Specifications

Stratix 8000 and 8300 Switches

Attribute	1783-MS06T, 1783-MS10T, 1783-RMS06T, 1783-RMS10T
Temperature, operating IEC 60068-2-1 (Test Ad, Operating Cold) IEC 60068-2-2 (Test Bd, Operating Dry Heat) IEC 60068-2-14 (Test Nb, Operating Thermal Shock)	-40 °C < Ta < +60 °C (-40 °F < Ta < +140 °F)
Temperature, surrounding air, max	60 °C (140 °F)
Enclosure type rating	None (open-style)
Power input	2 A max, 18…60V DC, CL 2/SELV
Alarm relay	1A max, 30V DC max, CL 2/SELV
Isolation voltage	75 V (continuous), basic insulation type, power to ground, power to network channels, and power to alarm. No isolation between individual Ethernet ports No isolation between Console port and system
Wire size, Ethernet connections	RJ45 connector according to IEC 60603-7, 2 or 4 pair Category 5e minimum cable according to TIA 568-B.1 or Category 5 cable according to ISO/IEC 24702
Wire size, power and alarm connections	0.5… 0.8 mm^2 (20…18 AWG) solid or stranded copper wire rated at 90 °C (194 °F) or greater, 1.2 mm (3/64 in.) insulation, max
Wire size, ground connection	3.3…5.3 mm^2 (12…10 AWG) solid or stranded copper wire rated at 75 °C (167 °F) or greater
Screw torque, power and alarm terminals	0.23 N•m (2.0 in•lb)
Screw torque, ground terminals	0.96 N•m (8.5 in•lb)
Pilot duty rating	Alarm not rated
North American temp code	T4
ATEX temp code	T4

Stratix 8000 and 8300 Expansion Modules

Attribute	1783-MX04E	1783-MX04T04E	1783-MX08T	1783-MX08F	1783-MX04S	1783-MX08S
Temperature, operating IEC 60068-2-1 (Test Ad, Operating Cold) IEC 60068-2-2 (Test Bd, Operating Dry Heat) IEC 60068-2-14 (Test Nb, Operating Thermal Shock)	-40 °C < Ta < +60 °C (-40 °F < Ta < +140 °F)					
Temperature, surrounding air, max	60 °C (140 °F)					
Enclosure type rating	None (open-style)					
Backplane power	3.3V DC @ 0.94 A	3.3V DC @ 1.08 A	3.3V DC, 1.7 A max	3.3V DC, 3.6A max	3.3V DC, 2.5 A max	3.3V DC, 4.0 A max
PoE power, max	48/54V DC, 2.5 A	48/54V DC, 2.4 A	—			
Isolation voltage	60V (continuous), basic insulation type, expansion backplane to network ports, expansion backplane to power ports, and power ports to network ports. No isolation between individual network ports.		75V (continuous), basic insulation type, expansion backplane to network channels. No isolation between individual Ethernet ports.	—		
Wire size, Ethernet connections	RJ45 connector according to IEC 60603-7, 2 or 4 pair Category 5e minimum cable according to TIA 568-B.1 or Category 5 cable according to ISO/IEC 24702					
Screw torque, PoE power	0.23 N•m (2.0 in•lb)		—			
North American temp code	T4					
ATEX temp code	T4					