



Main

Range of product	Modicon M580
Product or component type	Communication module
Product compatibility	Ethernet + X-bus rack

Complementary

Integrated connection type	1 Ethernet, connector type: RJ45, transmission rate: 1 Gbit/s, transmission mode: double shielded twisted pair 1 Ethernet, transmission rate: 100 Mbit/s
Web server	For configuration
Transmission support medium	Ethernet backplane
Communication service	OPC UA server Modbus TCP messaging SNMP network management NTP time synchronization Embedded router OPC UA client
Cybersecurity	Role-based access control System hardening Secure communication (HTTPS) Achilles certified Syslog protocol support Transport layer security IPSec SNMP logging Certificate based authentication
Port Ethernet	10/100/1000 BASE-TX
Supply	Internal power supply via rack
Protective treatment	Conformal coating
Marking	CE CSA
Module format	Standard
Current consumption	<= 140 mA at 24 V DC
Length	86.05 mm
Width	32 mm
Height	131 mm
Net weight	0.4 kg

Environment

Ambient air temperature for operation	-25...70 °C
Relative humidity	5...95 % at 55 °C
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[RETURN]UL[RETURN]CSA[RETURN]RCM[RETURN]EAC[RETURN]Merchant Navy[RETURN]ATEX zone 2/22[RETURN]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 IEC 61000-6-5, interface type 1 and type 2 IEC 61850-3, location G IEC 60079-0
Environmental characteristic	Gas resistant class Gx conforming to ISA S71.04 Gas resistant class 3C4 conforming to IEC 60721-3-3 Dust resistant class 3S4 conforming to IEC 60721-3-3 Sand resistant class 3S4 conforming to IEC 60721-3-3 Salt resistant level 2 conforming to IEC 68252 Mold growth resistant class 3B2 conforming to IEC 60721-3-3 Fungal spore resistant class 3B2 conforming to IEC 60721-3-3 Hazardous location class I division 2
Local signalling	1 LED (green) for processor running (RUN) 1 LED (red) for processor or system fault (ERR) 1 LED (green/red) for ETH MS (Ethernet port configuration status) 1 LED (green/red) for Eth NS (Ethernet network status) 1 LED (green/red) for status (STS) 1 LED (yellow) for communication data bus

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	9.4 cm
Package 1 Width	17.3 cm
Package 1 Length	21.7 cm
Package 1 Weight	270.0 g

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	 REACH Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Mercury free	Yes
China RoHS Regulation	 China RoHS Declaration
RoHS exemption information	 Yes
Environmental Disclosure	 Product Environmental Profile
Circularity Profile	 End Of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Dimensions

