**KY-ESC0802-M12 / DYMEC M12 Series**

**10 Port M12 Industrial Unmanaged Gigabit Ethernet Switch**



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|  | * **Certified EN50155**
* **8x 10/100T(x) M12 connector**
* **2x 10/100/1000T(x) M12 connector with bypass function**
* **Built for harsh environments and wide temperature range application**
* **IP54 housing**
* **Ruggedized**
* **Surge Protected**
* **Low Cost**
* **SECURE**

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| **Specifications** |

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| **Technology** |
| **Standards** | IEEE 802.3 10BaseTIEEE 802.3u 100BaseTXIEEE 802.3ab 1000BaseT |
| **Processing Type** | Store and Forward |
| **Switch Properties** |
| **Priority Queues** | - |
| **Jumbo Frame** | 12000bytes |
| **MAC Table Size** | 16K |
| **Packet Buffer** | 12Mbits |
| **Interface** |
| **Network Connector** | 8 x 10/100T(x) M12 Female D-coded 4-pole, 2 x 10/100/1000T(x) M12 Female X-coded 8-pole, auto negotiation speed duplex mode, auto MDI/MDI-X |
| **LED Indicators** | **Per unit:** PWR1, PWR2, Status**Ports:** Link/Active with highest speed (Green), low speed (Amber) |
| **Power Requirements** |
| **Operation Voltage** | LV: 24-48VDC, HV: 72-110VDC, redundant dual inputs |
| **Connection** | M12 Male S-coded 4-pole |
| **Power Consumption** | <15 Watts |
| **Protection** | Overload Current Protected, Reverse Polarity Protected |
| **Mechanical Construction** |
| **Enclosure** | SECC |
| **Protection Class** | IP54 |
| **Dimensions** | 143 x 209 x 77 mm (W x H x D) |
| **Weight** | 1.20 kg |
| **Mounting** | Wall Mounting Kits, Optional DIN-Rail Mounting |
| **Environmental Limits** |
| **Operating Temperature** | Extended: -40°C ~ 85°C (40°F ~ 176°F) |
| **Storage Temperature** | -40°C ~ 85°C (40°F ~ 185°F) |
| **Ambient Relative Humidity** | 5 to 95%, (Non-Condensing) |
| **Regulatory Approvals** |
| **EMI** | FCC Part 15 Subpart B Class ACE EN 55032 Class A |
| **EMS** | IEC61000-4-2 (ESD)IEC61000-4-3 (RS)IEC61000-4-4 (EFT)IEC61000-4-5 (Surge)IEC61000-4-6 (CS)IEC61000-4-8 (Magnetic Field) |
| **Free Fall** | IEC60068-2-32 |
| **Shock** | IEC61373 |
| **Vibration** | IEC61373 |
| **Green** | RoHS Compliant |
| **Certifications** | EN 50155EN 45545-2 |
| **MTBF** | >100,000 Hours |
| **Warranty** | 5 Years / Limited Lifetime |

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|  **Note from DYMEC Development** **In a continuing effort of improvement and updated technology, product specifications are subject to change without notice.** |
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|  **Dimensions (unit = mm)** |
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|  **Ordering Information** |
| **KY-ESC0802-M12-LV-T** | 10 Port M12 Industrial Unmanaged Gigabit Ethernet Switch - 8x 10/100T(x) + 2x 10/100/1000T(x) M12 connectors - Power Input: 24-48VDC - Operating Temperature: -40°C ~ 85°C (40°F ~ 176°F) |
| **KY-ESC0802-M12-HV-T** | 10 Port M12 Industrial Unmanaged Gigabit Ethernet Switch - 8x 10/100T(x) + 2x 10/100/1000T(x) M12 connectors - Power Input: 72-110VDC - Operating Temperature: -40°C ~ 85°C (40°F ~ 176°F) |

