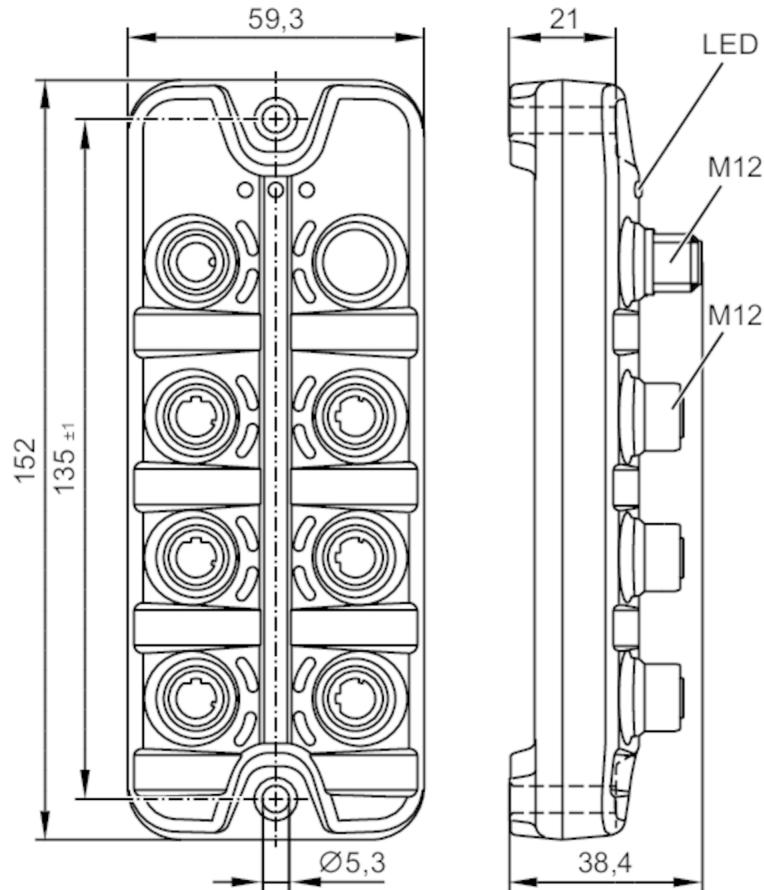


AL3051



Ethernet switch

ETH Switch SL IoT 6P IP69K



Depending on the version some LEDs are inactive



Application

Design	unmanaged switch for field applications
Application	for TCP/IP networks; for EtherNet/IP networks; for Modbus TCP networks

Electrical data

Operating voltage	[V]	8...32 DC; (US ; to SELV/PELV; cULus: 8...28 DC)
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

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

transmission: LLDP, PTCP 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; IP 69K; (operation with stainless steel protective caps: IP 69K)
Protection rating (NEMA 250)		6P
Pollution degree		2
Chemical media	ISO 16750-5 NEMA 250 5.13.1	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
Materials		housing: PA grey; socket: stainless steel (316L/1.4404)
Sealing material		EPDM

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Accessories

Items supplied	Protective cap: 1 x M12, stainless steel, E12542
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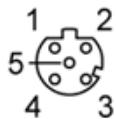
Remarks

Remarks	For further information please see the operating instructions.
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Pack quantity	1 pcs.
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Electrical connection - Ethernet

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



X01...X06

1	TX +
2	RX +
3	TX -
4	RX -
5	not used

Electrical connection - power supply

Connector: 1 x M12; coding: A



X31

1	+ 24 V DC (US)
2	not used
3	GND (US)
4	not used