

Product data sheet

Specifications



Remote IO, EcoStruxure Automation Expert, Modicon X80 adapter for dPAC, Ethernet, conformal coated

BMECRD0100C

Main

Range of product	EcoStruxure Automation Expert
Product or component type	DPAC module
Device application	X80 Ethernet RIO drop adaptor
Product specific application	For remote I/O modules
Condition of use	SoftdPAC required
Protective treatment	Conformal coating

Complementary

Bus type	Bus X across the remote backplane Ethernet across the remote backplane
Product compatibility	0...1024 discrete channel 0...256 analog channel HART module
Integrated connection type	1 Ethernet TCP/IP for service or distributed equipment 2 Ethernet TCP/IP for Ethernet RIO Network (RSTP)
Transmission rate	10/100 Mbit/s
Port Ethernet	10/100BASE-TX
Communication network type	IPv4 (internet protocol) IPv6 (internet protocol)
Communication port protocol	EtherNet/IP
Communication service	Ethernet/IP adapter RSTP (Ring topology support) Ethernet RIO network Quality of Service (QoS) DHCP client TFTP client FTP client FDR client NTP client
Cybersecurity	Firmware signature
Exchange mode	Half duplex, full duplex, autonegotiation, auto MDIX
Function available	Input data is collected and published to the remote I/O head adaptor Output modules are updated with the data received from remote I/O head adaptor System time stamping I/O extension rack
Topology	Ring
Local signalling	1 LED (green) for module active (RUN) 1 LED (red) for I/O error (I/O) 1 LED (green/red) for module status (Mod Status) 1 LED (green/red) for network communication status (Net Status) 1 LED (green) for download in progress (DL) 1 LED (green/red) for cyber security (SEC)

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

Current consumption	295 mA
Input voltage	24 V DC
Module format	Double
fixing mode	By screws
Mounting mode	Rack-mounted
Width	64 mm
Height	131 mm
Depth	131 mm
Product weight	0.849 kg

Environment

Marking	CE
Directives	2014/35/EU - low voltage directive 2014/30/EU - electromagnetic compatibility 2014/34/EU - ATEX directive
Product certifications	CE UKCA RCM CULus EAC Merchant Navy Hazardous location class 1, division 2 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 UL 121201 CSA C22.2 No 213
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
IP degree of protection	IP20
Ambient air temperature for operation	0...60 °C
Ambient air temperature for storage	-40...85 °C
Operating altitude	0...2000 m
Relative humidity	5...95 % without condensation

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	8.8 cm
Package 1 Width	17.3 cm
Package 1 Length	25 cm

Package 1 Weight	871.0 g
Unit Type of Package 2	S03
Number of Units in Package 2	12
Package 2 Height	30 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	10.893 kg

Contractual warranty

Warranty (in months)	18
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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

Total lifecycle Carbon footprint	245 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	64 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.1 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	181 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	0.4 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile

Use Better



Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
SCIP Number	4eb70ab0-978b-4773-a441-0cc20d6144a1
EU RoHS Directive	Compliant By Exemption
REACH Regulation	Reference contains Substances of Very High Concern above the threshold

Use Longer



Lifetime extension

Repair	No
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Use Again



Repack and remanufacture

End of life manual availability	End of Life Information
Take-back	No

Dimensions Drawings

Dimensions

dPAC Module

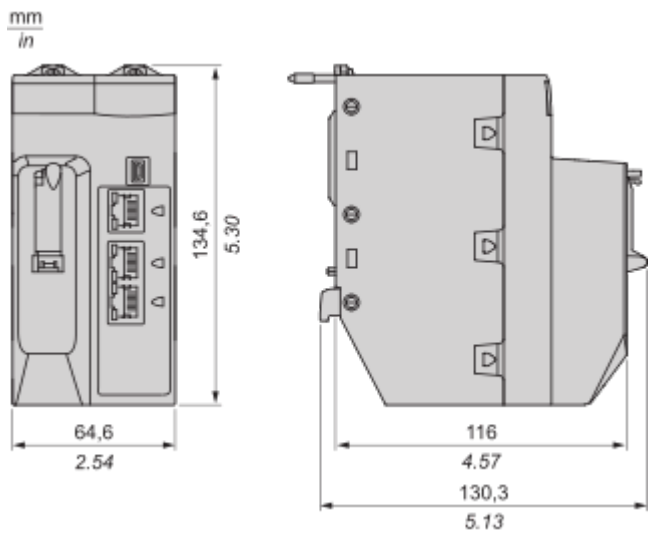


Image of product / Alternate images

Alternative



