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DATASHEET

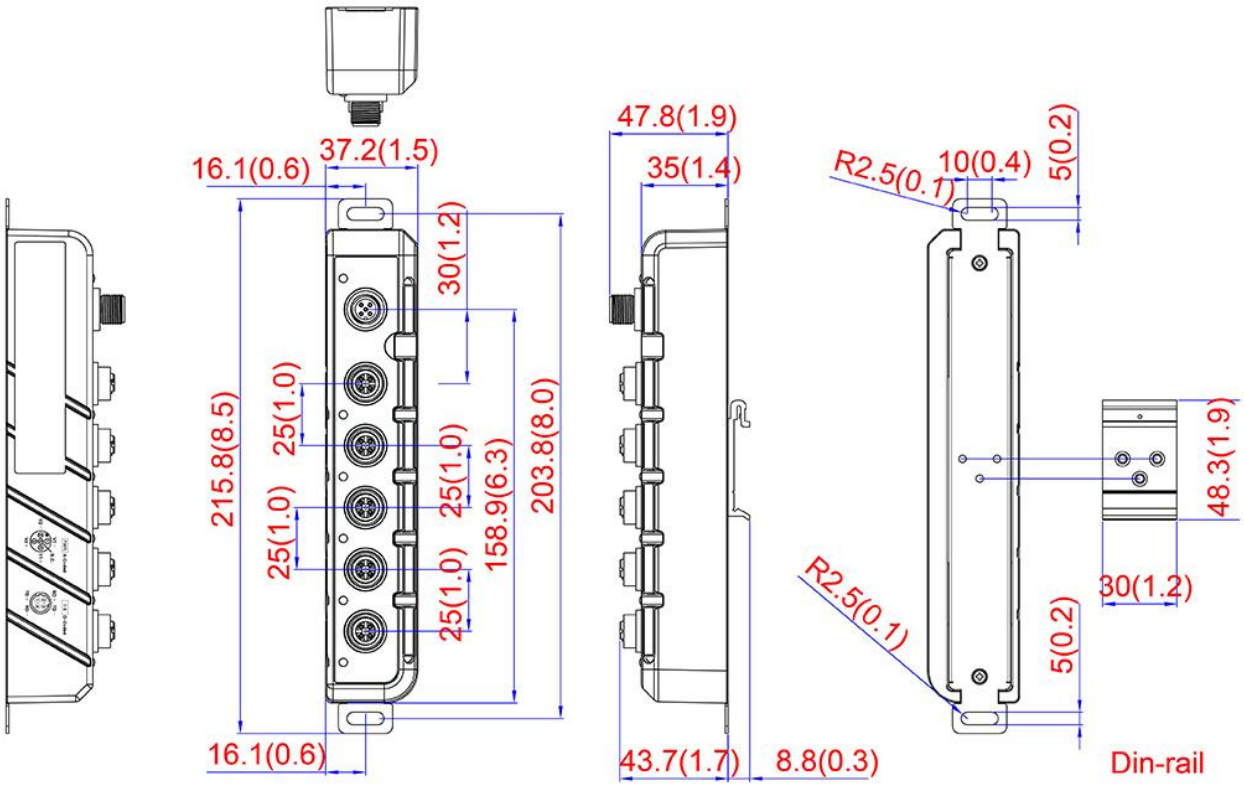
ET2-0500-M12-67 Series

5-Port M12 Industrial IP67 Waterproof Fast Ethernet Switch
-5*10/100BASE-TX with M12-connector, 12-48VDC Power Inputs

M12 IP67

- 5-port 10/100BASE-TX Fast Ethernet
- M12 connector with IP67 rated protection
- Redundant Power Inputs Design, 12-48VDC
- IP67 Rugged Plastic Case Design
- DIN-Rail Mounting, Wall Mounting
- Operating Temperature range - STD: -10°C ~ 65°C, EOT: -40°C ~ 75°C

Dimension



Unit: mm (inch)

