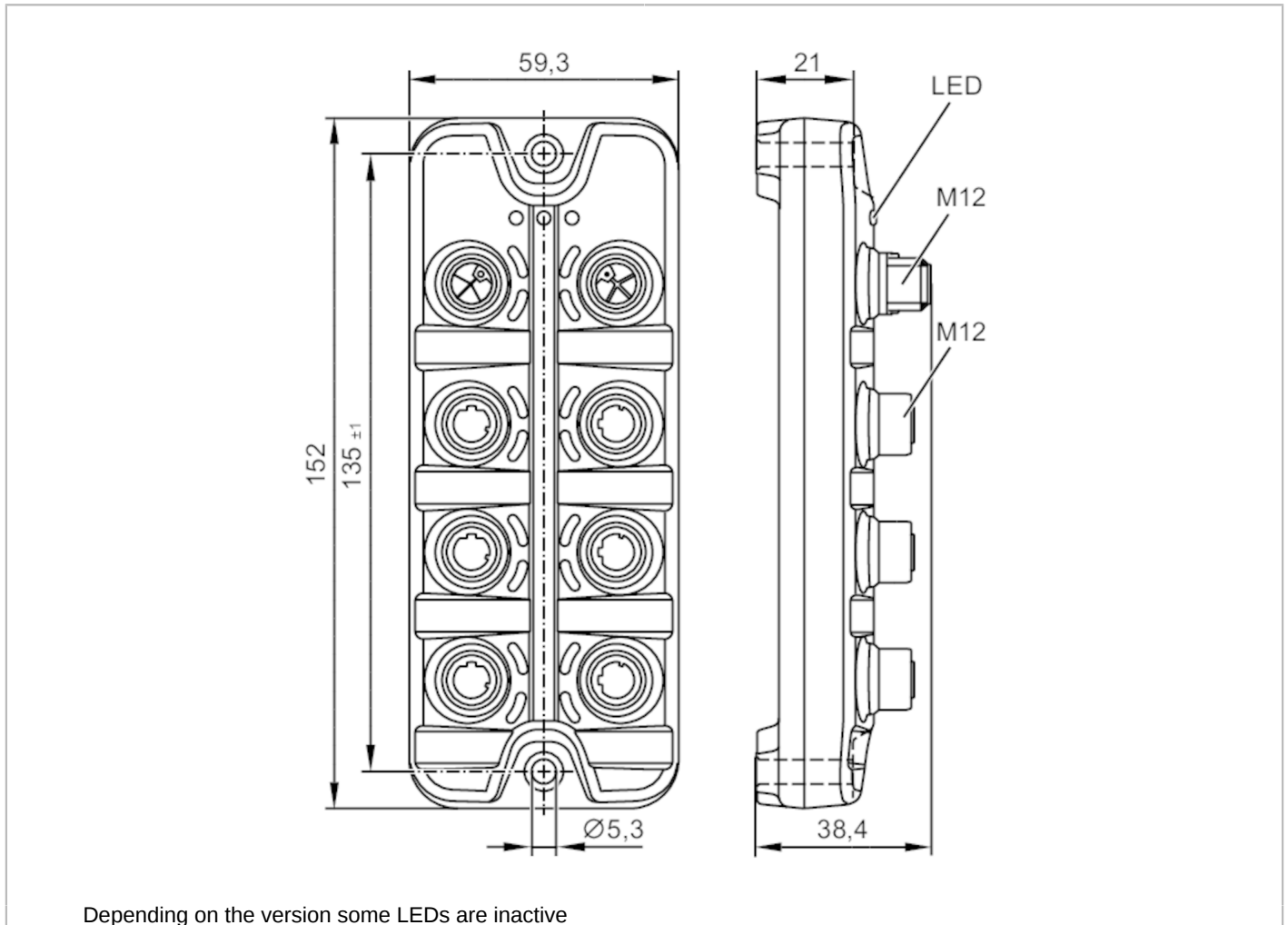


AL3100



PROFINET-Switch

ETH Switch PFL PN-A 6P IP67



Depending on the version some LEDs are inactive



Application	
Design	unmanaged switch for field applications
Application	für PROFINET-Netzwerke
Daisy-chain function	power supply
Electrical data	
Operating voltage [V]	8...32 DC; ((US ; to SELV/PELV))
Nominal voltage DC [V]	12 / 24
Current consumption [mA]	100; (US; 24 V: 50 mA)
Protection class	III
Reverse polarity protection	yes
Interfaces	
Communication interface	Ethernet
Number of Ethernet interfaces	6
Transmission standard	10Base-T; 100Base-TX
Transmission rate	10 MBit/s; 100 MBit/s

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Note on interfaces	PROFINET Conformance Class A (CC-A)
	processing type: Store and Forward
	auto polarity
	auto negotiation
	auto MDI-X
	QoS (Quality of Service): IEEE 802.1p, IEEE 802.1Q
	priority queues: 4
	MAC table size: 2000 addresses
	blocking: LLDP, PTCIP 01:80:C2:00:00:0E

Operating conditions	
Ambient temperature [°C]	-25...70
Storage temperature [°C]	-25...85
Max. relative air humidity [%]	90
Max. height above sea level [m]	4000
Protection	IP 65; IP 66; IP 67
Protection rating (NEMA 250)	6P
Pollution degree	2
Chemical media	ISO 16750-5 NEMA 250 5.13.1
	AA, BA, BD, HLP, CC, DB, DC, DD, CA AA

Tests / approvals		
EMC	UN/ECE-R10 noise emission and noise immunity:	100 V/m
	DIN EN 61000-6-2 ESD	
	DIN EN 61000-6-4 Burst	
	ISO 7637-2 pulse 1	severity level 4 / function state C (12 V)
	ISO 7637-2 pulse 2a	severity level 4 / function state A (12 V)
	ISO 7637-2 pulse 2b	severity level 4 / function state C (12 V)
