

Product availability: Stock - Normally stocked in distribution facility



### Main

Range of Product	Modicon M580
Product or Component Type	Processor module

### Complementary

Number of racks	4
Discrete I/O processor capacity	2048 I/O
Analogue I/O processor capacity	512 I/O
Number of application specific channel	72
Application specific I/O	HART SSI encoder Motion control Serial link Accurate time stamping Counter
Checks	Process control
Control channels	Programmable loops
Integrated connection type	1 Ethernet TCP/IP service port 2 Ethernet TCP/IP device network USB type mini B
Number of distributed equipment	128
Communication module processor capacity	2 Ethernet communication module 8 AS-Interface module
Communication Service	DIO scanner
Memory description	Expandable flash, 4 GB data storage Integrated RAM, 10 kB system memory Integrated RAM, 8 MB program Integrated RAM, 768 kB data
Application structure	1 cyclic/periodic master task 64 event tasks 2 auxiliary tasks 1 periodic fast task
Number of instructions per ms	7.5 Kinst/ms 65 % Boolean + 35 % fixed arithmetic 10 Kinst/ms 100 % Boolean
Current consumption	270 mA 24 V DC

MTBF reliability	600000 H
Marking	CE
<b>Environment</b>	
Vibration resistance	3 gn
Shock resistance	30 gn
Ambient air temperature for operation	32...140 °F (0...60 °C)
Ambient Air Temperature for Storage	-40...185 °F (-40...85 °C)
Operating altitude	0...6561.68 ft (0...2000 m) 2000...5000 m with derating factor
Relative humidity	5...95 % 131 °F (55 °C) without condensation
IP Degree of Protection	IP20
Directives	2014/35/EU - low voltage directive 2014/30/EU - electromagnetic compatibility
Product certifications	CE UL CSA RCM EAC Merchant Navy
Standards	EN 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 EN/IEC 61850-3
Environmental characteristic	Hazardous location class I division 2
Supply	Internal power supply via rack
Status LED	Processor running (RUN) 1 LED Green) Processor or system fault (ERR) 1 LED Red) I/O module fault (I/O) 1 LED Red) Download in progress (DL) 1 LED Green) Memory card or CPU flash fault (BACKUP) 1 LED Red) ETH MS (Ethernet port configuration status) 1 LED green/red) Eth NS (Ethernet network status) 1 LED green/red)
Net Weight	1.87 Lb(US) (0.849 kg)

### Ordering and shipping details

Category	18161 - MODICON M580 CONTROLLERS HSBY
Discount Schedule	PC34
GTIN	3595864174419
Nbr. of units in pkg.	1
Package weight(Lbs)	31.57 Oz (895 g)
Returnability	Yes
Country of origin	FR

### Packing Units

Unit Type of Package 1	PCE
Package 1 Height	3.54 In (9 cm)
Package 1 width	6.97 In (17.7 cm)
Package 1 Length	9.84 In (25 cm)
Unit Type of Package 2	S03
Number of Units in Package 2	6
Package 2 Weight	12.57 Lb(US) (5.7 kg)
Package 2 Height	11.81 In (30 cm)

Package 2 width	11.81 In (30 cm)
Package 2 Length	15.75 In (40 cm)

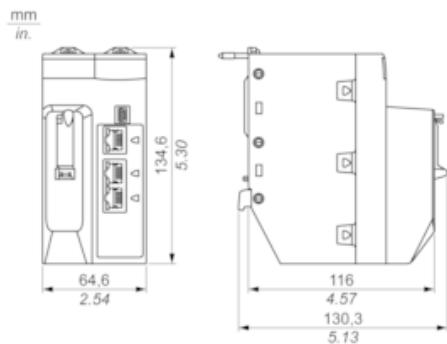
## Offer Sustainability

Sustainable offer status	Green Premium product
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>
REACH Regulation	 <a href="#">REACH Declaration</a>
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>
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.

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### CPU Module Only

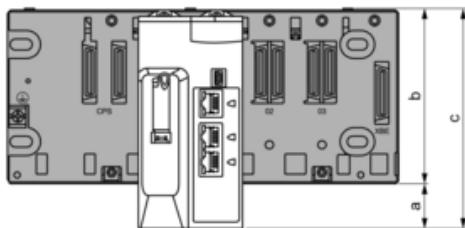
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### Modules Mounted on Racks

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a: additional space below the rack to accommodate the height of the CPU. For an X Bus rack, the value is 30.9 mm (1.217 in.); for an Ethernet rack, the value is 29.49 mm (1.161 in.).

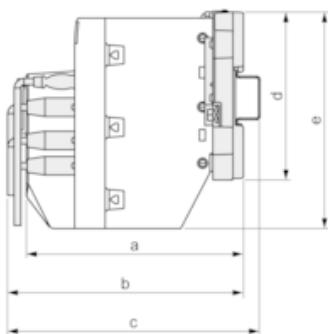
b: the height of the rack. For an X Bus rack, the height is 103.7 mm (4.083 in.); for an Ethernet rack, the height is 105.11 mm (4.138 in.).

c: the height of the main local rack, 134.6 mm (5.299 in.)

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### Modules and Cables Mounted in an Enclosure

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a: enclosure depth: 135 mm (5.315 in.)

b: wiring + module depth: > 146 mm (5.748 in.)

c: wiring + module + DIN rail depth: > 156 mm (6.142 in.)

d: rack height: for an X Bus rack 103.7 mm (4.083 in.); for an Ethernet rack, 105.11 mm (4.138 in.)

e: module height: 134.6 mm (5.299 in.)

Product Life Status :	Commercialised
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