

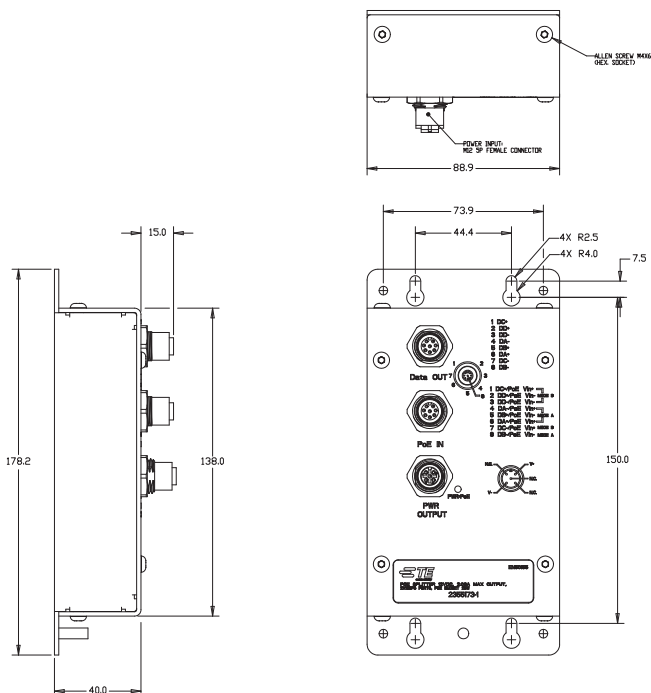


1-PORT EN50155 POE SPLITTER

1-PORT GIGABIT POWER OVER ETHERNET SPLITTER 24VDC

TE's EN50155 compliant PoE Splitters are designed for industrial applications, such as rolling stock, vehicle, and railway applications. 2355173 series are high power PoE Splitters for use in Power over Ethernet systems and are compliant with EN50155. The series is specifically designed for the toughest industrial environments. The 2355173 PoE Splitters are equipped with M12 connectors to ensure tight, robust connections, and guarantee reliable operation. They protect against environmental disturbances, such as vibration and shock. With its PoE Ethernet Input (data + power) port and Output (data only) port, the splitter can split power from an existing PoE connection and convert up to 24VDC/1A or 12VDC/2A for applications such as Wireless APs, Security cameras and IP Phones.

Dimensions



GIGABIT EN50155 POE SPLITTER

Characteristics

Part Number		
	2355173-1	2355173-2
Physical ports		
10/100/1000Base-T(X) Port with PoE Input in M12 Auto MDI/MDIX	1 x M12 connector (8-pin female M12 A-coding)	
10/100/1000Base-T(X) Output Port in M12 Auto MDI/MDIX	1 x M12 connector (8-pin female M12 A-coding)	
Power Output Connector	1 x M12 connector (5-pin female M12 A-coding)	
Operating voltage		
Input Voltage	36 ~ 57VDC	
Output Voltage	12VDC @2A max.	24VDC @ 1A max.
LED Indicator		
Power Indicator	PWR/Ready: 1x LED	
	Green On: Power is on and functioning normally	
Protection		
Short circuit Protection	Present	
Overload Protection	Present	
Physical Characteristics		
Enclosure	IP-40	
Dimensions (WxDxH)	88.9 x 40 x 178.2mm (3.5 x 1.57 x 7")	
Weight (g)	385 gram	
Environmental		
Storage Temperature	-40 to 80 °C (-40 to 176 °F)	
Operating Temperature	-40 to 75 °C (-40 to 167 °F)	
Operating Humidity	5% to 90% non condensing	
Regulatory approvals		
EMC	CE EMC (EN 55024, EN 55032), FCC Part 15 B EN 61000-3-2, EN 61000-3-3, EN 50155 (EN 50121-1, EN 50121-3-2)	
EMI	EN 55032, CISPR 32, FCC Part 15B class A	
EMS	EN55024, (IEC/EN 61000-4-2 (ESD), IEC/EN 61000-4-3 (RS), IEC/EN 61000-4-4 (EFT), IEC/EN 61000-4-5 (Surge), IEC/EN 61000-4-6 (CS), IEC/EN 61000-4-8 (PFMF), IEC/ EN61000-4-11 (DIP))	
Shock, freefall, vibration	IEC 60068-2-27, IEC 60068-2-31, IEC 60068-2-6	
Safety	IEC/ EN 60950-1	
MTBF	2,397,243 hrs	2,403,907 hrs

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Pin Assignments

PoE Mode A - 1000 Base-T				
Pin	M12 Input (Data and Power)		M12 Output (Data Only)	
	Symbol	Description	Symbol	Description
1	BI_DA+ (Vdc+)	Data + Power (+)	BI_DA+	Data
2	BI_DA- (Vdc+)	Data + Power (+)	BI_DA-	Data
3	BI_DB+ (Vdc-)	Data + Power (-)	BI_DB+	Data
4	BI_DC+	Data	BI_DC+	Data
5	BI_DC-	Data	BI_DC-	Data
6	BI_DB- (Vdc-)	Data + Power (-)	BI_DB-	Data
7	BI_DD+	Data	BI_DD+	Data
8	BI_DD-	Data	BI_DD-	Data

PoE Mode A - 10/100 Base-T(X)				
Pin	M12 Input (Data and Power)		M12 Output (Data Only)	
	Symbol	Description	Symbol	Description
1	Rx+ (Vdc+)	Data + Power (+)	Rx+	Data
2	Rx- (Vdc+)	Data + Power (+)	Rx-	Data
3	Tx+ (Vdc-)	Data + Power (-)	Tx+	Data
6	Tx- (Vdc-)	Data + Power (-)	Tx-	Data

PoE Mode B - 1000 Base-T				
Pin	M12 Input (Data and Power)		M12 Output (Data Only)	
	Symbol	Description	Symbol	Description
1	BI_DA+	Data	BI_DA+	Data
2	BI_DA-	Data	BI_DA-	Data
3	BI_DB+	Data	BI_DB+	Data
4	BI_DC+ (Vdc+)	Data + Power (+)	BI_DC+	Data
5	BI_DC- (Vdc+)	Data + Power (+)	BI_DC-	Data
6	BI_DB-	Data	BI_DB-	Data
7	BI_DD+ (Vdc-)	Data + Power (-)	BI_DD+	Data
8	BI_DD- (Vdc-)	Data + Power (-)	BI_DD-	Data

PoE Mode B - 10/100 Base-T(X)				
Pin	M12 Input (Data and Power)		M12 Output (Data Only)	
	Symbol	Description	Symbol	Description
1	Rx+	Data Receive	Rx+	Data
2	Rx-	Data Receive	Rx-	Data
3	Tx+	Data Transmit	Tx+	Data
4	Vdc+	Power (+)	NC	Not Connected
5	Vdc+	Power (+)	NC	Not Connected
6	Tx-	Data + Power (-)	Tx-	Data
7	Vdc-	Power (-)	NC	Not Connected
8	Vdc-	Power (-)	NC	Not Connected