embedded
systems

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5-port DIN Ethernet switch with PoE injector function and QoS

ENG - Data sheet
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Application

The switch is designed as a companion product for LogicMachine Ambient and LogicMachine Reactor Lite series. It is 5-port Ethernet switch with possibility to select specific ports as passive Power-over-Ethernet outputs to power LogicMachine or other devices which support PoE. Further, the device supports quality of service - KNXnet/IP telegrams have the highest priority in LAN. Flood protection is also supported. The switch have backup powering which make the solution very reliable.

ETH 3 ETH 2 ETH 1

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Code
SW54M

10/100Mbps QoS enabled
Ethernet Switch with PoE

logicmachine.net

ETH 4 ETH 5   GND +24V GND +24V

Types of product

SWITCH   5-port DIN Ethernet switch with PoE injector function

Standards and norms compliance

CE conformity: EMBS-CE-110926/01 Electromagnetic compatibility

EMC: EN61000-6-1
                        EN61000-6-3
PCT   Certificate

Technical data:

Power supply:	12-36V DC, recommended 24V DC	2 (main and backup power; if main power supply fails, backup source is automatically used)
	Max power consumption without PoE	2.5W
Interface:	10BaseT/100BaseTX	5 with PoE-out support
	Power supply	2
Clamps:	Power	1.5mm2
Enclosure:	Material:	Polyamide
	Color:	Gray
	Dimensions:	70(W)x91(H)x32(L) mm
Protection:	IP20 according to EN 60529	
Usage temperature:	-5C … +55C	
Storage temperature:	-20C … +70C	
Weight:	150g	

⚠️ **Caution**

Security advice

The installation and assembly of electrical equipment may only be performed by skilled electrician. The devices must not be used in any relation with equipment that supports, directly or indirectly, human health or life or with application that can result danger of people, animals or real value
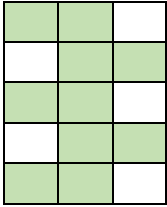
Mounting advice

The devices are supplied in operational status. The cables connections included can be clamped to the housing if required.

Electrical connection

The devices are constructed for the operation of protective low voltage (SELV). Grounding of device not needed. When switching the power supply on or off, power surges must be avoided.

Connection

PoE mode jumpers

Port 1 is in regular mode, no PoE
Port 2 is in PoE mode
Port 3 is in regular mode, no PoE
Port 4 is in PoE mode
Port 5 is in regular mode, no PoE