

ET 200S - Interface modules with DeviceNet



Overview

- Interface module for connecting the ET 200S® to a DeviceNet network
- Handles all data exchange with the DeviceNet scanner module
- Includes Power Module with Terminal Module
- Supports Explicit messaging connection
- Supports Poll, Strobe, Cyclic, and Change of State I/O connections
- Supports Fragmented I/O (max. 128 bytes input and 128 bytes output)
- Supports Fragmented Explicit Messaging
- Supports device Shutdown messages
- Supports device Heartbeat messages
- Supports all standard DeviceNet data rates: 125K / 250K / 500K baud.
- Supports up to 63 expansion modules per DeviceNet adapter module
- Data rate and Node Address (MAC ID) configured via DIP switch
- Visual diagnostics via LEDs

Technical specifications

| Technical Specifications | DNH200S |
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| Transmission protocol | DeviceNet |
| Data transfer rate (Max. cable length) | 125 (500M max.) / 250 (250M max.) / 500 (100M Max.) kbit/s |

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| Maximum I/O modules | | 63 total |
| Input Voltage | (Module) | 24 VDC (Class 2 power supply) |
| | (Load) | 24 VDC (Class 2 power supply) |
| Current Consumption | | |
| <ul style="list-style-type: none"> From input voltage – total (interface module + 63 I/O modules) | | 250 mA max. at 24 VDC. |
| <ul style="list-style-type: none"> From input voltage – Interface module only | | 125 mA max. at 24 VDC |
| <ul style="list-style-type: none"> From the backplane bus (total for all bus modules) | | 0.7 A max. at 3.5 V |
| Power module included (TM-P 15C23-A0 terminal module also included) | | PM-E DC24V..48V / AC24V..230V (6ES7138-4CB11-0AB0) |
| <ul style="list-style-type: none"> Rated load voltage | | 24 – 56.7 VDC 24 – 230 VAC |
| <ul style="list-style-type: none"> Over voltage protection | | Yes |
| <ul style="list-style-type: none"> Maximum current carrying capacity | | 10 A |
| <ul style="list-style-type: none"> - For 24 – 48 VDC | | Up to 30°: 10 A max. Up to 40°: 9 A max. Up to 60°: 7 A max. |
| <ul style="list-style-type: none"> - For 24 – 230 VAC | | Up to 30°: 8 A max. Up to 40°: 7 A max. Up to 60°: 5 A max. |
| <ul style="list-style-type: none"> Short circuit protection | | Yes, IEC 127-2/1, 250 V, 10 A, fast blow fuse (5 x 20 mm), replaceable |
| Reverse polarity protection | | Yes |
| Degree of protection | | IP20 |
| Ambient temperature | | |
| <ul style="list-style-type: none"> • Operation | | 0°C to +60 °C |
| <ul style="list-style-type: none"> • Storage | | -40°C to +70 °C |
| Dimensions (W x H x D) in mm | | 45 x 119.5 x 75 |
| Standards, Certificates, Approvals | | IEC 1131, CE, UL (508), cULus, FM (Class I, Div. 2, Group A, B, C, D), ODVA Compliance |

