# DATASHEET - DX-NET-ETHERCAT-2

**2-port EtherCAT communication module for DA1 variable frequency drives**

**Part no.** **DX-NET-ETHERCAT-2**
**169127**

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| **General specifications** | |
| Product name | Eaton DX Communication module |
| Part no. | DX-NET-ETHERCAT-2 |
| EAN | 4015081656073 |
| Product Length/Depth | 51.8 millimetre |
| Product height | 22.3 millimetre |
| Product width | 50.1 millimetre |
| Product weight | 0.03 kilogram |
| Compliances | CE |
| Product Tradename | DX |
| Product Type | Accessory |
| Product Sub Type | Communication module |
| Catalog Notes | 2 x RJ45, 8 pole |
| **General information** | |
| Accessory/spare part type | Communication module |
| Product Category | Accessories |
| Used with | DA1 |
| **Climatic environmental conditions** | |
| Ambient operating temperature - max | 50 °C |
| Ambient operating temperature - min | -10 °C |
| **Connection** | |
| Connection type | Plug-in connection |
| **Communication** | |
| Protocol | EtherCAT |
| **Design verification** | |
| 10.2.2 Corrosion resistance | Meets the product standard's requirements. |
| 10.2.3.1 Verification of thermal stability of enclosures | Meets the product standard's requirements. |
| 10.2.3.2 Verification of resistance of insulating materials to normal heat | Meets the product standard's requirements. |
| 10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects | Meets the product standard's requirements. |
| 10.2.4 Resistance to ultra-violet (UV) radiation | Meets the product standard's requirements. |
| 10.2.5 Lifting | Does not apply, since the entire switchgear needs to be evaluated. |
| 10.2.6 Mechanical impact | Does not apply, since the entire switchgear needs to be evaluated. |
| 10.2.7 Inscriptions | Meets the product standard's requirements. |
| 10.3 Degree of protection of assemblies | Does not apply, since the entire switchgear needs to be evaluated. |
| 10.4 Clearances and creepage distances | Meets the product standard's requirements. |
| 10.5 Protection against electric shock | Does not apply, since the entire switchgear needs to be evaluated. |
| 10.6 Incorporation of switching devices and components | Does not apply, since the entire switchgear needs to be evaluated. |
| 10.7 Internal electrical circuits and connections | Is the panel builder's responsibility. |
| 10.8 Connections for external conductors | Is the panel builder's responsibility. |
| 10.9.2 Power-frequency electric strength | Is the panel builder's responsibility. |
| 10.9.3 Impulse withstand voltage | Is the panel builder's responsibility. |
| 10.9.4 Testing of enclosures made of insulating material | Is the panel builder's responsibility. |
| 10.10 Temperature rise | The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices. |
| 10.11 Short-circuit rating | Is the panel builder's responsibility. The specifications for the switchgear must be observed. |
| 10.12 Electromagnetic compatibility | Is the panel builder's responsibility. The specifications for the switchgear must be observed. |

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| 10.13 Mechanical function | | | The device meets the requirements, provided the information in the instruction leaflet (IL) is observed. |

## Technical data ETIM 9.0

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| Low-voltage industrial components (EG000017) / Accessories/spare parts for frequency controller (EC002025) | | | |
| Electric engineering, automation, process control engineering / Electrical drive / Static frequency converter / Static frequency converter (accessories) (ecl@ss13-27-02-31-92 [AFR303008]) | | | |
| Type of accessory/spare part | | | Communication module |
| Accessory | | | Yes |
| Spare part | | | No |


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