

## | POE SWITCHES



With their modern design, Murrelektronik Tree PoE switches are ideal for industrial applications that require compact solutions. The metal housing can withstand a variety of conditions including power input voltage, shock, drop and vibration. The wide operating temperature range of -40°C to 75°C and compliance with essential sections of UL/CB(IEC) 62368-1, and MIL-STD-810F make this your “go to” when you are looking for a PoE switch.

These switches are available with an optional voltage booster for PoE end devices. Available on the 24V models, the PoE Voltage Boost raises the input voltage of power inputs from as low as 12V to provide Power over Ethernet to end devices. This removes the need for additional, separate power inputs, which can often be costly and space-consuming.

The Murrelektronik Tree PoE switches feature up to 8 10/100/1000BASE-T(X). This supports a port configuration mix of up to 8 non-PoE ports and/or 8 x PoE ports, as well as up to two 100 BASE-FX / 1000 BASE-X ports with SFP slots on selected models.

### Related MURRELEKTRONIK Products

Xelity



Xenterra



RJ45 Pro



RJ45 Heavy Duty



Ethernet Cable



					
<b>Article Number</b>	<b>58190</b>	<b>58191</b>	<b>58192</b>	<b>58193</b>	<b>58194</b>
Ports	4 x PoE (48V) 1 x non PoE	4 x PoE (48V) 1 x non PoE 1 x SFP	4 x PoE (48V) 4 x non PoE	8 x PoE	4 x PoE (48V) 4 x non PoE 1 x SFP
Supply Connector	Screw Terminals (.2-2.5mm <sup>2</sup> )				
Temperature Range	-40 - 70°C (storage temperature -40 - 85°C)		-40 - 75°C (storage temperature -40 - 85°C)		
Dimensions (H x W x D)	110 x 32 x 90mm		145 x 54 x 113mm		
Status Display	LED				
Operating Voltage	12-57V DC				
Max. Power	130W (45-52V)		60W (12-23V) / 120W (24-57V)		
Max. Power/Port	≤ 15.4W (<50V) - 802.3af / ≤ 30W (>51V) - 802.3at				
Jumbo Frames	Yes - 10k Byte				
Transfer Rate	RJ45 10/100/1000Mbps full duplex	RJ45 10/100/1000Mbps SFP 100/1000Mbps full duplex	RJ45 10/100/1000Mbps full duplex		RJ45 10/100/1000Mbps SFP 100/1000Mbps full duplex
Mounting	DIN Rail Mounting				
Housing	Metal				
Approvals	cULus				

## | ETHERNET/ProFiNET/EtherCAT

### | RJ45 to RJ45



Poles	Jacket Color	Cable Type	Art. Number
4	Teal	TPE	7700-74301-S4U0150

### | D-CODED M12 MALE to RJ45



Poles	Jacket Color	Cable Type	Art. Number
4	Teal	TPE	7700-44711-S4Uxxxx
	Green		7700-44711-S7Vxxxx

### | A-CODED M12 MALE to RJ45



Poles	Jacket Color	Cable Type	Art. Number
8	Teal	TPE	7700-48521-S4Wxxxx

### | X-CODED M12 MALE to RJ45



Poles	Jacket Color	Cable Type	Art. Number
8	Teal	TPE	7700-51101-S4Xxxxx

## | RJ45 CABINET CABLES (Cat 6<sub>A</sub> - 10Gbit/s)



Cable	Jacket Color	Cable Type	Art. Number
.14m <sup>2</sup> wire cross section (AWG26)	Gray	FRNC/LSOH	7000-74711-778xxxx

**For All Cable Styles:**  
xxxx = Cable Length in Meters (m)

1m - 0100  
3m - 0300

5m - 0500  
7.5m - 0750

10m - 1000