Product data sheet
Characteristics

BMEP583020
processor module M580 - Level 3 - Distributed

Main

Range of product	Modicon M580
Product or component type	Processor module
Supply	Internal power supply via rack

Complementary

Number of racks	8
Local I/O processor capacity (discrete)	3072 I/O
Local I/O processor capacity (analog)	768 I/O
Number of application specific channel (local rack)	108
Application specific I/O	Accurate time stamping Counter Serial link Motion control HART SSI encoder
Checks	Process control
Control channels	Programmable loops
Integrated connection type	USB type mini B 1 Ethernet TCP/IP service port 2 Ethernet TCP/IP device network
Number of distributed equipment	128
Communication module processor capacity	8 AS-Interface module 3 Ethernet communication module
Communication service	DIO scanner
Memory description	Expandable flash 4 GB data storage Integrated RAM 10 kB system memory Integrated RAM 12 MB program Integrated RAM 1024 kB data
Application structure	1 cyclic/periodic master task 1 periodic fast task 128 event tasks 2 auxiliary tasks

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Number of instructions per ms	20 Kinst/ms 100 % Boolean 15 Kinst/ms 65 % Boolean + 35 % fixed arithmetic
Current consumption	295 mA 24 V DC
MTBF reliability	600000 H
Marking	CE
Status LED	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 processor running (RUN) 1 LED red I/O module fault (I/O) 1 LED red processor or system fault (ERR)
Product weight	0.849 kg

Environment

Vibration resistance	3 gn
Shock resistance	30 gn
Ambient air temperature for operation	0...60 °C
Ambient air temperature for storage	-40...85 °C
Operating altitude	0...2000 m 2000...5000 m (with derating factor)
Relative humidity	5...95 % 55 °C conforming to without condensation
IP degree of protection	IP20
Directives	2012/19/EU - WEEE directive 2014/30/EU - electromagnetic compatibility 2014/35/EU - low voltage directive
Standards	EN 61000-6-2 EN 61000-6-4 EN 61131-2 EN 61010-2-201
Product certifications	CE CSA UL RCM Merchant Navy EAC

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1623 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available