	ISO 7637-2 pulse 3a	severity level 4 / function state A (12 V)
	ISO 7637-2 pulse 3b	severity level 4 / function state A (12 V)
	ISO 7637-2 pulse 4	severity level 4 / function state A (12 V)
	ISO 7637-2 pulse 5a	severity level 3 / function state A (12 V)
	ISO 7637-2 pulse 1	severity level 4 / function state C (24 V)
	ISO 7637-2 pulse 2a	severity level 4 / function state A (24 V)
	ISO 7637-2 pulse 2b	severity level 4 / function state C (24 V)
	ISO 7637-2 pulse 3a	severity level 4 / function state A (24 V)
	ISO 7637-2 pulse 3b	severity level 4 / function state A (24 V)
	ISO 7637-2 pulse 4	severity level 4 / function state A (24 V)
	Shock resistance	DIN EN 60068-2-27
Fast temperature change	EN 60068-2-30	
	EN 60068-2-78	
	EN 60068-2-52	
Vibration resistance	DIN EN 60068-2-64	
	DIN EN 60068-2-6	
	EN 60068-2-27	

Mechanical data	
Weight [g]	315.15
Materials	housing: PA orange; socket: brass nickel-plated
Sealing material	FKM



PROFINET-Switch

ETH Switch PFL PN-A 6P IP67

Remarks

Remarks	For further information please see the operating instructions.
Pack quantity	1 pcs.

Electrical connection - Ethernet

Connector: 6 x M12; coding: D; Sealing: FKM



X1...X6

1	TX +
2	RX +
3	TX -
4	RX -
5	n.c.

Electrical connection - power supply IN

Connector: 1 x M12; coding: L



XD1

1	+ 24 V DC (US)
2	GND (UA)
3	GND (US)
4	+ 24 V DC (UA)
5	FE

Electrical connection - power supply OUT

Connector: 1 x M12; coding: L; Sealing: FKM



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PROFINET-Switch

ETH Switch PFL PN-A 6P IP67

XD2

1	+ 24 V DC (US)
2	GND (UA)
3	GND (US)
4	+ 24 V DC (UA)
5	FE