GracePort®

Component Code(s) | Power | Customize

P-P11R2-K3RF3-UXXX

Housing Size and UL Rating | Circuit Breaker

E5 Industrial Ethernet Switch

E5 UNMANAGED INDUSTRIAL ETHERNET SWITCH

The GracePort® Unmanaged Ethernet Switch gives you more reasons to keep your control panel door closed and limit exposure to voltage.

Unmanaged Ethernet switches provide simple communication between Ethernet devices. With diagnostics limited to the LED's, you must be able to see the LED's to diagnose communication problems. Our dual 'inside-out' LED design allows you to see the status of each port from the inside and outside the panel.

FEATURES

- Interior status LED's (port P2 - P5) duplicated on front for thru-door diagnostics
- Program multiple devices safely from outside the panel.
- Reduced cost due to panel space savings
- Convenient external RESET and Power LED indication.
- Required external power supply: 24VDC only
- Available in UL Type 12/4/4X configurations to maintain enclosure rating
- Designed to fit the Inside-Outlet® GFCI for NFPA 79 Compliance
- Provisions available for other outlet types and interfaces to meet all your needs
- Robust design: (0-60°C) with an MTBF 938,570 hours

P-E5-M3RF15

Sample Part No.:

P - E5 - M3RF5

E5 Industrial Ethernet Switch

Description	Part Numbers
UL Type 4 (IP-65)	
with GFCI and Type A(F) USB	P-E5P11-M3RF0
with GFCI and 5 Amp CB	P-E5-M3RF5
Ethernet Switch only	P-E5-M3RX
UL Type 4X (IP-65)	
with GFCI and Type A(F) USB	P-E5P11-M2RF0
with GFCI and 5 Amp CB	P-E5-M2RF5
Ethernet Switch only	P-E5-M2RX
UL Type 12	
with GFCI and Type A(F) USB	P-E5P11-M4RF0
with GFCI and 5 Amp CB	P-E5-M4RF5
Ethernet Switch only	P-E5-M4RX

Don't see what you're looking for?
Contact us at sales@grace-eng.com, call 1-800-280-9517 or visit www.graceport.com to chat with our customer service.

FOR MORE INFORMATION VISIT GRACEPORT.COM OR CALL 1.800.280.9517

Warning: Verify an electrical conductor has been de-energized using an adequately rated test instrument before working on it. Follow appropriate Energy Control (Lockout/Tagout) procedures as per OSHA Subpart S.

RoHS

Certification based on final product.

GP-E5-DS-EN 2002

GracePort®

Physical Ports	
10/100 Base-T(X) Ports in RJ45 Auto MDI/MDIX	(5) Total, 'P1' located on front, "P2-P5' on rear
Technology	
Ethernet Standards (Layer 2)	IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X), IEEE 802.3x for Flow control
MAC Table	1024 MAC addresses
Processing	Store-and-Forward
Maximum Throughput Rate	148,800pps (100Mbps) 148,80pps (10Mbps)
LED indicators	
Power Indicator	Green - Power LED x 1
10/100TX RJ45 port indicator	Front: Green for port Link/Act. Yellow for Duplex/Collision.
Rear Ports (P2 - P5)	Identical LED indicators on RJ45 jack
Power	
Input power	24VDC (9VDC min./30VDC max.) input on 3-pin terminal block.
Power consumption (Typical)	2.5 Watts max
Overload current protection	Yes
Reverse polarity protection	Yes
Physical Characteristic	
Dimensions in GracePort®	Per Figures 1-3Wiring Diagram
Weight (approx. with GFCI outlet)	1.85 lbs / .84 Kg
Environmental	
Storage Temperature	-40 to 85 C (-40 to 185°°F)
Operating Temperature	-10 to 60 C (14 to 140°°F)
Operating Humidity	10% to 90% Non-condensing
Regulatory approvals	
EMI/EMS	FCC Part 15, CISPR (EN55022) class B, EN6100-3-2, EN61000-4-2 (ESD), EN61000-4-3 (RS),EN6100-3-3, EN61000-4-4 (EFT),EN61000-4-5 (Surge), EN55024, EN61000-4-6 (CS),EN61000-4-8, EN61000-4-11
Shock	IEC60068-2-27
Drop Test	ISTA-1A
Vibration	IEC60068-2-6
Safety	En60950, UL60950-1

FAQs

Q: Why doesn't my Ethernet Switch respond after I turned on the power?

A: The green power LED should illuminate after the power is properly connected. If the green LED is not ON, check the voltage of the power supply to issue that the input voltage range is between 9V~30V.

Q: I can't make an Ethernet connection?

A: Verify that the Ethernet cable is plugged in correctly. If so, try a different Ethernet cable.

Q: What can I do if the Ethernet Switch does not function properly?

A: Press the reset button on the front of the GracePort® Ethernet Switch to restart it.

Q: What type of Ethernet cable do I need?

A: This switch supports auto MDI/MDI-X operation, so the Ethernet switch should function properly no matter if the Ethernet cable is straight-through or cross-over.

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