Wall-mount

Specification

Technology	
Standards	IEEE 802.3 10BASE-T Ethernet IEEE 802.3u 100BASE-TX Fast Ethernet
Processing Type	Store and Forward
Protocol	CSMA/CD
Flow Control	IEEE 802.3x flow control, back pressure flow control
Switch Properties	
Switching Fabric (Back-Plane)	1Gbps
Memory Buffer	448Kbits
MAC Table Size	1K
Transfer Rate	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port
Interface	
RJ45 Ports	5*10/100BASE-TX, 4-Pin M12 D-coded Female connectors. Auto-Negotiation, Full/Half Duplex, Auto-MDI/MDI-X
LED Indicators	System: Power Ethernet Ports: On-Link/Flash-data transmitting
Power Requirements	
Input Voltage	Dual 12-48VDC redundant power inputs
Power Connection	Dual DC power inputs through M12 5-Pin A-coded male Connector
Overload Current Protection	Present (Slow-Blow Fuse)
Reverse Polarity Protection	Present
System Power Consumption	Max. 500mW full loading
Mechanical Characteristics	
Housing	Plastic, IP67 protection
Dimensions (W x H x D)	37.13 x 215.73 x 32.8 mm (1.46 x 8.49 x 1.29 inch)
Weight	Unit weight: 0.4 kg (0.88 lb), Shipping weight: 0.5 kg (1.10 lb)
Mounting	DIN-Rail Mounting, Wall Mounting
Environmental Limits	
Operating Temperature	STD: -10°C ~ 65°C (14°F ~ 149°F) EOT: -40°C ~ 75°C (-40°F ~ 167°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 A, CE EN55032/EN61000-6-4 Class A
EMS	CE EN55035/EN61000-6-2: 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	IEC60068-2-27
Vibration	IEC60068-2-6
Green	RoHS Compliant
Safety	UL61010-1, UL61010-2-201
MTBF (Telcordia SR-332, Issue 3, GB, 25°C)	3,563,071 hrs.
Warranty	5 Years
NOTE: Due to continuous improvement, all product specifications are subject to change without further notice.	

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Comparison Table

Model Name	10/100BASE-TX	100/1000BASE-X	Power Inputs	Operating Temperature
ET2-0500-M12-67	5	-	12-48VDC	-10°C ~ 65°C
ET2-0500-M12-T67	5	-	12-48VDC	-40°C ~ 75°C

Ordering Information

ET5-0500-M12-67	5-Port M12 Industrial IP67 Waterproof Fast Ethernet Switch -5*10/100BASE-TX, 12-48VDC, -10°C ~ 65°C
ET5-0500-M12-T67	5-Port M12 Industrial IP67 Waterproof Fast Ethernet Switch -5*10/100BASE-TX, 12-48VDC, -40°C ~ 75°C

Optional Accessories - Power Supply Series

30W Power Supply Series	
HDR-30-24	36W Industrial DIN-Rail Power Supply, 24VDC/1.5A, Universal 85-264VAC/120-370VDC power input, Plastic, -30°C ~ 70°C
60W Power Supply Series	
HDR-60-24	60W Industrial DIN-Rail Power Supply, 24VDC/2.5A, Universal 88-264VAC/124-370VDC power input, Plastic, -30°C ~ 70°C
MDR-60-24	60W Industrial DIN-Rail Power Supply, 24VDC/2.5A, Universal 85-264VAC/120-370VDC power input, Plastic, -20°C ~ 70°C
75W Power Supply Series	
EDR-75-48	75W Industrial DIN-Rail Power Supply, 48VDC/1.6A, Universal 90-264VAC/127-370VDC power input, Metal, -20°C ~ 60°C
NDR-75-48	75W Industrial DIN-Rail Power Supply, 48VDC/1.6A, Universal 90-264VAC/127-370VDC power input, Metal, -20°C ~ 70°C
120W Power Supply Series	
EDR-120-48	120W Industrial DIN-Rail Power Supply, 48VDC/2.5A, Universal 90-264VAC/127-370VDC power input, Metal, -20°C ~ 60°C
NDR-120-24	120W Industrial DIN-Rail Power Supply, 24VDC/5A, Universal 90-264VAC/127-370VDC power input, Metal, -20°C ~ 70°C
NDR-120-48	120W Industrial DIN-Rail Power Supply, 48VDC/2.5A, Universal 90-264VAC/127-370VDC power input, Metal, -20°C ~ 70°C
240W Power Supply Series	
NDR-240-48	240W Industrial DIN-Rail Power Supply w/ PFC, 48VDC/5A, Universal 90-264VAC/127-370VDC power input, Metal, -20°C ~ 70°C
SDR-240-24	240W Industrial DIN-Rail Power Supply w/ PFC, 24VDC/10A, Universal 88-264VAC/124-370VDC power input, Metal, -25°C ~ 70°C
480W Power Supply Series	
NDR-480-48	480W Industrial DIN-Rail Power Supply w/ PFC, 48VDC/10A, Universal 90-264VAC/127-370VDC power input, Metal, -20°C ~ 70°C