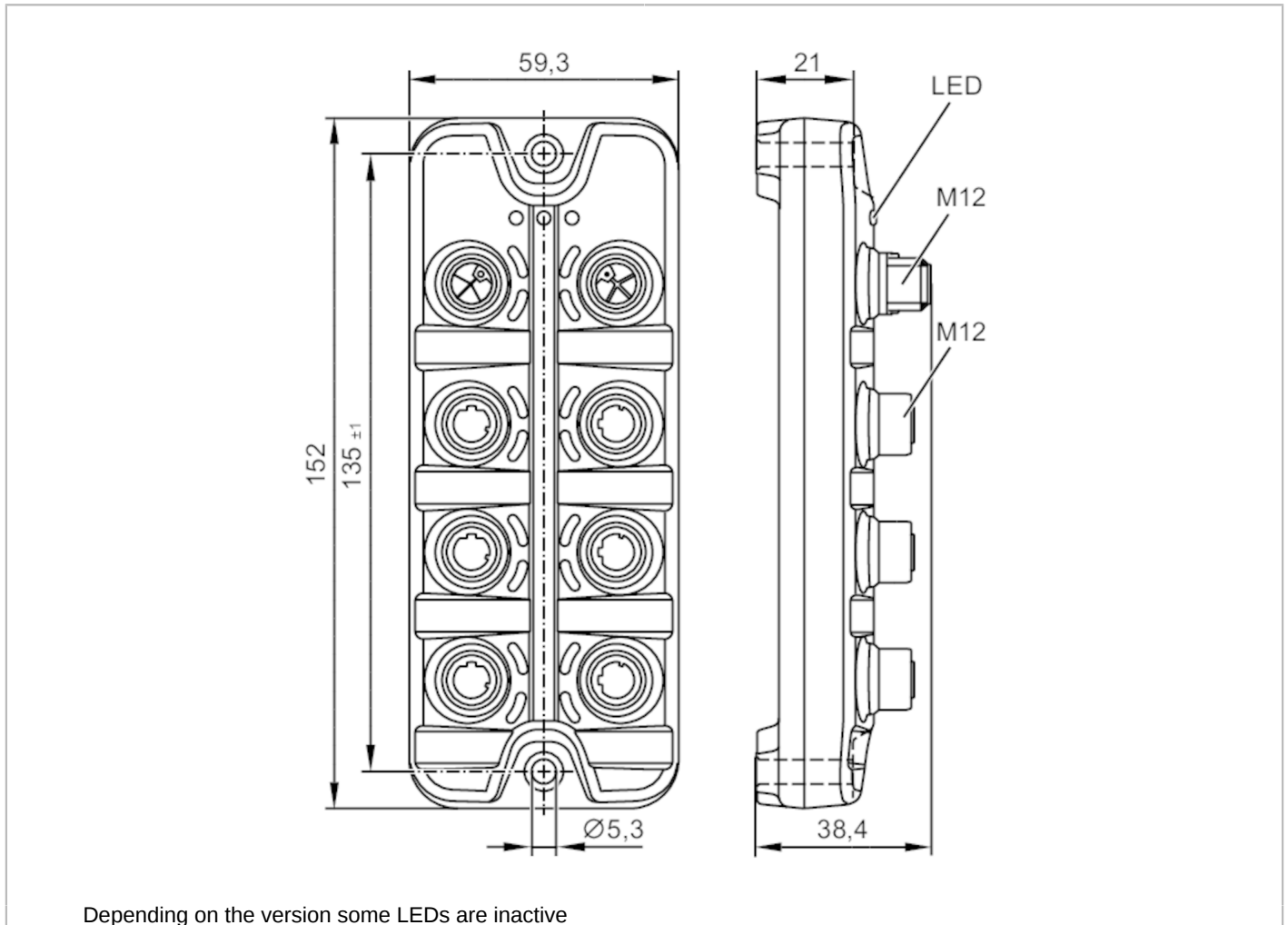


AL3150



Ethernet switch

ETH Switch PFL IoT 6P IP67



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 |
| 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 | 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 |
| Protection rating (NEMA 250) | | 6P |
| Pollution degree | | 2 |
| Chemical media | ISO 16750-5 | AA, BA, BD, HLP, CC, DB, DC, DD, CA |
| | NEMA 250 5.13.1 | 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] | 308.55 |
| Materials | | housing: PA orange; socket: brass nickel-plated |
| Sealing material | | FKM |

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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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Ethernet switch

ETH Switch PFL IoT 6P IP67

XD2

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