

Schneider BME Series Service Manual

BMEH584040C

1. Description

BMEH584040C Main

3. Product Information

BMEH584040C Main

Range of Product

Modicon M580

Product or Component Type

Redundant processor module

Impregnation material

Conformal coated

Complementary

Number of racks

1

Application specific I/O

Accurate time stamping

HART

Counter

SSI encoder

Serial link

Motion control

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

16 - 2 X80 and Quantum drops

Number of distributed equipment

64

Communication module processor capacity

8 AS-Interface module

16 Ethernet communication module

Communication Service

DIO scanner

RIO scanner

Memory description

Expandable flash, 4 GB data storage

Integrated RAM, 10 kB system memory

Integrated RAM, 16 MB program

Integrated RAM, 2048 kB data

Application structure

1 periodic fast task

1 cyclic/periodic master task

Number of instructions per ms

30 Kinst/ms 65 % Boolean + 35 % fixed arithmetic

40 Kinst/ms 100 % Boolean

Current consumption

360 mA 24 V DC

MTBF reliability

650000 H

Marking

CE

Environment

Vibration resistance

3 gn

Shock resistance

30 gn

Ambient Air Temperature for Operation

-13...140 °F (-25...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
2014/34/EU - ATEX directive
Product certifications
CE
UL
CSA
RCM
EAC
Merchant Navy
ATEX zone 2/22
IECEx zone 2/22
Standards
IEC 61131-2
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
IEC 60079-0
Environmental characteristic
Gas resistant class Gx ISA S71.04
Gas resistant class 3C4 IEC 60721-3-3
Dust resistant class 3S4 IEC 60721-3-3
Sand resistant class 3S4 IEC 60721-3-3
Salt resistant level 2 IEC 68252
Mold growth resistant class 3B2 IEC 60721-3-3
Fungal spore resistant class 3B2 IEC 60721-3-3
Hazardous location class I division 2
Protective treatment
Conformal coating
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

3606485440002

Returnability

No

Country of origin

FR

Packing Units

Unit Type of Package 1

PCE

Nbr. of units in pkg.

1

Package 1 Height

3.43 in (8.700 cm)

Package 1 Width

7.09 in (18.000 cm)

Package 1 Length

9.96 in (25.300 cm)

Package weight(Lbs)

31.358 oz (889.000 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

12.890 lb(US) (5.847 kg)