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FlexSwitch 1000BASE-T1

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BENEFITS

- 5-port 1000BASE-T1 switch
- Marvell transceiver 88Q2112-A2-NYD2A000
- Filter mechanisms are available to reduce the amount of data at the switch ports
- Filter options are VLAN, EtherType, Source-MAC and Target-MAC
- Supply voltage: 8-42V DC
- Status LEDs
- Binder connectors for 1000BASE-T1
- IP67
- Temperature range -40°C to +85°C

FLEXSWITCH 1000BASE-T1

FlexSwitch1000BASE-T1 is one of the first 1000BAE-T1 switches on the market and can also score with special filter mechanisms. For each port of the switch, criteria can be defined that allow blocking of certain traffic on that port. The switch thus acts as a data filter if required and can arbitrarily reduce the data traffic for downstream hardware. All functionality is implemented in hardware, so the switch has excellent real-time behavior.

SCOPE OF DELIVERY

- FlexSwitch1000BASE-T1

HARDWARE

Electrical Characteristics

Supply voltage	Min.	Typ.	Max.
Operating	+8.0 V	–	+42.0 V
Absolute maximum (non-operating)	-48.0 V	–	+48.0 V
Supply current - operating	typ: 500 mA (Usupply = 12V)		

Table 1: Electrical characteristics

Physical Characteristics

Connectors	Binder series 702/712 – 2pol. & Binder series 702/712 – 8pol.
Weight approx.	955
Dimensions approx. L x W x H	241 * 124 * 36 mm³

Table 2: Physical characteristics

Environmental Conditions

Temperature	Operating: -40°C – +85°C Non-operating: -40°C – +85°C Storage: -40°C – +85°C
IP-Code	IP67 (only if all Binder connectors are used with a cable or a protective cap)
Relative Humidity	0% – 90% r. H., non-condensing

Table 3: Environmental conditions

ORDER INFORMATION FLEXSWITCH1000BASE-T1

Product	Description	Order number
FlexSwitch 1000BASE-T1	The FlexSwitch1000BASE-T1 is a five port 1000BASE-T1 switch	3-P0980A01