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3505 HUTCHINSON ROAD CUMMING, GA 30040-5860, USA

## **Stride**<sup>™</sup> INDUSTRIAL UNMANAGED ETHERNET SWITCH 5-PORT – DATA SHEET



SE-SW5U

-Stride



Description:

STRIDE SlimLine Industrial Unmanaged Ethernet Switch with five 10/100BaseT RJ45 Ethernet ports. Redundant power inputs with surge and spike protection. Auto-crossover. DIN rail mounting. Supports store & forward wire speed switching and full-duplex with flow control. UL, CSA (CUL), & CE. The -WT models have a metal case and are rated for a wider temperature range, from -40 ° to 85 °C.

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Note: Dimensions, Installation and Wiring information is SHOWN ON THE BACK OF THIS DATA SHEET.

Copper RJ45 Ports: (10/100BaseT)			
10/100BaseT ports	Shielded RJ45		
Protocols supported	All standard IEEE 802.3		
Ethernet compliancy	IEEE 802.3, 802.3u, 802.3x		
Auto-crossover	Yes, allows you to use straight-through or crossover wired cables		
Auto-sensing operation	Yes, Full and half duplex		
Auto-negotiating	Yes, 10BaseT and 100BaseT		
Auto-polarity	Yes, on the TD and RD pair		
Flow control	Automatic		
Ethernet isolation	1500 VRMS 1 minute		
Plug and play	Yes		
Cable requirements	Twisted pair (Cat. 5 or better) (shielded recommended)		
Max. cable distance	100 meters		

Note: For additonal product details, USER MANUAL, Α SE-USER-M, IS AVAILABLE AS A DOWNLAODABLE PDF FILE FROM THE ONLINE DOCUMENTATION AREA OF THE AUTOMATION DIRECT WEBSITE.

