

Schneider BME Series Service Manual

BMEH582040

1. Description

redundant processor, Modicon M580, 8MB, 61 Ethernet devices, 8 local racks, 8 remote IO racks [TAA]

3. Product Information

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BMEH582040

Main

Range of Product

Modicon M580

Product or Component Type

Redundant processor module

Complementary

Number of racks

1

Application specific I/O

Counter

Accurate time stamping

Serial link

HART

Motion control

SSI encoder

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

1 Ethernet HSBY port

Number of remote I/O station

8 - 2 X80 remote drop

Number of distributed equipment

64

Communication module processor capacity

2 Ethernet communication module

16 AS-Interface module

Communication Service

DIO scanner

RIO 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 periodic fast task

1 cyclic/periodic master task

Cybersecurity

Achilles certified

DoS prevention

IPSec

SNMP logging

Syslog protocol support

Transport layer security

Audit trail

Embedded firewall

Firmware signature

Password protection

Port hardening

Secure communication (HTTPS)

Security log

Number of instructions per ms

30 Kinst/ms 65 % Boolean + 35 % fixed arithmetic	
40 Kinst/ms 100 % Boolean	
Current consumption	
270 mA 24 V DC	
MTBF reliability	
650000 H	
Marking	
CE	
Environment	
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	
Supply	
Internal power supply via rack	
Status LED	
1 LED (Green) processor running (RUN)	
1 LED (Red) processor or system fault (ERR)	
1 LED (Red) I/O module fault (I/O)	
1 LED (Green) download in progress (DL)	
1 LED (Red) memory card or CPU flash fault (BACKUP)	
1 LED (green/red) ETH MS (Ethernet port configuration status)	
1 LED (green/red) Eth NS (Ethernet network status)	
1 LED (Green) peer processor running (REMOTE RUN)	
1 LED (Green) processor ID set to A (A)	
1 LED (Green) processor ID set to B (B)	
1 LED (Green) processor acting as Primary (PRIM)	
1 LED (Green) processor acting as Standby (STBY)	
1 LED (Green) I/O values overridden by user (FORCED IO)	
1 LED (Green) Hot standby link status (Hsby Diag)	
Net Weight	
1.872 lb(US) (0.849 kg)	
Ordering and shipping details	
Category	
US1PC3418161	
Discount Schedule	
PC34	
GTIN	
3606485439976	
Returnability	
Yes	
Country of origin	
FR	
Packing Units	
Unit Type of Package 1	

PCE

Nbr. of units in pkg.

1

Package 1 Height

3.46 in (8.800 cm)

Package 1 Width

7.01 in (17.800 cm)

Package 1 Length

9.84 in (25.000 cm)

Package weight(Lbs)

31.146 oz (883.000 g)

Unit Type of Package 2

S03

Number of Units in Package 2

6

Package 2 Height

11.81 in (30.000 cm)

Package 2 Width

11.81 in (30.000 cm)

Package 2 Length

15.75 in (40.000 cm)

Package 2 Weight

12.776 lb(US) (5.795 kg)

Unit Type of Package 3

P06

Number of Units in Package 3

48

Package 3 Height

29.53 in (75.000 cm)

Package 3 Width

23.62 in (60.000 cm)

Package 3 Length

31.50 in (80.000 cm)

Package 3 Weight

124.253 lb(US) (56.360 kg)