

EN50155 Ethernet Switch



Features

- Leading EN50155-compliant Ethernet switch for rolling stock application
- Support auto-negotiation and auto-MDI/MDI-X
- Support store and forward transmission
- Support flow control
- Warning system by relay output
- Ultra-rugged enclosure for toughest industrial usages
- Wall mounting enabled



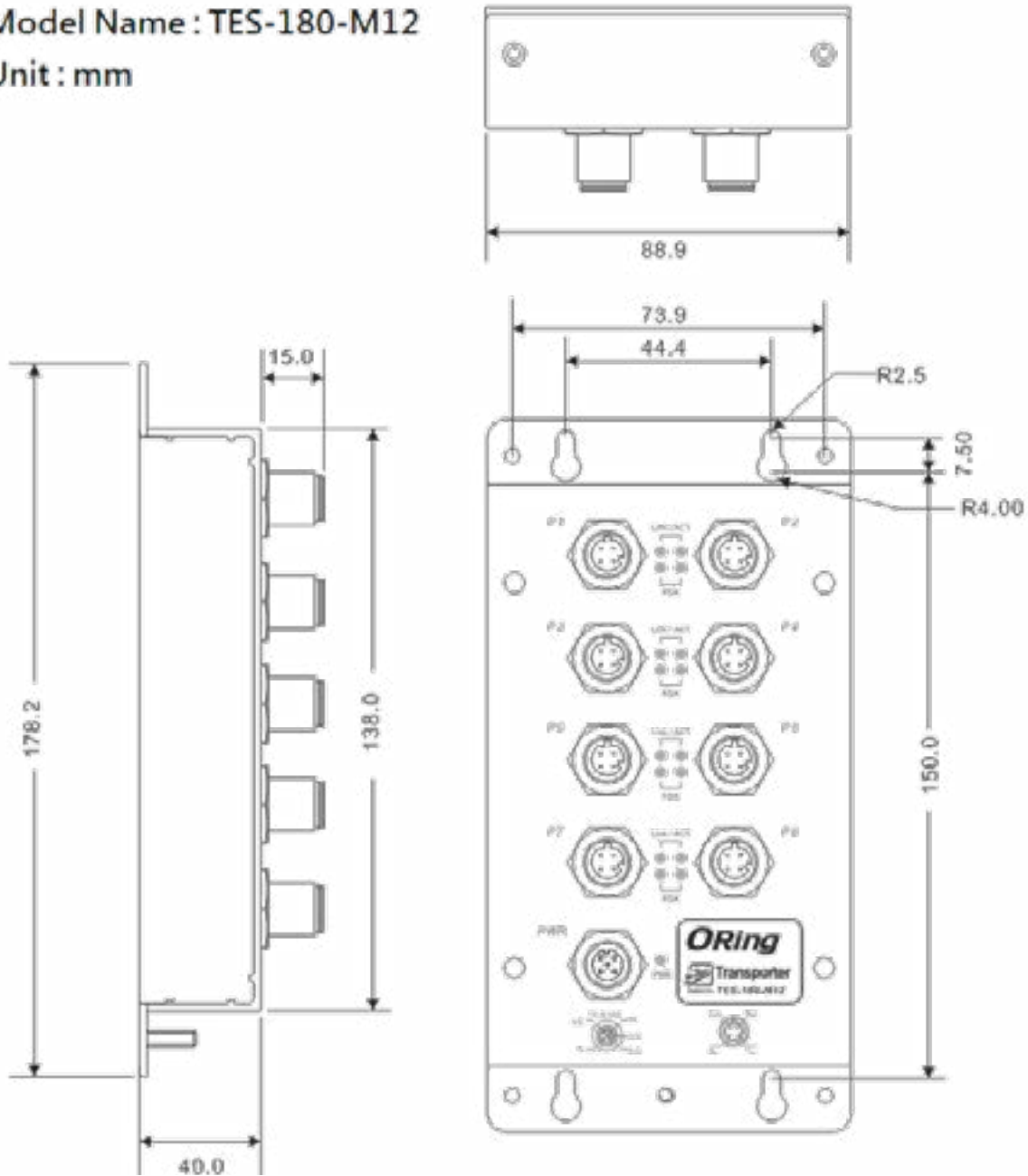
TES-180-M12

EN50155 Ethernet Switch

Dimension

Model Name : TES-180-M12

Unit : mm



Specifications

ORing Switch Model	TES-180-M12
Physical Ports	
10/100 Base-T(X) Ports in M12 Auto MDI/MDIX	8 x M12 connector (D-coding)
Technology	
Ethernet Standards	IEEE 802.3 for 10Base-T IEEE 802.3u for 100Base-TX IEEE 802.3x for Flow control
MAC Table	8192 MAC addresses
Processing	Store-and-Forward
LED Indicators	
Power Indicator	Green : Power LED
Fault Indicator	Amber : Indicate power failure event
10/100Base-T(X) M12 Port Indicator	Green for port Link/Act. Amber for Duplex/Collision
Power	
Input Power	12~48VDC on M12 connector
Power Consumption (Typ.)	4.32 Watts
Overload Current Protection	Present
Reverse Polarity Protection	Present
Physical Characteristic	
Enclosure	IP-40
Dimension (W x D x H)	88.9 (w) x 40 (D) x178.2 (H) mm
Weight (g)	510 g
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
Regulatory approvals	
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, EN61000-4-9, EN61000-4-11
Shock	IEC60068-2-27, EN61373
Free Fall	IEC60068-2-32
Vibration	IEC60068-2-6, EN61373
Safety	EN60950-1
Warranty	5 years

Ordering Information

TES-1 **AA** - M12

Code
Definition 10/100Base-T(X) Port Number

Option - 80: 8 ports

Available Model	Model Name	Description
	TES-180-M12	EN50155 compact size 8-port unmanaged Ethernet switch with 8x10/100Base-T(X), M12 connector

Packing List

- TES-180-M12 x 1
- Quick Installation Guide x 1

Optional Accessories

- DR-45 series : 45 Watts DIN-Rail power supply
- DR-120 series : 120 Watts DIN-Rail power supply
- DR-75 series : 75 Watts DIN-Rail power supply