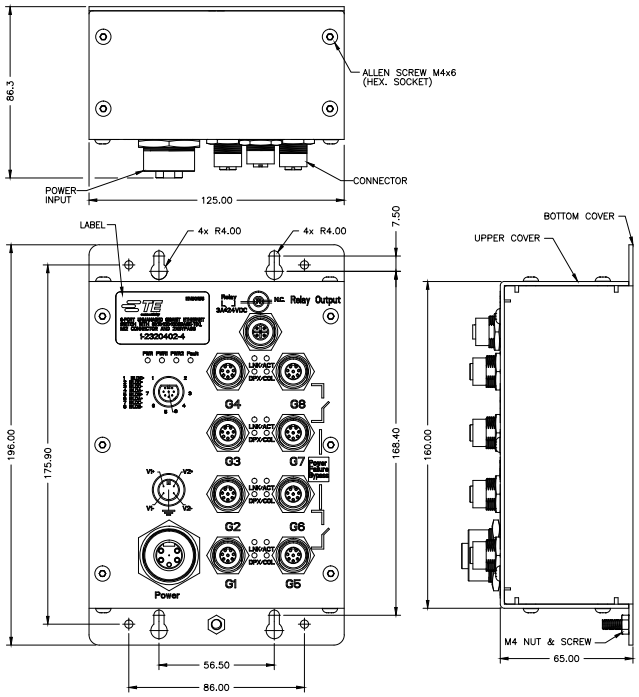
8-PORT EN50155 GIGABIT ETHERNET SWITCH

1GBPS UNMANAGED ETHERNET SWITCH WITH 2X BYPASS

The 8-port EN50155 Gigabit Ethernet switches are designed for industrial applications, such as rolling stock, vehicle, and railway applications. The products are EN50155 compliant, unmanaged Ethernet switches with eight (8x) 10/100/1000Base-T(X) ports. The 8-port Ethernet switches use M12 connectors to guarantee reliable operation during though environmental conditions, such as vibration and shock. The 8-port Gigabit ethernet switch includes 2 bypass ports that protect the network from failures by ensuring network integrity during power loss. Furthermore they are provided with reversed polarity protection, overcurrent protection, redundant power inputs and broadcast storm protection

Technical Drawing



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Part Number				
	1-2320402-4	1-2320402-1	1-2320402-2	1-2320402-3
Physical ports				
10/100/1000Base-T(X) Ports	8 x M12 connector (8-pin M12 A-coding)			
Technology				
Ethernet Standards	IEEE 802.3 for 10Base-T IEEE 802.3u for 100Base-TX IEEE 802.3ab for 1000Base-T IEEE 802.3x for Flow control			
MAC Table	8K MAC addresses			
Processing	Store-and-Forward			
LED Indicators				
Power indicator	Green : Power LED x 3		Green : Power LED x 1	
Fault Indicator	Amber : Indicate PWR1 or PWR2 failure			
10/100/500Base-T(X) M12 port indicator	Top for port Link/Act indicator. Green for 1Gbps link, Amber for 10/100 Mbps link Bottom Amber for Duplex / Collision indicator			
Fault contact				
Relay	Relay output to carry capacity of 3A at 24VDC on M12 connector (5-pin A-coding)			
Power				
Redundant Input Power	Dual DC inputs. 12~48VDC on 5-pin M23 connector		72~110VDC power input on 5-pin M23 connector	
Power Consumption (Typ.)	2.88W	6.24W	7.88W	11.24W
Overload Current Protection	Present			
Reverse Polarity Protection	Present			
Physical Data				
Ingress Protection	IP-40			
Dimensions (W x D x H)	125 x 65 x 196 mm			
Weight	967g	1007g	1195g	1235g
Environmental				
Storage Temperature	-40 to 85˚C (-40 to 185˚F)			
Operating Temperature	-40 to 70˚C (-40 to 158˚F)			
Operating Humidity	5% to 95% Non-condensing			
Cable Data				
EMI	FCC Part 15, CISPR (EN55022) class A, EN50155 (EN50121-3-2, EN55011, EN50121-4)			
EMS	EN61000-4-2 (ESD), EN61000-4-3 (RS), EN61000-4-4 (EFT), EN61000-4-5 (Surge), EN61000-4-6 (CS), EN61000-4-8, EN61000-4-11			
Shock & Vibration	IEC60068-2-27, IEC600068-2-6, IEC60068-2-32, EN61373			