Ethernet switch type         S ports           Operating mode         Store and forward wire speed switching, non-blocking           Devices supported         All IEEE 802.3 compliant devices are supported           Standards         IEEE 802.3, 802.3u, 802.3x           MAC addresses         1024 addresses           Marcony bandwidth         3.2 Gbps           Latency for         16 us + frame time (typical)           10 Mbps ports         S us + frame time (typical)           Power input         Redundant input Terminals           Input power (typical with all ports active at 100 Mbps)         2.0 W           Input tooltage         2.0 W           Reverse power protection         Yes           Transient protection         1500 Vents 1 minute           Operating temperature range         SE-SW5U         -10 to 4.60 °C (-14 to -140 °F), cold statup at -40 °C (-44 to +140 °F), cold statup at -40 °C (-44 to +140 °F), cold statup at -40 °C (-44 to +140 °F), cold statup at -40 °C (-44 to +165 °F), cold statup at -40 °C (-44 to +165 °F), cold statup at -40 °C (-40 Te), SE-SW5U         -40 to +85 °C (-40 to +185 °F)           Humidity (non-condensing)         SE-SW5U-WT         Cold statup at -40 °C (-44 to +165 °F), cold statup at -40 °C (-44 Te), cold statup at -40 °C (-44 Te), cold statup at -40 °C (-40 Te), SE-SW5U-WT         SE-SW5U-WT           Agency Approvals         FCC part 15, ICES-802, EN61001, ULCUL F208, CSA C22, EN610	General Specifications				
Operating mode         Store and loward wire speed switching, non-blocking           Devices supported         All IEEE 802.3, 802.3u, 802.3x           MAC addresses         1024 addresses           MAC addresses         1024 addresses           Memory bandwidth         3.2 Gbps           Latency for 10 Mbps ports	Ethernet switch type	5 ports			
Devices supported         All IEEE 802.3 compliant devices are supported           Standards         IEEE 802.3, 802.3u, 802.3u           MAC addresses         1024 addresses           Macrony bandwidth         3.2 Gbps           Latency for 10 Mbps ports	Operating mode	Store and forward wire speed switching, non-blocking			
Standards         IEEE 802.3, 802.3x, 802.3x           MAC addresses         1024 addresses           Mac addresses         1024 addresses           Memory bandwidth         3.2 Gbps           Latency for 10 Mbps ports         Sus + frame time (typical)           Domer input         Redundant Input Terminals           Input power (typical with all ports active at 100 Mbps)         2.0 W           Reverse power protection         Yes           Transient protection         Yes           Transient protection         Yes           Spike protection         Sco0 watts (10x for 10 uS)           Ethernet isolation         15000 Watts peak           Operating temperature range         SE-SW5U         -10 to +60 °C (-14 to +140 °F), cold statup at -40 °C (-40 °F)           Storage temperature range         -40 to +85 °C (-40 to +185 °F), cold statup at -40 °C (-40 °F)           Storage temperature range         -40 to +85 °C (-40 to +185 °F), cold statup at -40 °C (-40 °F)           Storage temperature range         -40 to +85 °C (-40 to +185 °F), cold statup at -40 °C (-40 °F)           Environmental Air         No corrosive gasses permitted           Wibration and shock         IEC68-2-6, -27           Electrical safety         UL/CUL 508, CSA C22, per EN6100-0-6-4           EM emissions         FCC part 15, (CES-003, EN61000	Devices supported	All IEEE 802.3 compliant devices are supported			
MAC addresses         1024 addresses           Memory bandwidth         3.2 Gbps           Latency for 10 Mbps ports         16 us + frame time (typical)           10 Mbps ports         5 us + frame time (typical)           Power input         Redundant Input Terminals           Input power (typical with all ports active at 100 Mbps)         10.400 VDC (continuous) - Class 2 Power Supply           Reverse power protection         Yes           Transient protection         Yes           Transient protection         5.000 watts (10x for 10 uS)           Ethernet isolation         15000 Watts peak           Operating temperature range         SE-SW5U         -10 to 460 °C (-14 to +140 °F), cold startup at -40 °C (-40 °F)           Storage temperature range         -40 to +85 °C (-40 to +185 °F), cold startup at -40 °C (-40 °F)         Sec SW5U           Storage temperature range         -40 to +85 °C (-40 to +185 °F), cold startup at -40 °C (-40 °F)         Sec SW5U           Environmental Air         No corrosive gasses permitted         Sec SW5U         So Sec SW - 40 to +85 °C (-40 °F)           Environmental Air         VL/CUL StoR (-SA C22, PN 61010-1 (file #E20031)         Ethernet isolases         FCC part 15, ICES-003, EN 61000-6-4           Eth emissions         FCC part 15, ICES-003, EN 61000-6-4         UL/CUL US (SG CSA C22, PO F101010-1, VL/CUL Haz Loc (Class, 1), V2, Groups A, B, C,	Standards	IEEE 802.3, 802.3u, 802.3x			
Memory bandwidth         3.2 Gbps           Latency for 10 Mbps ports         -16 us + trame time (typical)           Datency for 100 Mbps ports         -5 us + trame time (typical)           Power input	MAC addresses	1024 addresses			
Latency for 10 Mbps ports         : 16 us + frame time (typical)           Latency for 100 Mbps ports         : 5 us + frame time (typical)           Power input         : Bedundant Input Terminals           Input power (typical with all ports active at 100 Mbps)         :	Memory bandwidth	3.2 Gbps			
Latency for 100 Mbps ports         S us + frame time (typical)           Power input         Redundant Input Terminals           Input power (typical with all ports active at 100 Mbps)         2.0 W           Input voltage         10-30 VDC (continuous) - Class 2 Power Supply           Reverse power protection         Yes           Transient protection         Yes           Spike protection         5.000 watts (tox for 10 uS)           Ethernet isolation         1500 VPMS1 minute           Operating temperature range         SE-SW5U         -10 to -60 °C (+14 to +140 °F), cold startup at -10 °C (+14 °F)           Storage temperature range         SE-SW5U         -40 to +85 °C (-40 to +185 °F), cold startup at -00 °C (+14 °F)           Storage temperature range         -40 to +85 °C (-40 to +185 °F)           Humidity (non-condensing)         Sto 95% RH           Environmental Air         No corrosive gasses permitted           Vibration and shock         EC68e-26, -27           Electrical safety         UL/cUL 508, CSA C22, Per EN6100-1, UL/cUL 482 Loc (Class 1, Div, 2, Gougs A, B, C, D), CSA C222/213 EN60079-15, (Zone 2, Category 3), CE (ATES)           RoHS and WEEE         RoHS (Pb tree) and WEEE compliant           Packaging and protection         SE-SW5U         UL/eUL 402 (Lise, CR, CLass 1, Div, 2, Gougs A, B, C, D), CSA C222/213 EN60079-15, (Zone 2, Category 3), CE (ATES)	Latency for 10 Mbps ports	16 us + frame time (typical)			
Power input         Redundant Input Terminals           Input power (typical with all ports active at 100 Mbps)         2.0 W           Input voltage         10-30 VDC (continuous) - Class 2 Power Supply           Reverse power protection         Yes           Transient protection         15.000 watts (tox tor 10 us)           Spike protection         5.000 watts (tox tor 10 us)           Ethernet isolation         1500 VRMS 1 minute           Operating temperature range         SE-SW5U         -10 to +60 °C (+41 to +140 °F), cold startup at -10 °C (+41 °F), cold startup at -40 °C (-40 to +185 °F), cold startup at -40 °C (-40 to +185 °F), cold startup at -40 °C (-40 to +185 °F)           Humidity (non-condensing)         SE-SW5U         -40 to +85 °C (-40 to +185 °F), cold startup at -40 °C (-40 °F)           Environmental Air         No corrosive gasses permitted         Second startup at -40 °C (-40 °F)           Vibration and shock         IEC68-2-6, -27           Electrical safety         ULSUK/CSA C22, EN61010-1 (file #E200031)           EMI emissions         IUL/ULL SUB, CSA C22 per FN61010-1, (SE C 22, 2/21 S IN60079-15 (C20ne 2, Category 3), CE (ATEX)           RoHS and WEEE         VUL/UL LAB C (C Class 1, Div 2, Groups A, B, C, D), CSA C 22, 2/21 S IN60079-15 (C20ne 2, Category 3), CE (ATEX)           Packaging and protection         SE-SW5U         UL94VO Lexan, IP30           SE-SW5U         See mechanical diagrams f	Latency for 100 Mbps ports	5 us + frame time (typical)			
