Type Approval Certificate



This is to certify that the undernoted product(s) has/have been tested in accordance with the relevant requirements of the GL Type Approval System.

Certificate No.

86 569 - 10 HH

Company

PHOENIX CONTACT GmbH & Co. KG

Flachsmarktstraße 8

32825 Blomberg, GERMANY

Product Description

Unmanaged Ethernet Switches

Type

FL Switche SFNT 4TX/FX, 5TX, 7TX/FX, 7TX/FX ST, 8TX

Environmental Category

C/EMC1

Technical Data /

Interfaces

Range of Application

FL Switch SFNT 4 TX/FX:

Interface: Ethernet (RJ45) / Fiber optic interface

No. of ports: 4 RJ45 ports

Type of connection: RJ45 socket, auto negotiation and auto crossing / SC-DUPLEX Transmission physics: Ethernet in RJ45 twisted pair / Multimode glass fiber Transmission speed: 10/100 Mbit/s (RJ45) / 100 Mbit/s (SC-D, full duplex)

Firmware: V. 1.10

FL Switch SFNT 5 TX: Interface: Ethernet (RJ45) No. of ports: 5 RJ45 ports

Type of connection: RJ45 socket, auto negotiation and auto crossing

Transmission physics: Ethernet in RJ45 twisted pair

Transmission speed: 10/100 Mbit/s (RJ45)

Firmware: V. 1.10

Test Standard

Guidelines for the Performance of Type Approvals Chapter 2, Edition 2003

Documents

Test report :E091569E1 2nd; E091569E2 2nd; U091569E1; U091569E2; Firmware test, dated 2008.11.20; Function test Ver. B1, dated 2009.01.05 + Vers. A3, dated 2009.03.30; GL-Software Questionnaire according. class 3, dated 2010.01.28; Documents and drawings according to submitted file.

Remarks

None

Valid until

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2015-01-31

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I.B.08

Hamburg, 2010-02-01

Type Approval Symbol





Germanischer Lloyd

Jürgen Wittburg

Heinz Scheffler

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FL Switch SFNT 7 TX/FX:

Interface: Ethernet (RJ45) / Fiber optic interface

No. of ports: 7 RJ45 ports

Type of connection: RJ45 socket, auto negotiation and auto crossing / SC-DUPLEX Transmission physics: Ethernet in RJ45 twisted pair / Multimode glass fiber Transmission speed: 10/100 Mbit/s (RJ45) / 100 Mbit/s (SC-D, full duplex)

Firmware: V. 1.10

FL Switch SFNT 7 TX/FX ST:

Interface: Ethernet (RJ45) / Fiber optic interface

No. of ports: 7 RJ45 ports Type of connection: ST format

Transmission physics: Ethernet in RJ45 twisted pair / Multimode glass fiber

Transmission speed: 100 Mbit/s (ST, full duplex)

Firmware: V. 1.10

FL Switch SFNT 8 TX: Interface: Ethernet (RJ45) No. of ports: 8 RJ45 ports

Type of connection: RJ45 socket, auto negotiation and auto crossing

Transmission physics: Ethernet in RJ45 twisted pair

Transmission speed: 10/100 Mbit/s (RJ45)

Firmware: V. 1.10

Function

Basic functionality: Unmanaged switch / auto negotiation, complies with IEEE 802.3, store and forward switching mode

Status and diagnostics LEDs: Supply voltage, link and activity per port Alarm NC Contact: Supply voltage or if a port fails, 24 V DC/100mA

Network extension parameters

Cascading depth: Network, line and star structure: any Maximum conductor length (twisted pair): 100 m

Supply voltage: 24 V DC

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