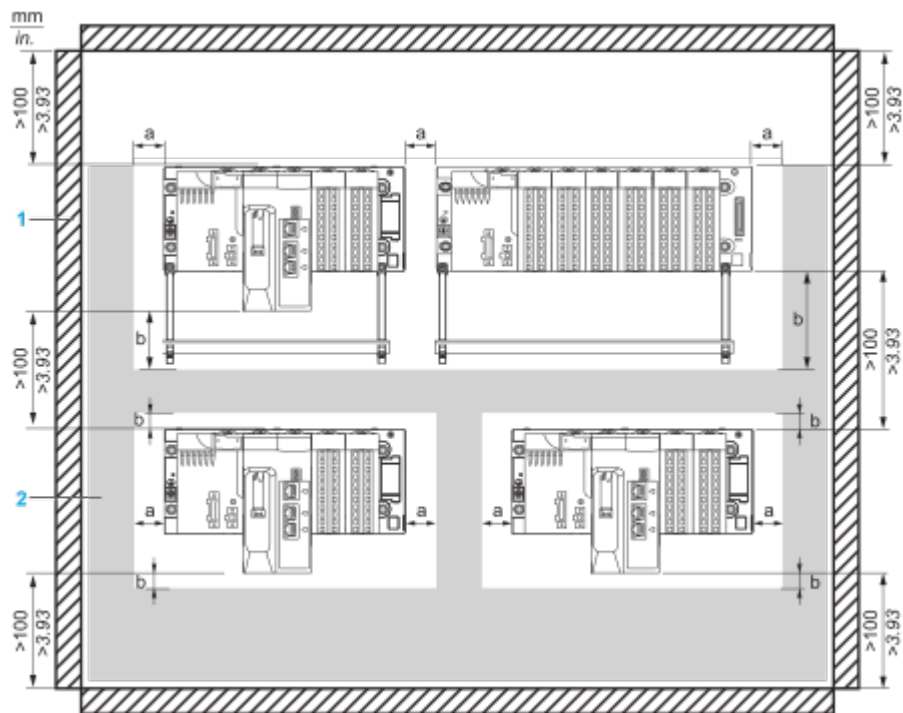
Dimensions



Mounting and Clearance

Minimum Clearance

Minimum Clearance of a typical installation in a cabinet with ducts



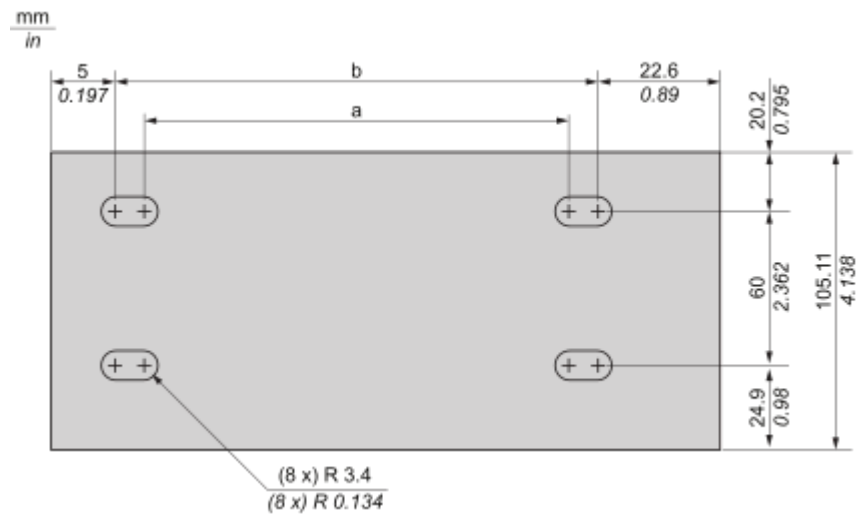
- a Side clearance: > 40 mm (1.57 in.)
- b Top and bottom clearance with surrounding objects: > 20 mm (0.79 in.)
- 1 Installation or casing
- 2 Wiring duct or tray

Mounting on DIN rail

| Symmetric DIN rail                                                                                                                                                     |                                                                                                                                                                       | Double-profile DIN rail                                                                                                                                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type A                                                                                                                                                                 | Type B                                                                                                                                                                |                                                                                                                                                                        |
| <div><div><div>mm</div><div>in</div></div><div><div>5.5</div><div>0.22</div></div><div><div>35</div><div>1.38</div></div><div><div>15</div><div>0.59</div></div></div> | <div><div><div>mm</div><div>in</div></div><div><div>5</div><div>0.19</div></div><div><div>35</div><div>1.38</div></div><div><div>7.2</div><div>0.28</div></div></div> | <div><div><div>mm</div><div>in</div></div><div><div>7.2</div><div>0.28</div></div><div><div>35</div><div>1.38</div></div><div><div>15</div><div>0.59</div></div></div> |

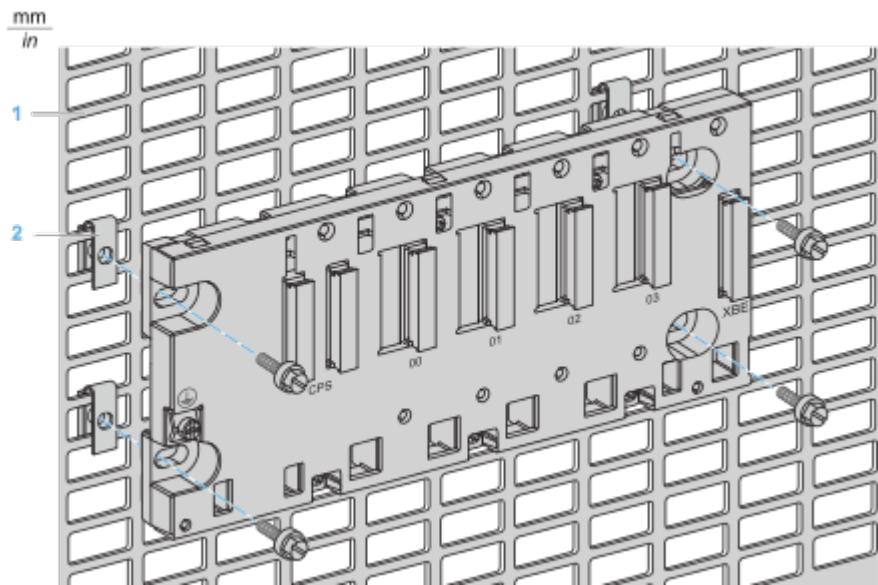
**NOTE:** When mounted on a type B symmetric DIN rail, the rack withstands less mechanical stress.

Mounting on panels



| Rack Type   | a                         | b                       |                         |
|-------------|---------------------------|-------------------------|-------------------------|
| X Bus racks | BMXXBP0400<br>BMXXBP0400H | 202.1 mm<br>(7.957 in)  | 214.8 mm<br>(8.457 in)  |
|             | BMXXBP0600<br>BMXXBP0600H | 267.5 mm<br>(10.531 in) | 280 mm<br>(11.023 in)   |
|             | BMXXBP0800<br>BMXXBP0800H | 332.5 mm<br>(13.091 in) | 345.2 mm<br>(13.591 in) |
|             | BMXXBP1200<br>BMXXBP1200H | 462.9 mm<br>(18.224 in) | 475.6 mm<br>(18.724 in) |

Mounting on Telequick mounting plate



- 1 Telequick plate
- 2 Clip-on nuts

**NOTE:** The two right side screws are accessible until there is no rack extender module installed

Image of product / Alternate images

Alternative

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