Input power (typical with all ports active at 100 Mbps)	Power input	Redundant Input Terminals			
Input voltage         10-30 VDC (continuous) - Class 2 Power Supply           Reverse power protection         Yes           Transient protection         15,000 watts peak           Spike protection         5,000 watts (10x for 10 uS)           Ethernet isolation	Input power (typical with all ports active at 100 Mbps)	2.0 W			
Reverse power protection         Yes           Transient protection         15,000 walts peak           Spike protection         5,000 walts (10x for 10 uS)           Ethernet isolation	Input voltage	10-30 VDC (continuous) - Class 2 Power Supply			
Transient protection         15,000 watts peak           Spike protection         5,000 watts (10x for 10 uS)           Ethernet isolation         5,000 watts (10x for 10 uS)           Operating temperature range         SE-SW5U         1500 VRMS 1 minute           Operating temperature range         SE-SW5U         -10 to +60 °C (+14 to +140 °F), cold startup at -40 °C (+40 ref)           Storage temperature range        40 to +85 °C (-40 to +185 °F), cold startup at -40 °C (+40 °F)           Storage temperature range        40 to +85 °C (-40 to +185 °F)           Humidity (non-condensing)         Sto 95% RH           Environmental Air         No corrosive gasses permitted           Vibration and shock         IEC68-2-6, -27           Electrical safety         ULL50K/CSA C22, EN61010-1 (file #E200031)           EMI emissions         ECC part 15, ICE5-003, EN6100-6-4           EMC immunity         EC61000-6-2           Agency Approvals         SE-SW5U         UL/cUL 508, CSA C22 per EN61010-1, UL/cUL 500, CSA C22 per EN61010-1, CSA C 222 c213 EN60079-15 (Cone 2, Category 3), CE (ATEX)           RoHS and WEEE         SE-SW5U         UL94V0 Lexan, IP30           Packaging and protection         SE-SW5U         See mechanical diagrams for details           Weight         SE-SW5U-WT         G oz (0.17 kg)	Reverse power protection	Yes			
Spike protection         5.000 watts (10x for 10 uS)           Ethernet isolation         1500 VRMS 1 minute           Operating temperature range         SE-SW5U         -10 to 460 °C (+14 to 1+40 °F), oold startup at -10 °C (+14 °F)           storage temperature range         -40 to 465 °C (-40 to +185 °F), oold startup at -40 °C (-40 °F)           Storage temperature range         -40 to +85 °C (-40 to +185 °F)           Humidity         -40 to +85 °C (-40 to +185 °F)           f(non-condensing)         5 to 95% RH           Vibration and shock         IEC68e-2-6, -27           Electrical safety         UL508/CSA C22, EN61010-1 (file #E200031)           EMI emissions         FCC part 15, ICES-003, EN61000-6-4           EMC immunity         EC61000-6-2           Agency Approvals         SE-SW5U         UL/cUL 508, CSA C22 per EN61010-1, UL/cUL 508, CSA C22 per EN6079-15 (Zone 2, Calegory 3), CE (ATEX)           RoHS and WEEE         SE-SW5U         UL940 Lexan, IP30           Packaging and protection         SE-SW5U-WT         Aluminum IP40           SE-SW5U-WT         Aluminum IP40         See mechanical diagrams for details           Weight         SE-SW5U-WT         6 αz (0.17 kg)	Transient protection	15,000 watts peak			
Ethernet isolation         1500 VRMS 1 minute           Operating temperature range         SE-SW5U         -10 to +60 °C (+14 to +140 °F), cold startup at -10 °C (+14 °F)           Storage temperature range         -40 to +85 °C (-40 to +185 °F), cold startup at -40 °C (-40 °F)           Storage temperature range         -40 to +85 °C (-40 to +185 °F).           Humidity (non-condensing)         -40 to +85 °C (-40 to +185 °F)           Environmental Air         No corrosive gasses permitted           Vibration and shock         IEC68-2-6, -27           Electrical safety         UL⊍SVCSA C22, ENG1010-1 (file #E200031)           EMI emissions         ECC part 15, ICES-003, ENG1000-6-4           EMC immunity         EC61000-6-2           Agency Approvals         UU/cUL 508, CSA C22 per EN61010-1, UU/cUL 508, CSA C22 per EN61010-1, UU/cUL 508, CSA C22 per EN61010-1, UU/cUL 508, CSA C22 per EN6070-15 (Zone 2, Category 3), CE (ATEX)           RoHS and WEEE         SE-SW5U           Packaging and protection         SE-SW5U           SE-SW5U-WT         Aluminum IP40           SE-SW5U-WT         Aluminum IP40           Weight         SE-SW5U-WT         6 αz (0.17 kg)	Spike protection	5,000 watts (10x for 10 uS)			
