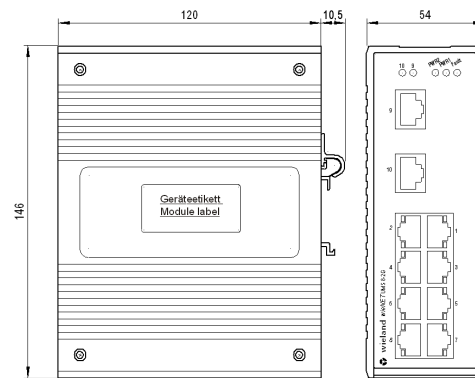


wieNET UMS 8-2G

wieNET UMS 8-2G
 Industrial Ethernet Switch
 10-port, unmanaged
 83.040.0103.0

- 10 Port Gigabit / Fast Ethernet Switch
- 2 x 1000Mbd + 8 x 10/100Mbd Ports
- Auto negotiation
- Auto sensing
- Auto crossing (Auto-MDI(X))
- Redundant power supply possible
- Supply voltage range 12 V . . . 48 V DC
- Relay contact signals redundant supply fault



Dimension diagram wieNET UMS 8-2G

Technical Data

| wieNET UMS 8-2G | Order No. | 83.040.0103.0 |
|---|-----------------------------------|---------------|
| Ethernet | | |
| Gigabit Ethernet ports | 2 x 1000Base-TX | |
| Ethernet / Fast Ethernet ports | 8 x 10/100Base-TX | |
| Ethernet transfer rate | 10/100 Mbps | |
| Ethernet connectors | 10 x RJ45 | |
| Auto negotiation | yes | |
| Auto sensing | yes | |
| Auto crossing (MDI / MDI-X) | yes | |
| Communication | Full duplex / half duplex | |
| Ethernet standard | IEEE 802.3 / 802.3u / 802.3x | |
| Fast Ethernet cable length (Twisted Pair) | 100 m max. (Cat. 5 / Cat. 5e UTP) | |
| Ethernet cable length 100BASE-TX | 100 m max. (Cat. 5 UTP) | |
| Ethernet cable length 10BASE-T | 100 m max. (Cat. 3, 4, 5) | |
| Switching mode | Store-and-forward switching mode | |
| Topology | Line, star, mesh | |
| Power supply | | |
| Redundant power supply | yes (P1, P2) | |
| Supply voltage range | 12 . . . 48 V DC | |
| Connectors | 1x 7-pin terminal block | |
| Power consumption | 9.5 W max. | |
| Input current (at 24 V DC) | 360 mA | |
| Input current max. | 1.2 A | |
| Ambient conditions | | |
| Operating ambient temperature | -40 °C . . . +70 °C | |
| Humidity in operation | 5 . . . 95 %RH (non-condensing) | |
| Storage temperature | -40 °C . . . +85 °C | |
| Mounting on | DIN rail 35 mm (EN60715) | |
| Degree of protection | IP40 | |
| MTBF (hours) | 201,976 h | |

wieNET UMS 8-2G

Technical Data

| | | | | | |
|--|------------------|--|---|-----------|--|
| wieNET UMS 8-2G | | Order No. | 83.040.0103.0 | | |
| Relay contact | | NC (opens when either PWR1 or PWR2 is missing) | | | |
| Current carrying capacity | | 1 A at 24 V | | | |
| Dimensions | | | | | |
| W x H x D (see Dimension diagram) | | 54 mm x 146 mm x 120 mm | | | |
| Weight | | approx. 1,000 g | | | |
| Housing material | | Aluminum | | | |
| Shock and Vibration | | | | | |
| Shock | | MIL-STD-810F Impact acceleration & pulse duration, 40 g @ 11 ms | | | |
| Vibration | | MIL-STD-810F - - Packed waveform: x: 2.4 Grms / y: 1.28 Grms / Z: 3.85.Grms - Operating Random waveform: x: 0.740 Grms / y: 0.204 Grms / Z: 0.104 Grms | | | |
| Connectors cross section | | | | | |
| min. | solid / stranded | 0.2 mm ² | (AWG28) | | |
| max. | solid / stranded | 1.5 mm ² | (AWG12) | | |
| Strip length | | 7 mm | | | |
| Torque | | 0.4 Nm max. | | | |
| Approvals and Standards | | | | | |
| EMC | | Emission: EN55022, EN61000-3-2, EN61000-3-3, FCC Part 15 Class A, ICES-003 Class A, ANSI C63.4 Immunity: EN61000-4-2, EN6000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN6000-4-8, EN61000-4-11 | | | |
| Safety | | cULus (UL 60950-1; CSA C22.2 No. 60950-1) | | | |
| Rail traffic | | EN50155, EN50121-3-2, EN50121-4 | | | |
| Display Elements | | | | | |
| PWR1, PWR2 (Power input state) | | LED, green | green = power input 1/2 connected and supplied off = power input 1/2 disconnected or unsupplied | | |
| Fault | | LED, red | red = "Power inputs fault": one of the two power inputs is not connected/not supplied. off = both power inputs are connected and supplied (redundant supply) | | |
| Power 1 | Power 2 | PWR1 LED | PWR2 LED | Fault LED | |
| 0 | 0 | off | off | off | |
| 0 | 1 | off | green | red | |
| 1 | 0 | green | off | red | |
| 1 | 1 | green | green | off | |
| RJ45-LED (Ports 1 . . . 8) | | LED green: off: link broken or no cable plugged blink: data transfer LED yellow: off: 10 M bit rate active on: 100 M bit rate active | | | |
| Gigabit LED (Ports 9 . . . 10) | | LED green: green: link up blink: transmitting / receiving data | | | |
| Terminal connections | | | | | |
| 1 . . . 8 (Ethernet / Fast Ethernet ports) | | 8 x Ethernet (RJ45) | | | |
| 9 . . . 10 (Gigabit Ethernet ports) | | 2 x Ethernet (RJ45) | | | |
| PWR1, PWR2 (Redundant power supply) | | F.G. | Frame Ground | | |
| | | V+ | Supply voltage, positive terminal (9 V . . . 55 V DC) | | |
| | | V- | Supply voltage, negative terminal (0 V) | | |
| Relay | | Relay contact (N.C.) Relay contact is open when both PWR1 and PWR 2 are connected and supplied | | | |