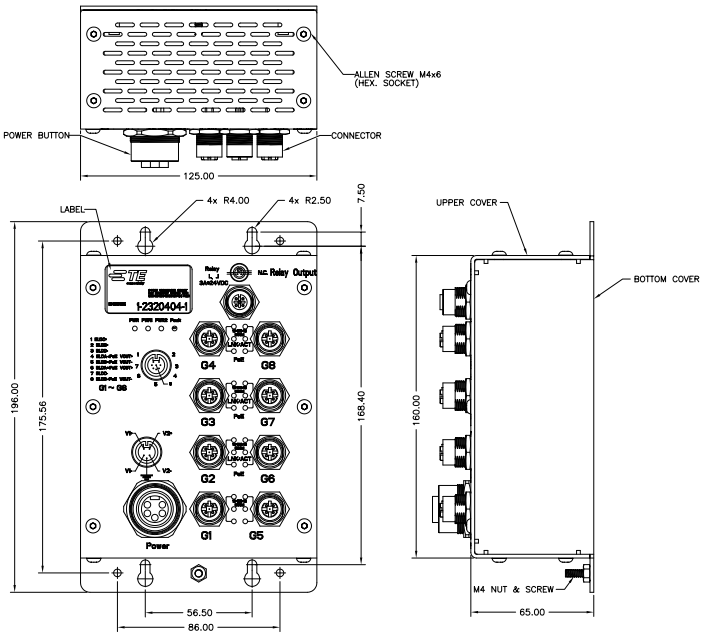
8-PORT EN50155 GIGABIT POE ETHERNET SWITCH

1GBPS UNMANAGED ETHERNET SWITCH WITH POE AND 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) 10/100/500/1000Base-T(X) P.S.E. ports. The 8-port Ethernet POE switches use M12 connectors to guarantee reliable operation during though environmental conditions, such as vibration and shock. The 8-port Gigabit POE ethernet switch includes 2 bypass ports that protect the network from failures by ensuring network integrity during power loss. The 5-port PoE switch also supports Power over Ethernet, a system to transmit electrical power, along with data, to remote devices over standard twisted-pair cable in an Ethernet network. Furthermore they are provided with reversed polarity protection, overcurrent protection, redundant power inputs and broadcast storm protection

Technical Drawing



Part Number				
	1-2320404-4	1-2320404-1	1-2320404-5	1-2320404-6
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 IEEE 802.3at compliant PoE specification (Maximum 30Watts per port)			
MAC Table	4K 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 and POE indicator	Top for 10/100/1000Mbps port Link/Act indicator. Green for 1Gbps link, Amber for 10/100 Mbps link Middle Amber for 500Mbps port Link/Act indicator Bottom blue for PoE Injected 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. 12~57VDC 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
PoE Output Power	60Watts (12~24VDC), 120 Watts (24~57VDC)		TBD	
Overload Current Protection	Present			
Reverse Polarity Protection	Present			
Physical Data				
Ingress Protection	IP-30			
Dimensions (W x D x H)	125 x 65 x 196 mm			
Weight	979g	1001g	979g	1001g
Environmental				
Storage Temperature	-40 to 85˚C (-40 to 185˚F)			
Operating Temperature	-40 to 75˚C (-40 to 167˚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			