Operating temperature range         SE-SW5U         -10 to +60 °C (+14 to +140 °F), cold startup at -40 to +85 °C (-40 to +185 °F), cold startup at -40 °C (-40 °F)           Storage temperature range        40 to +85 °C (-40 to +185 °F), cold startup at -40 °C (-40 °F)           Humidity (non-condensing)         SE-SW5U-WT         5 to 95% RH           Environmental Air         No corrosive gasses permitted           Vibration and shock         IEC68-2-6, -27           Electrical safety         UL508/CSA C22, EN61010-1 (lile #E200031)           EMI emissions	Ethernet isolation	1500 VRMS 1 minute			
range     SE-SW5U-WT     -40 to 465 °C (-40 to +185 °F), cold startup at -40 °C (-40 °F)       Storage temperature range    40 to +85 °C (-40 to +185 °F)       Humidity (non-condensing)    40 to +85 °C (-40 to +185 °F)       Environmental Air     No corrosive gasses permitted       Vibration and shock     IEC68-2-6, -27       Electrical safety     UL508/CSA C22, EN61010-1 (file #E200031)       EMI emissions     FCC part 15, ICES-003, EN61000-6-4       EMC immunity     EC61000-6-2       VUL/cUL 508, CSA C22 per EN61010-1, UL/cUL 508, CSA C22 per EN61010-1, UL/cUL 508, CSA C22 per EN61010-1, UL/cUL 508, CSA C22 per EN60079-15 (Zone 2, Category 3), CE (ATEX)       RoHS and WEEE     SE-SW5U     UL94V0 Lexan, IP30       Packaging and protection     SE-SW5U-WT     Aluminum IP40       SE-SW5U     4 α α (0.11 kg)       Weight     SE-SW5U-WT     6 α α (0.17 kg)	Operating temperature range	SE-SW5U	-10 to +60 °C (+14 to +140 °F), cold startup at -10 °C (+14 °F)		
Storage temperature range       -40 to +85 °C (-40 to +185 °F)         Humidity (non-condensing)       5 to 95% RH         Environmental Air       No corrosive gasses permitted         Vibration and shock       IEC68-2-6, -27         Electrical safety       UL508/CSA C22, EN61010-1 (file #E200031)         EMI emissions       FCC part 15, ICES-003, EN61000-6-4         EMC immunity       EC61000-6-2         Agency Approvals       UL/cUL 508, CSA C22 per EN61010-1, UL/cUL Haz Loc (Class 1, Div. 2, Groups A, B, C, D), CSA C 22 2/15 EN60079-15 (Zone 2, Category 3), CE (ATEX)         RoHS and WEEE       SE-SW5U       UL94V0 Lexan, IP30         Packaging and protection       SE-SW5U       See mechanical diagrams for details         Meight       SE-SW5U-WT       6 oz (0.17 kg)		SE-SW5U-WT	-40 to +85 °C (-40 to +185 °F), cold startup at -40 °C (-40 °F)		
Humidity (non-condensing)       5 to 95% RH         Environmental Air       No corrosive gasses permitted         Vibration and shock       IEC68-2-6, -27         Electrical safety       UL508/CSA C22, EN61010-1 (file #E200031)         EMI emissions       FCC part 15, ICES-003, EN61000-6-4         EMC immunity       EC61000-6-2         Agency Approvals       UL/cUL 508, CSA C22 per EN61010-1, UL/cUL 4az Loc (Class 1, Div. 2, Groups A, B, C, D), CSA C 222/218 EN60079-15 (Zone 2, Category 3), CE (ATEX)         RoHS and WEEE       SE-SW5U       UL94VO Lexan, IP30         Packaging and protection       SE-SW5U       UL94VO Lexan, IP30         Dimensions (L x W x H)       See mechanical diagrams for details         Weight       SE-SW5U-WT       6 oz (0.17 kg)	Storage temperature range	-40 to +85 °C (-40 to +185 °F)			
Environmental Air       No corrosive gasses permitted         Vibration and shock       IEC68-2-6, -27         Electrical safety       UL508/CSA C22, EN61010-1 (file #E200031)         EMI emissions       FCC part 15, ICES-003, EN61000-6-4         EMC immunity       EC61000-6-2         Agency Approvals       UL/cUL 508, CSA C22 per EN61010-1, UL/cUL Haz Loc (Class 1, Div. 2, Groups A, B, C, D), CSA C 222 2/13 EN60079-15 (Zone 2, Category 3), CE (ATEX)         RoHS and WEEE       FKHS (Pb free) and WEEE compliant         Packaging and protection       SE-SW5U       UL94VO Lexan, IP30         Dimensions (L x W x H)       SE-SW5U       4 αz (0.11 kg)         Weight       SE-SW5U-WT       6 αz (0.17 kg)	Humidity (non-condensing)	5 to 95% RH			
