



# FL SWITCH 1000

The flexible unmanaged switch series

# Unmanaged switches in compact design – Improved data transfer in automation networks

## Your advantages

- ✓ Requires minimal space thanks to very compact design
- ✓ Gigabit versions with jumbo frames for high data throughput
- ✓ Flexible installation options
- ✓ Enhanced traffic prioritization for automation protocols
- ✓ PROFINET Conformance Class A for real-time data exchange, alarms, and diagnostics
- ✓ The PTCP filter ensures reliable data transmission in PROFINET networks

## Main Features



Suitable for industry operating temperature range -10 to 60 °C

Very narrow, only 22.5 mm

Power supply  
9 - 32 VDC  
18 - 30 VAC



Suitable for industrial and building automation protocols



Fiber connections – SC, ST or SFP



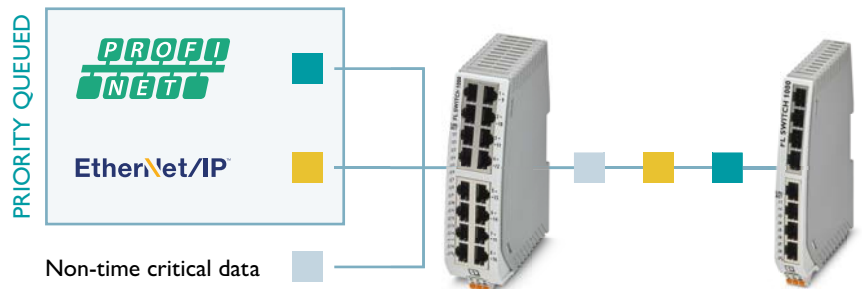
Edge-mounted port LEDs for good visibility from all sides



Push-in connector – easily removable

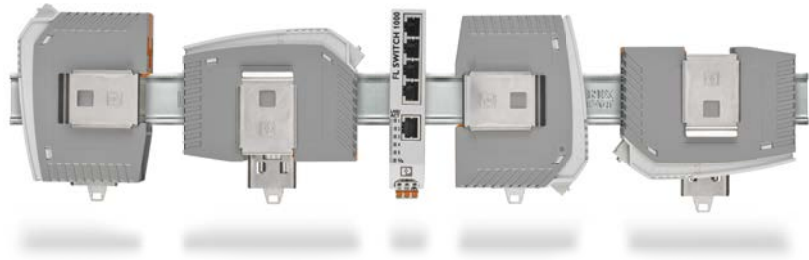
## Enhanced data traffic prioritization for automation protocols

The FL SWITCH 1100 series has an improved data packet priority optimized for time sensitive automation protocols like Profinet and EtherNet/IP. This ensures predictable and robust operations also in case of high network load.



## Versatile installation options

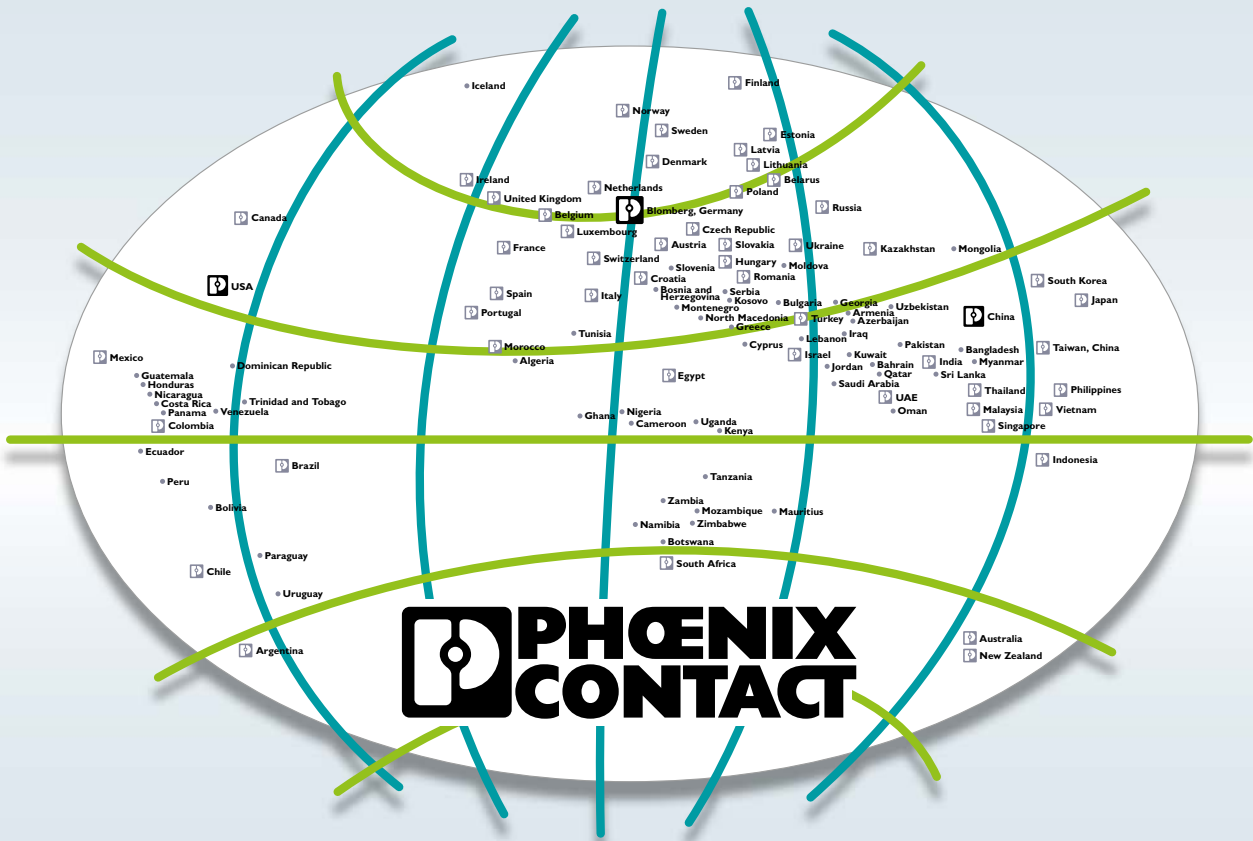
Unique mounting adapters allow you to mount the FL SWITCH 1000 and 1100 series devices flat on the DIN rail and directly on a surface. As a result, the switches can also be used in compact and flat control cabinets where space is very limited. Since the adapters are rotatable, you are free to choose the outlet direction of the connections.



