

# Schneider Electric BMEH584040S

Model: BMEH584040S

Brand: Schneider Electric

Series: Modicon M580

Modicon M580 Redundant Hot Standby Safety CPU, Level 4, SIL3

## —— Hardware ——

Processor: ARM dual-core (redundant Hot Standby)

Clock speed: 600 MHz

Program memory: 16 MB integrated RAM

Data memory: 768 KB data memory

Programming software: EcoStruxure Machine Expert (Unity Pro XL)

Performance level: Level 4

Safety integrity: SIL3 / IEC 61508

Architecture: Redundant Hot Standby (HSBY)

## —— I/O Capacity ——

Remote I/O racks: 16 remote I/O racks (X80 & Quantum I/O)

Distributed devices (DIO): 61 distributed devices

Compatible racks: 4, 6, 8, 12 slots (X80 Ethernet backplane)

Slot occupation: 2 slots

## —— Communication ——

Built-in ports: 1 × Ethernet service port (RJ45), 2 × Ethernet RIO/DIO ports (RJ45), 1 × USB Mini-B

Protocols: Modbus TCP/IP, EtherNet/IP, PROFI-safe (over PROFINET)

Communication expansion: X80 backplane communication modules (BMENOC03xx Ethernet/IP, BMENOS0300 serial, BMENOR2200 RIO, BMENUA0100 universal automation)

## —— Electrical ——

Supply voltage: 24 V DC (19.2-31.2 V DC via backplane)

Power consumption: 8.0 W

Bus current: 330 mA @ 24 V DC

## —— Environmental ——

Operating temperature: 0° C to +60° C

Storage temperature: -25° C to +70° C

Relative humidity: 5% to 95% (non-condensing)

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Protection rating: IP20

Coating: Conformal coated

—— Physical ——

Dimensions (H×W×D): 100 × 56 × 93 mm

Weight: 0.849 kg

SD card: 4 GB optional (BMXRMS004GPF)

—— Lifecycle ——

Lifecycle: Active (current flagship ePAC platform, introduced 2014, replaces Quantum/Premium)

(Last verified: 2026-09)



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