# 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<br>Ethernet across the remote backplane |
| **Product compatibility** | 0…1024 discrete channel<br>0…256 analog channel<br>HART module |
| **Integrated connection type** | 1 Ethernet TCP/IP for service or distributed equipment<br>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)<br>IPv6 (internet protocol) |
| **Communication port protocol** | EtherNet/IP |
| **Communication service** | Ethernet/IP adapter<br>RSTP (Ring topology support)<br>Ethernet RIO network<br>Quality of Service (QoS)<br>DHCP client<br>TFTP client<br>FTP client<br>FDR client<br>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<br>Output modules are updated with the data received from remote I/O head adaptor<br>System time stamping<br>I/O extension rack |
| **Topology** | Ring |
| **Local signalling** | 1 LED (green) for module active (RUN)<br>1 LED (red) for I/O error (I/O)<br>1 LED (green/red) for module status (Mod Status)<br>1 LED (green/red) for network communication status (Net Status)<br>1 LED (green) for download in progress (DL)<br>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<br>2014/30/EU - electromagnetic compatibility<br>2014/34/EU - ATEX directive |
| **Product certifications** | CE<br>UKCA<br>RCM<br>CULus<br>EAC<br>Merchant Navy<br>Hazardous location class 1, division 2<br>ATEX zone 2/22<br>IECEx zone 2/22 |
| **Standards** | EN/IEC 61131-2<br>EN/IEC 61010-2-201<br>UL 61010-2-201<br>CSA C22.2 No 61010-2-201<br>IACS E10<br>EN/IEC 61000-6-5, interface type 1 and type 2<br>EN/IEC 61850-3, location G<br>EN/IEC 60079-0<br>UL 121201<br>CSA C22.2 No 213 |
| **Environmental characteristic** | Gas resistant class Gx conforming to ISA S71.04<br>Gas resistant class 3C4 conforming to IEC 60721-3-3<br>Dust resistant class 3S4 conforming to IEC 60721-3-3<br>Sand resistant class 3S4 conforming to IEC 60721-3-3<br>Salt resistant level 2 conforming to IEC 68252<br>Mold growth resistant class 3B2 conforming to IEC 60721-3-3<br>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 |

## 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 |
| 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) |
| SCIP Number | 4eb70ab0-978b-4773-a441-0cc20d6144a1 |
| REACh Regulation | REACh Declaration |

## Use Again

### Repack and remanufacture

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

Dimensions Drawings

## Dimensions

### dPAC Module

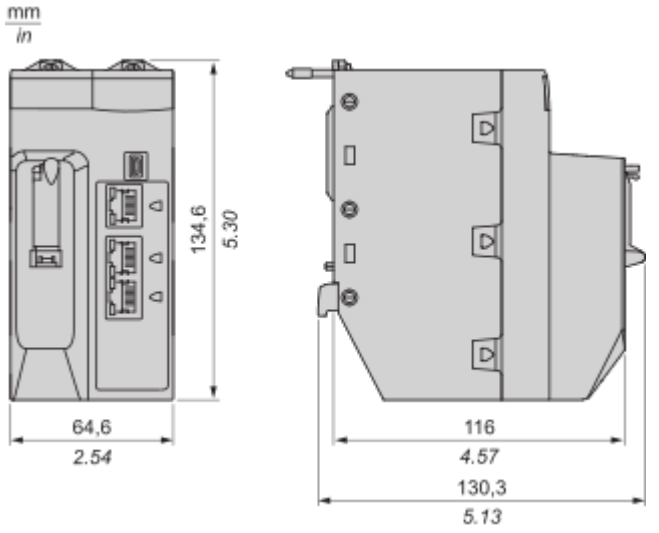
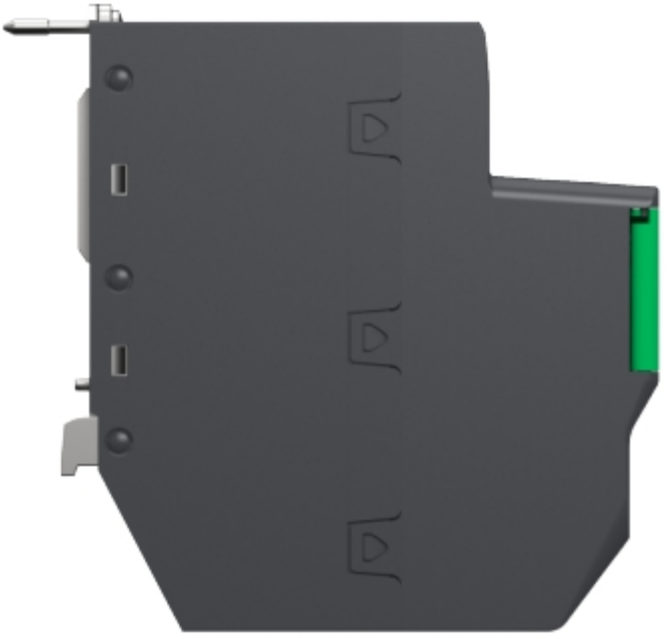


Image of product / Alternate images

**Alternative**



CRD
01
Service
02
Dual port
03