## The FL SWITCH 1000 series offers a solution for every need

Order No.	Designation	Housing			Temperature range in °C	RJ45 ports		FO ports	
		Dimensions (L x W x H) mm	Material	Version		10/100 Mbit/s	1000 Mbit/s	10/100 Mbit/s	1000 Mbit/s
1085039	FL SWITCH 1005N	22,5 x 117 x 87	Plastic	Narrow	-10 ... +60	5			
1085256	FL SWITCH 1008N	22,5 x 140,4 x 92	Plastic	Narrow	-10 ... +60	8			
1085255	FL SWITCH 1016N	40 x 140,4 x 92	Plastic	Narrow	-10 ... +60	16			
1084159	FL SWITCH 1004N-FX	22,5 x 117 x 84	Plastic	Narrow	-10 ... +60	4		1 x MM SC	
1085214	FL SWITCH 1004N-FX SM	22,5 x 117 x 84	Plastic	Narrow	-10 ... +60	4		1 x SM SC	
1085179	FL SWITCH 1004N-FX ST	22,5 x 117 x 84	Plastic	Narrow	-10 ... +60	4		1 x MM ST	
1085177	FL SWITCH 1004N-SFX	22,5 x 117 x 84	Plastic	Narrow	-10 ... +60	4		1 x SFP	
1085176	FL SWITCH 1005N-2SFX	22,5 x 140,4 x 92	Plastic	Narrow	-10 ... +60	5		2 x SFP	
1085254	FL SWITCH 1105N	22,5 x 117 x 84	Plastic	Narrow	-10 ... +60		5		
1085243	FL SWITCH 1108N	22,5 x 140,4 x 92	Plastic	Narrow	-10 ... +60		8		
1085173	FL SWITCH 1104N-SFP	22,5 x 117 x 84	Plastic	Narrow	-10 ... +60		4		1 x SFP
1085171	FL SWITCH 1105N-2SFP	22,5 x 140,4 x 92	Plastic	Narrow	-10 ... +60		5		2 x SFP
<b>Mounting adapters</b>									
1085485	FL Din-Rail Adapter 22,5	34 x 104,2 x 38,3	Metal	DIN rail					
1085484	FL Din-Rail Adapter 40	34 x 104,2 x 55,8	Metal	DIN rail					
1085488	FL Panel Adapter 22,5	24 x 104,2 x 38,3	Metal	Panel					
1085486	FL Panel Adapter 40	34 x 104,21 x 55,8	Metal	Panel					
<b>SFP modules</b>									
Order No.	Designation	Transmission length	Connector	Wave-length	Temperature range in °C	Media transfer rate and type			
2891754	FL SFP SX	1 km	LC	850 nm	-40 ... +75	Gigabit			MM
2891081	FL SFP FX	2 km	LC	1310 nm	-40 ... +85	100 Mbps		MM	
2702397	FL SFP SX2	2 km	LC	1310 nm	-40 ... +75	Gigabit			MM
2891767	FL SFP LX	30 km	LC	1310 nm	-40 ... +85	Gigabit			SM/MM
2891082	FL SFP FX SM	40 km	LC	1310 nm	-40 ... +85	100 Mbps		SM	
2989912	FL SFP LH	80 km	LC	1550 nm	-40 ... +85	Gigabit			SM
2989420	FL SFP GT	100 m	RJ45	-	-40 ... +85	Gigabit	Cu		

More information: <https://phoe.co/switch1000>



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Our wide variety of innovative products makes it easy for our customers to implement the latest technology in a variety of applications and industries. We focus on developing the fields of energy, infrastructure, process, and factory automation.

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