

### Main

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

### Complementary

Number of slots	8 bus X + Ethernet 4 bus X
Product compatibility	I/O module BMX processor Specific application module BMXCPS power supply BME processor
Power consumption in W	283 mW 3.3 V DC 3.9 W 24 V DC
Electrical connection	1 connector (XBE) expansion module
Fixing mode	By 4 M6 screws, mounting on plate By 4 screws - diameter: 4.32...6.35 mm, mounting on panel
Current consumption	164 mA at 24 V DC 86 mA at 3.3 V DC
MTBF reliability	1500000 H
Net weight	1.377 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 2014/30/EU - electromagnetic compatibility 2014/34/EU - ATEX directive

Product certifications	CE UL CSA RCM EAC Merchant Navy ATEX zone 2/22 IECEx zone 2/22
Standards	EN/IEC 61131-2 EN/IEC 61010-2-201 UL 61010-2-201 CSA C22.2 No 61010-2-201 IACS E10 EN/IEC 61000-6-5, interface type 1 and type 2 EN/IEC 61850-3, location G EN/IEC 60079-0
Environmental characteristic	Gas resistant class Gx conforming to ISA S71.04 Gas resistant class 3C4 conforming to IEC 60721-3-3 Dust resistant class 3S4 conforming to IEC 60721-3-3 Sand resistant class 3S4 conforming to IEC 60721-3-3 Salt resistant level 2 conforming to IEC 68252 Mold growth resistant class 3B2 conforming to IEC 60721-3-3 Fungal spore resistant class 3B2 conforming to IEC 60721-3-3 Hazardous location class I division 2
Protective treatment	Conformal coating

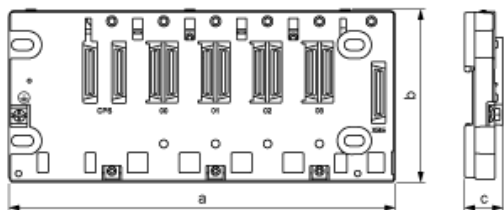
## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	1.412 kg
Package 1 Height	6.5 cm
Package 1 width	15.5 cm
Package 1 Length	58.5 cm
Unit Type of Package 2	S04
Number of Units in Package 2	8
Package 2 Weight	11.296 kg
Package 2 Height	30 cm
Package 2 width	40 cm
Package 2 Length	60 cm

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS declaration</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End of Life Information</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Dimensions



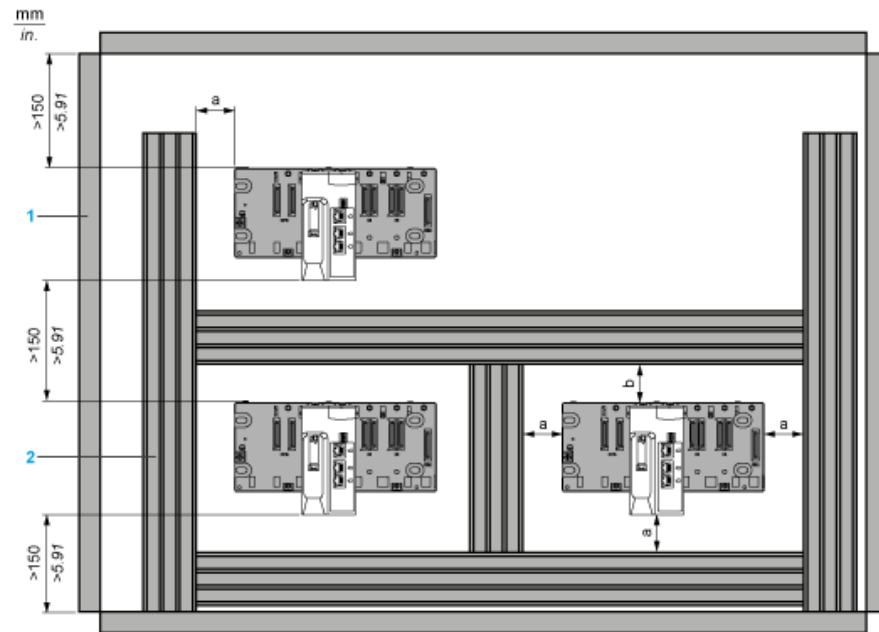
Dimensions in mm

a		b	c
Empty Rack	Rack With Extender Module Mounted		
503.2	504.38	105.11 NOTE: Overall height is 134.6 with a CPU mounted.	19

Dimensions in in.

a		b	c
Empty Rack	Rack With Extender Module Mounted		
19.81	19.85	4.14 NOTE: Overall height is 5.30 with a CPU mounted.	0.75

Minimum Clearance

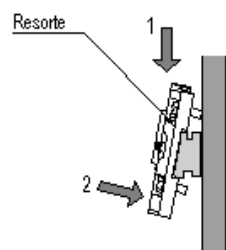


- 1 Installation or casing
- 2 Wiring duct or tray
- a Side and bottom clearance: > 60 mm (2.36 in.)
- b Top clearance: > 80 mm (3.15 in.)

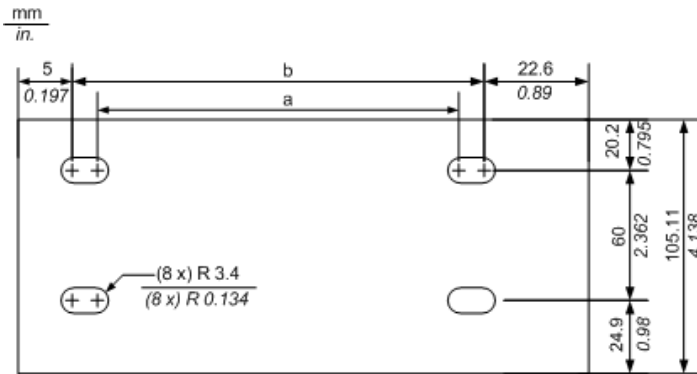
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## Mounting a Rack on a DIN rail

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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
462.9	475.6

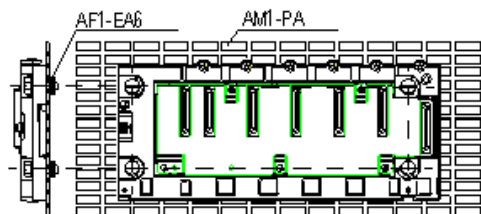
Dimensions in in.

a	b
18.22	18.72

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

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