MARK VIE ESWB

Product Data Sheet

IS420ESWBH3AX

Industrial Ethernet IONet switch

COPPER NETWORK PORTS	COPPER ETHERNET SPEED	FIBER PORTS	POWER SUPPLY INPUTS
16, ESWB H3A family	**10/100BASE-TX**	**0, H3A configuration**	**2, diode-OR redundant inputs**

General Electric IS420ESWBH3AX is listed with the ESWB H3A industrial Ethernet/IONet switch configuration for Mark VIe. The confirmed H3A family arrangement provides sixteen 10/100BASE-TX RJ45 copper ports and no fiber ports, with unmanaged switching intended for the control network.

01 TECHNICAL DATA

Copper network ports	16, ESWB H3A family
Copper Ethernet speed	10/100BASE-TX
Fiber ports	0, H3A configuration
Power supply inputs	2, diode-OR redundant inputs
Nominal supply	24 / 28 V DC
Maximum supply current	1 A
Network connector	RJ45, 8P8C
Copper cable category	Cat 5e UTP
Minimum packet buffer	256 KB
MAC address table	4 K addresses

GE GEI-100869A, July 2019, ESWB H3A common configuration, pages 1 and 3.

02 ADDITIONAL PRODUCT DATA

Duplex selection	Full / half, automatic negotiation
Cooling method	Natural convection
Operating temperature	-40 to 70 C
Storage temperature	-40 to 85 C
Environmental corrosion class	G3 compliant

03 PRODUCT FUNCTION

The ESWB family supports automatic speed and duplex negotiation, a minimum 256 KB packet buffer and a 4 K MAC address table. Two diode-OR power inputs accept nominal 24 or 28 V DC, with a 1 A maximum supply requirement. The family is convection-cooled and supports DIN-rail mounting with a separately selected clip; no additional electrical meaning is assigned to the terminal X.

04 SYSTEM COMPATIBILITY

Connect the two power-input paths in accordance with the approved panel distribution. The ESWB family uses diode-OR inputs for nominal 24/28 V DC sources and a 1 A maximum demand; maintain the designed redundant-source separation.

05 REFERENCE

GE GEI-100869A, July 2019, ESWB H3A common configuration, pages 1 and 3.

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