



### Features

- 16-Channel Motionnet® Digital I/O slave modules
- Max. 20Mbps transfer rate
- Easy installation with RJ45 phone jack and LED diagnosis
- Pluggable terminal block with spring plug connectors
- DIN rail mounting (L-75 x W-69 x H-41 mm)

### Specifications

|                         |   |
|-------------------------|---|
| Serial interface        | Half duplex RS-485 with transformer isolation   |
| Cable type              | CAT5 UTP/STP Ethernet cable                     |
| Surge protection        | 10KV  |
| Transmission speed      | 2.5Mbps, 5Mbps, 10Mbps and 20Mbps               |
| I/O isolation voltage   | 3750Vrms  |
| Input impedance         | 5.6KΩ/0.5W                                      |
| Input current           | ±5mA (Max.)                                     |
| Output types            | NPN open collector darlington transistors       |
| Switch capacity         | Each output Ch. is 100mA at 24VDC               |
| Response time           | On to Off, about 50μs;<br>Off to On, about 10μs |
| Over current protection | 1A (Max.) for each port (8-Ch.)                 |
| Power input             | 24VDC±10%                                       |
| Power consumption       | 1.5W typical                                    |
| Working temperature     | 0 to 60°C                                       |

### I/O connector

| CN4 |    | CN5 |    | CN6 |    | CN7 |    |
|-----|----|-----|----|-----|----|-----|----|
| 00  | 01 | 04  | 01 | I0  | 01 | I4  | 01 |
| 24V | 02 | 24V | 02 | GND | 02 | GND | 02 |
| 01  | 03 | 05  | 03 | I1  | 03 | I5  | 03 |
| 24V | 04 | 24V | 04 | GND | 04 | GND | 04 |
| 02  | 05 | 06  | 05 | I2  | 05 | I6  | 05 |
| 24V | 06 | 24V | 06 | GND | 06 | GND | 06 |
| 03  | 07 | 07  | 07 | I3  | 07 | I7  | 07 |
| 24V | 08 | 24V | 08 | GND | 08 | GND | 08 |

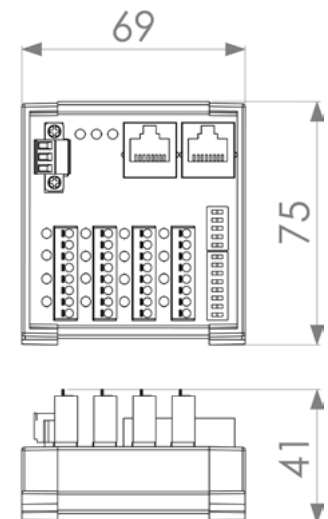
### Ordering Information

|                                  |  |
|----------------------------------|--|
| 106-D520-NXT                     | 16-Ch. Digital input                       |
| 106-D511-NNT                     | 8-Ch. Digital input / 8-Ch. Digital output |
| 106-D502-XNT                     | 16-Ch. Digital output                      |
| SCB-1BB-06A/10A /20A/30A/50A/A0A | CAT5 LAN cable, 0.6M/1M/2M/3M/5M/10M       |

### Software Supporting

|                              |   |
|------------------------------|---|
| Windows 2000/XP/7 WDM driver | Support Visual C/C++ , C# , Microsoft .NET Framework programming on Windows 2000/XP/7 platform with DLL |
| Motionnet® utility           | MyLink for diagnosis of Motionnet® slave devices  |

### Dimensions and Drawing



Unit:mm