HES5A-Z Series

5/8-port Din-rail Unmanaged Ethernet Switches

Features:

- Up to 5 × 10/100BaseT(X) (RJ45 connector)
- 1 × 100BaseFX (Multi/Single-mode, SC/ST/SFP Connector)
- -40°C to 75°C Operating Temperature
- MTBF: More than 300,000 Hours
- DC 12-52V Redundant Dual Power Inputs
- Lightning Surge Protection (Power Supply): 5000 A (8/20 μs)

Introduction:

Designed to fit Industrial and Commercial applications, the HES5A-Z series is plug and play Ethernet switches with IP40 DIN rail enclosure and convenient LEDs for Power (Link / Activity for each port). This series switches are rated to operate at temperatures ranging from -40°C to 75°C. The fanless design, wide operating temperature provide the products with high performance of resistance to high and low temperature, lightening protection and reliability and safety of industrial network.

Specifications:

Ethernet Interface		
10/100BaseT(X) Ports (RJ45 Connector)	4 or 5 Full/Half Duplex Mode; Auto MDI/MDI-X Adaptive; Auto Negotiation Speed	
100BaseFX Ports	1 (Multi/Single-mode SC/ST/SFP Connector)	
Standards	IEEE802.3; IEEE802.3i; IEEE802.3u; IEEE802.3x	
LED Indicators	Power, Link / Activity for Each Port	
Optical Fiber		
Mode	Multi-mode	Single-mode
Transmission Distance	2km	20km
Center Wavelength	1310nm	1310nm
TX Power	⩾-18dBm	⩾-14dBm
RX Power	⩽-34dBm	⩽-33dBm
Transmission Rate	100Mbps	100Mbps
Switch Properties		
Processing Type	Store and Forward	
MAC Table Size	2K	
Packet Buffer Size	1Mbit	
Power Parameters		
Input Voltage	DC 12-52 V Redundant Dual Power Inputs	
Power Consumption	3W Max	
Input Connection	Phoenix Terminal	
Reverse Polarity Protection	Supported	
Overload Current 4.0A Protection	Supported	

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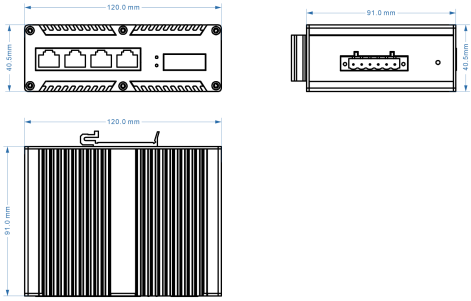
Physical Characteristics	
Case	Metal Enclosure, IP40 Design
Dimensions (Width × Height × Depth)	1.6" × 4.7" × 3.6" (40.5mm × 120 mm × 91 mm)
Installation	DIN-rail Mounting
Environmental Limits	
Operating Temp	-40°C to 75°C
Storage Temp	-40°C to 80°C
Ambient Relative Humidity	5% to 95% (Non-condensing)
Standards and Certifications	
EMI	FCC Part15, CISPR (EN55022) Class A
EMS	EN61000-4-2(ESD) Level 3, EN61000-4-3(RS) Level 3, EN61000-4-4(EFT) Level 3, EN61000-4-5(Surge) Level 3, EN61000-4-6(Radio Frequency Transmission) Level 3, EN61000-4-8 (Power Frequency Magnetic Field) Level 3, EN61000-4-16 (Common-mode Transmission) Level 3
Shock	IEC 60068-2-27
Freefall	IEC 60068-2-32
Vibration	IEC 60068-2-6
Warranty	
Warranty Period	5 Years

Dimension Drawing:



Ordering Information

HES5A-Z	Din-rail Unmanaged, 5 x 100Mbps Copper Port, Industrial Temperature -40 ~ 75 °C, Power Supply 12 ~ 52VDC
HES5A-Z-SC	Din-rail Unmanaged, 4 x 100Mbps Copper Port, 1 x 100Mbps Fiber Port, Multi-mode 2KM, SC Interface, Industrial Temperature -40 ~ 75 °C, Power Supply 12 ~ 52VDC
HES5A-Z-ST	Din-rail Unmanaged, 4 x 100Mbps Copper Port, 1 x 100Mbps Fiber Port, Multi-mode 2KM, ST Interface, Industrial Temperature -40 ~ 75 °C, Power Supply 12 ~ 52VDC
HES5A-Z-SFP	Din-rail Unmanaged, 4 x 100Mbps Copper Port, 1 x 100Mbps Fiber Port, SFP Interface, Industrial Temperature -40 ~ 75 °C, Power Supply 12 ~ 52VDC
HES5A-Z-SSC	Din-rail Unmanaged, 4 x 100Mbps Copper Port, 1 x 100Mbps Fiber Port, Single-mode 20KM, SC Interface, Industrial Temperature -40 ~ 75 °C, Power Supply 12 ~ 52VDC
HES5A-Z-SST	Din-rail Unmanaged, 4 x 100Mbps Copper Port, 1 x 100Mbps Fiber Port, Single-mode 20KM, ST Interface, Industrial Temperature -40 ~ 75 °C, Power Supply 12 ~ 52VDC
Other models are available upon request.	

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