

## Managed Switches

### Managed Switches

The **FL SWITCH 3000** industrial managed switches provide scalable power for application flexibility and ease of use.

#### Features:

- Standard (-10 °C ... 60 °C) and wide temperature (-40 °C ... 75 °C) devices available
- Extended Ring Redundancy provides a 15 ms recovery time
- Extensive IEEE and security functions

#### Ethernet



5/8 RJ45 ports

#### Ethernet



16 RJ45 ports



	Technical data		Technical data			
	FL SWITCH 3005	FL SWITCH 3008T	FL SWITCH 3016	FL SWITCH 3016T		
Ethernet interface						
Number of ports	5 (RJ45 ports)	8 (RJ45 ports)	16 (RJ45 ports)			
Transmission speed	10/100 Mbps (with auto negotiation)		10/100 Mbps (with auto negotiation)			
Fiber optic interface						
Number of ports	-		-			
Transmission speed	-		-			
Wavelength	-		-			
Transmission length	-		-			
Function	Managed switch		Managed switch			
Basic functions	LEDs: U <sub>S1</sub> , U <sub>S2</sub> (redundant voltage supply), link and activity per port		LEDs: U <sub>S1</sub> , U <sub>S2</sub> (redundant voltage supply), link and activity per port			
Status and diagnostics indicators						
Power supply						
Supply voltage	24 V DC (redundant)		24 V DC (redundant)			
Residual ripple	3.6 V <sub>PP</sub>		3.6 V <sub>PP</sub>			
Supply voltage range	12 V DC ... 48 V DC		12 V DC ... 48 V DC			
Typical current consumption	200 mA (at U <sub>S</sub> = 24 V DC)	210 mA (at U <sub>S</sub> = 24 V DC)	312 mA (24 V DC)			
General data						
Dimensions	54.4 mm / 146.4 mm / 125 mm		66 mm / 173 mm / 140 mm			
Degree of protection	IP20		IP20			
Ambient temperature (operation)	-10 °C ... 60 °C	-40 °C ... 75 °C	-10 °C ... 60 °C	-40 °C ... 75 °C		
Permissible humidity (operation)	5 % ... 95 % (non-condensing)		5 % ... 95 % (non-condensing)			
Noise emission	EN 61000-6-4		EN 61000-6-4			
Noise immunity	EN 61000-6-2:2005		EN 61000-6-2:2005			
	Ordering data			Ordering data		
Description	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
<b>Ethernet switch</b>	<b>FL SWITCH 3005</b>	<b>2891030</b>	1	<b>FL SWITCH 3016</b>	<b>2891058</b>	1
- 5 RJ45 ports	<b>FL SWITCH 3008</b>	<b>2891031</b>	1			
- 8 RJ45 ports						
- 16 RJ45 ports				<b>FL SWITCH 3016T</b>	<b>2891059</b>	1
<b>Ethernet switch, wide temperature</b>	<b>FL SWITCH 3005T</b>	<b>2891032</b>	1			
- 5 RJ45 ports	<b>FL SWITCH 3008T</b>	<b>2891035</b>	1			
- 8 RJ45 ports						
- 16 RJ45 ports						
- 4 RJ45 ports, 1 SC FO port						
- 4 RJ45 ports, 1 ST FO port						
- 6 RJ45 ports, 2 SC FO ports						
- 6 RJ45 ports, 2 ST FO ports						