Vibration and shock     IEC68-2-6, -27       Electrical safety     UL508/CSA C22, EN61010-1 (file #E200031)       EMI emissions     CC part 15, ICES-003, EN61000-6-4       EMC immunity     EC61000-6-2       Agency Approvals     UL/UL/UL 508, CSA C22 per EN61010-1, UL/UL/UL 508, CSA C22 per EN61010-1, UL/UL 508, CSA C20, UL/UL 508	Environmental Air	No corrosive gasses permitted			
Electrical safety     ULS08/CSA C22, EN61010-1 (file #E200031)       EMI emissions     FCC part 15, ICES-003, EN61000-6-4       EMC immunity     EC61000-6-2       Agency Approvals     UL/cUL 508, CSA C22 per EN61010-1, UL/cUL 508, CSA C22 per EN61010-1, UL/cUL 608, CSA C22 per EN61010-1, UL/cUL 608, CSA C22 per EN61010-1, UL/cUL 608, CSA C22 per EN61010-1, CSA C 22.2/213 EN60079-15       RoHS and WEEE     FoHS (Pb free) and WEEE compliant       Packaging and protection     SE-SW5U     UL94VO Lexan, IP30       SE-SW5U     UL94VO Lexan, IP30       Weight     SE-SW5U     4 oz (0.11 kg)       SE-SW5U-WT     6 oz (0.17 kg)	Vibration and shock	IEC68-2-6, -27			
EMI emissions     FCC part 15, ICES-003, EN61000-6-4       EMC immunity     EC61000-6-2       Agency Approvals     UL/CUL 508, CSA C22 per EN61010-1, UL/CUL 42 Loc (Class 1, Div. 2, Groups A, B, C, D), CSA C 22,2/13 EN60079-15 (Zone 2, Category 3), CE (ATEX)       RoHS and WEEE     SE-SW5U     UL94VO Lexan, IP30       Packaging and protection     SE-SW5U     UL94VO Lexan, IP30       Dimensions (L x W x H)     See mechanical diagrams for details       Weight     SE-SW5U     4 oz (0.11 kg)	Electrical safety	UL508/CSA C22, EN61010-1 (file #E200031)			
EMC immunity         EC61000-6-2           Agency Approvals         UL/cUL 508, CSA C22 per EN61010-1, UL/cUL 508, CSA C22 per EN61070-15 (Zone 2, Category 3), CE (ATEX)           RoHS and WEEE         Normality           Backaging and protection         SE-SW5U         UL94V0 Lexan, IP30           SE-SW5U         Aluminum IP40         See mechanical diagrams for details           Weight         SE-SW5U         4 oz (0.11 kg)           SE-SW5U         4 oz (0.17 kg)	EMI emissions	FCC part 15, ICES-003, EN61000-6-4			
Agency Approvals         UL/cUL 508, CSA C22 per EN61010-1, UL/cUL Haz Loc (Class 1, Div. 2, Groups A, B, C, D), CSA C 22.2/13 EN60079-15 (Zone 2, Category 3), CE (ATEX)           RoHS and WEEE         TeNHS (Pb free) and WEEE compliant           Packaging and protection         SE-SW5U         UL94VO Lexan, IP30           Dimensions (L x W x H)         See mechanical diagrams for details           Weight         SE-SW5U         4 oz (0.11 kg)           SE-SW5U-WT         6 oz (0.17 kg)	EMC immunity	EC61000-6-2			
RoHS and WEEE         RoHS (Pb free) and WEEE compliant           Packaging and protection         SE-SW5U         UL94V0 Lexan, IP30           SE-SW5U-WT         Aluminum IP40           Dimensions (L x W x H)         See mechanical diagrams for details           Weight         SE-SW5U-WT         4 oz (0.11 kg)	Agency Approvals	UL/cUL 508, CSA C22 per EN61010-1, UL/cUL Haz Loc (Class 1, Div. 2, Groups A, B, C, D), CSA C 22.2/213 EN60079-15 (Zone 2, Category 3), CE (ATEX)			
SE-SW5U         UL94V0 Lexan, IP30           SE-SW5U-WT         Aluminum IP40           Dimensions (L x W x H)         See mechanical diagrams for details           Weight         SE-SW5U           SE-SW5U-WT         6 oz (0.17 kg)	RoHS and WEEE	RoHS (Pb free) and WEEE compliant			
Prackaging and protection         SE-SW5U-WT         Aluminum IP40           Dimensions (L x W x H)         See mechanical diagrams for details           Weight         SE-SW5U         4 oz (0.11 kg)           SE-SW5U-WT         6 oz (0.17 kg)	Packaging and protection	SE-SW5U	UL94VO Lexan, IP30		
Dimensions (L x W x H)         See mechanical diagrams for details           Weight         SE-SW5U         4 oz (0.11 kg)           SE-SW5U-WT         6 oz (0.17 kg)		SE-SW5U-WT	Aluminum IP40		
Weight         SE-SW5U         4 oz (0.11 kg)           SE-SW5U-WT         6 oz (0.17 kg)	Dimensions (L x W x H)	See mechanical diagrams for details			
SE-SW5U-WT 6 oz (0.17 kg)	Weight	SE-SW5U	4 oz (0.11 kg)		
		SE-SW5U-WT	6 oz (0.17 kg)		

Safety Standards:







**WEEE Compliant** 

RoHS

**RoHS Compliant** 

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#### Dimensions:

#### 5 Port – SE-SW5U Removable Screw Block, Phoenix p/n 1757035 Snans to standard 35 mm x 7.5 mm height DIN rail (EN50022) مممما 1 01 [25.7] 1 1.98 [50.3] Dia. 0.15 [3.8] Use for direct 4.35 [110.5] 3.96 [100.6] panel mounting flat surface 1.98 [50.3] 1.01 [25.7] 3.26 [82.8] 0.06 1.00 Units: inches [mm]

### Installation – DIN Rail Mounting:

The switch can be snapped onto a standard 35 mm x 7.5 mm height DIN rail (Standard: CENELEC EN50022) and can be mounted either vertically or horizontally.

DIN rail mounting steps, plastic and metal case:

- 1. Hook top back of unit over the DIN rail.
- 2. Push bottom back onto the DIN rail until it snaps into place.
- DIN rail removal steps, plastic case:
  - A. Insert screwdriver into DIN clip and pry until it releases from the rail. B. Unhook top of unit from DIN rail.
- DIN rail removal steps, metal case:

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- A. Push the unit down to free the bottom of the DIN rail.
- B. Rotate the bottom of the unit away from the DIN rail.
- C. Unhook top of unit from DIN rail.



#### WARNING

All power, input and output (VO) wiring must be in accordance with Class I, Division 2 wiring methods and in accordance with the authority having jurisdiction. "This Equipment is Suitable for Use in Class I. Division 2. Groups A. B. C. D or Non-Hazardous Locations Only"

WARNING – EXPLOSION HAZARD – SUBSTITUTION OF COMPONENTS MAY IMPAIR SUITABILITY FOR CLASS I, DIVISION 2.

WARNING – EXPLOSION HAZARD – WHEN IN HAZARDOUS LOCATIONS, DISCONNECT POWER BEFORE REPLACING OR WIRING UNITS.

WARNING – EXPLOSION HAZARD – DO NOT DISCONNECT EQUIPMENT UNLESS POWER HAS BEEN SWITCHED OFF OR THE AREA IS KNOWN TO BE NONHAZARDOUS.

WARNING – EXPLOSION HAZARD – IN HAZARDOUS OR POTENTIALLY HAZARDOUS LOCATIONS, DO NOT SEPARATE ANY Part of the unit when energized. Use the unit for internal connections only.



"Cet équipement est adapté pour une utilisation en Classe1, Division 2, Groupes A, B, C et D ou endroits non-dangereux seulement ".

AVERTISSEMENT – RISQUE D'EXPLOSION – LA SUBSTITUTION DE TOUT COMPOSANT PEUT NUIRE À LA CONFORMITÉ DE CLASSE I, division 2.

AVERTISSEMENT – RISQUE D'EXPLOSION – LORSQUE DANS DES ENDROITS DANGEREUX, DÉBRANCHEZ LE CORDON D'Alimentation avant de remplacer ou de brancher les modules.

AVERTISSEMENT – RISQUE D'AVERTISSEMENT – NE DÉBRANCHEZ PAS L'ÉQUIPEMENT PENDANT QUE LE CIRCUIT EST DIRECT OU À Moins que l'environnement soit connu pour être libre de concentrations inflammables.

AVERTISSEMENT – RISQUE D'EXPLOSION – DANS LES ENDROITS DANGEREUX OU POTENTIELLEMENT DANGEREUX, NE PAS Separer une partie de l'Unite sous tension. Seulement utilisez l'appareil pour les connexions internes.

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# Power Wiring:

The switch can be powered from the same DC source that is used to power your other devices. To maintain the UL508 listing, this must be a Class 2 power supply. A DC voltage in the range of 10 to 30 VDC needs to be applied between the P1 (plus) terminal and the Minus terminal as shown below. The chassis screw terminal should be tied to panel or chassis ground. To reduce down time resulting from power loss, the switch can be powered redundantly with a second power supply as shown below.

A recommended DC power supply is **AutomationDirect.com** Part number PSL-24-030. When powering multiple switches from a common power supply, it is most reliable to power the switches sequentially rather than simultaneously. The characteristics of the power supply and the significant startup current of the switches may result in an error in booting the switches when powered simultaneously.



# Communication Ports Wiring:

The switch provides connections to standard Ethernet devices such as PLCs, Ethernet I/O, industrial computers and much more. Use data-quality (not voice-quality) twisted pair cable rated category 5 (or better) with standard RJ45 connectors. Straight-through or crossover RJ45 cable can be used for all devices the switch is connected to as all the ports are capable of auto-mdi/mdix-crossover detection.

The RJ45 Ethernet port connector bodies on the switch are metallic and connected to the Chassis GND terminal. Therefore, shielded cables may be used to provide further protection. To prevent ground loops, the cable shield should be tied to the metal connector body at one end of the cable only. Electrical isolation is also provided on the Ethernet ports for increased reliability.

### Additional Help and Support

- For additional product support, specifications, and installation, a User Manual, SE-USER-M, is available as a downloadable PDF file from the Online Documentation area of **www.AutomationDirect.com**
- For additional technical support and questions, call our Technical Support team @ 770-844-4200.