

STR-T5-A

Ring Redundancy Switch

Product Overview

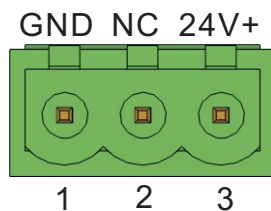
STR-T5-A is a ring redundancy Ethernet switch with 5-port, making it a cost-effective redundant Ethernet connectivity solution. The switch provides powerful information transfer in harsh industrial environments. Wide operating temperature range (-40 ° C ~ 75 ° C), power input range 9-30VDC, can support redundant power, support rail and screw two installation methods.

Technical Specifications

- 1.10/100M, full/half duplex, MDI/MDI-X adaptive;
- 2.Storage and forwarding exchange;
- 3.MAC address table size: 1 K;
- 4.Frame buffer size: 64K Bytes;
- 5.Ring network redundancy self-healing time <20ms;
- 6.Power supply: 24VDC (9V~30V);
- 7.Working temperature: -40°C~75°C, Humidity: 5%~95% (Non-condensing);
- 8.External dimensions (W*H*D): 1.97 in*5.12 in*3.85 (50mm*130mm*98mm)
- 9.Installation: 35mm DIN Rail or Screw;
- 10.Casing material: metal;
- 11.IP rating: IP30.

Power Interface

Power interface is shown as below:



Pin	Function
1	GND
2	NC (Not Connected)
3	24V+, DC

Features

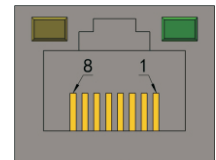
- Redundant power input
- Wide operating temperature range: -40°F to 167°F (-40°C to 75°C)
- Broadcast storm protection
- Ring network redundant communication that supports fast self-healing
- Built-in web for easy configuration
- Support rail and screw installation

Appearance



Ethernet Interface

Ethernet interface uses RJ-45 connector; its pin (standard Ethernet signal) is defined as below:

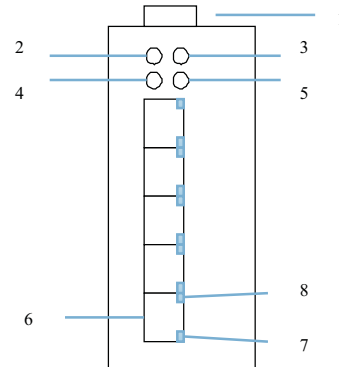


Pin	Description
S1	TXD+, Tranceive Data+, Output
S2	TXD-, Tranceive Data-, Output
S3	RXD+, Receive Data+, Input
S4	Bi-Directional Data+
S5	Bi-Directional Data-
S6	RXD-, Receive Data-, Input
S7	Bi-Directional Data+
S8	Bi-Directional Data-

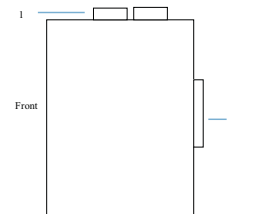
Layout

1. Two power input ports (redundant)
2. Power input P1 indicator
3. Power input P2 indicator
4. NS: Network status indicator
5. R/F: Redundant/fault indicator
6. 10/100BaseT(X) Ports (RJ45)
7. Speed indicator: light on indicates 100M connection, light off indicates 10M connection
8. Link/Act indicator: when the light is on, the line connection is normal, and the flashing indicates that there is data traffic
9. Rail frame

Front layout:



Side layout:



Indicators

Indicator	Status	Description
P1	On	Power supply 1 is connected normally.
	Off	Power supply 1 is not connected.
P2	On	Power supply 2 is connected normally.
	Off	Power supply 2 is not connected.
NS	Green On	Network initialization is complete and normal.
	Red Blinking	Network initialization: Get IP settings via DHCP
R/F	Green On	Redundant indication: Ring Master, Dual Homing, Ring Coupling(Primary), Ring Coupling(Backup)
	Red Blinking 0.5Hz	Fault-A
	Red On	Fault-B
	Red Blinking, On 0.8s, Off 0.2s	Fault-C
	Off	There is no fault as slave, not set.
NS and R/F red and Green light	The light is on at the same time and then extinguished.	System startup status
NS and R/F Red	The light is blinking, at the same time, the frequency is 1Hz	Restore factory settings with the button
10/100M	On	100BaseT(X) Ports
	Off	10BaseT(X) Ports
Link/Act	On	The port is connected
	Blinking	The port has data transmission and reception
	Off	The port is not connected