## **Product datasheet**

Specifications



# Communication module, Modicon M580, IEC 61850, coated

BMENOP0300C

#### Main

Range of product	Modicon M580	
Product or component type	Communication module	

### Complementary

Complementaly		
Product compatibility	M580 PAC	
Physical interface	3 Ethernet 10/100BASE-TX	
Transmission support medium	ethernet cable	
Transmission rate	10 Mbit/s 100 Mbit/s	
Communication service	MMS messaging client for IEC 61850 MMS messaging server for IEC 61850 Goose for IEC 61850 Modbus TCP messaging RSTP support IP forwarding	
Current consumption	1250 mA at 3.3 V DC internal	
Module format	Standard	
Net weight	0.24 kg	

### Environment

Ambient air temperature for operation	060 °C	
Ambient air temperature for storage	-4085 °C	
Relative humidity	095 % without condensation	
Operating altitude	<= 2000 m	
Protective treatment	Conformal coating	
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	EN/IEC 61131-2 EN/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 EN/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

## **Packing Units**

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	5.500 cm
Package 1 Width	11.100 cm
Package 1 Length	11.600 cm
Package 1 Weight	265.000 g
Unit Type of Package 2	S02
Number of Units in Package 2	5
Package 2 Height	15.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	1.659 kg

### 🜔 Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

#### Environmental Data explained >

How we assess product sustainability >

## Environmental footprint Carbon footprint (kg.eq.CO2 per CR, Total Life cycle) 203

Environmental Disclosure

Product Environmental Profile

#### **Use Better**

Materials and Substances		
Packaging made with recycled cardboard	Yes	
Packaging without single use plastic	No	
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)	
REACh Regulation	REACh Declaration	

#### Use Again

$\circlearrowright$ Repack and remanufacture		
Circularity Profile	End of Life Information	
Take-back	No	
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins	