

netSWITCH

The Ethernet Connection to SERCOS III

CONNECTED BY
netx

Coupling for SERCOS III Real-Time Ethernet to Standard Ethernet

- Connects SERCOS III with Standard Ethernet Network
- Simple Configuration and Status via Web Interface
- 64 KB Buffer Memory for Ethernet Telegrams

SERCOS
interface



netSWITCH for SERCOS III

The SERCOS III Real-Time Ethernet system provides deterministic jitter-free data transmission for controlling and synchronizing drives. Parallel to this and based on a time-slot basis, standard Ethernet telegrams can be transmitted via a NRT (Non-Real-Time) channel. These NRT telegrams must be buffered for retransmission on a standard Ethernet network. The netSWITCH provides this buffer connection between the synchronized SERCOS III network and standard Ethernet. Besides the two Ethernet ports for SERCOS III is one Ethernet port for connection to a notebook or other standard Ethernet capable devices.

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the Ethernet Connection to SERCOS III

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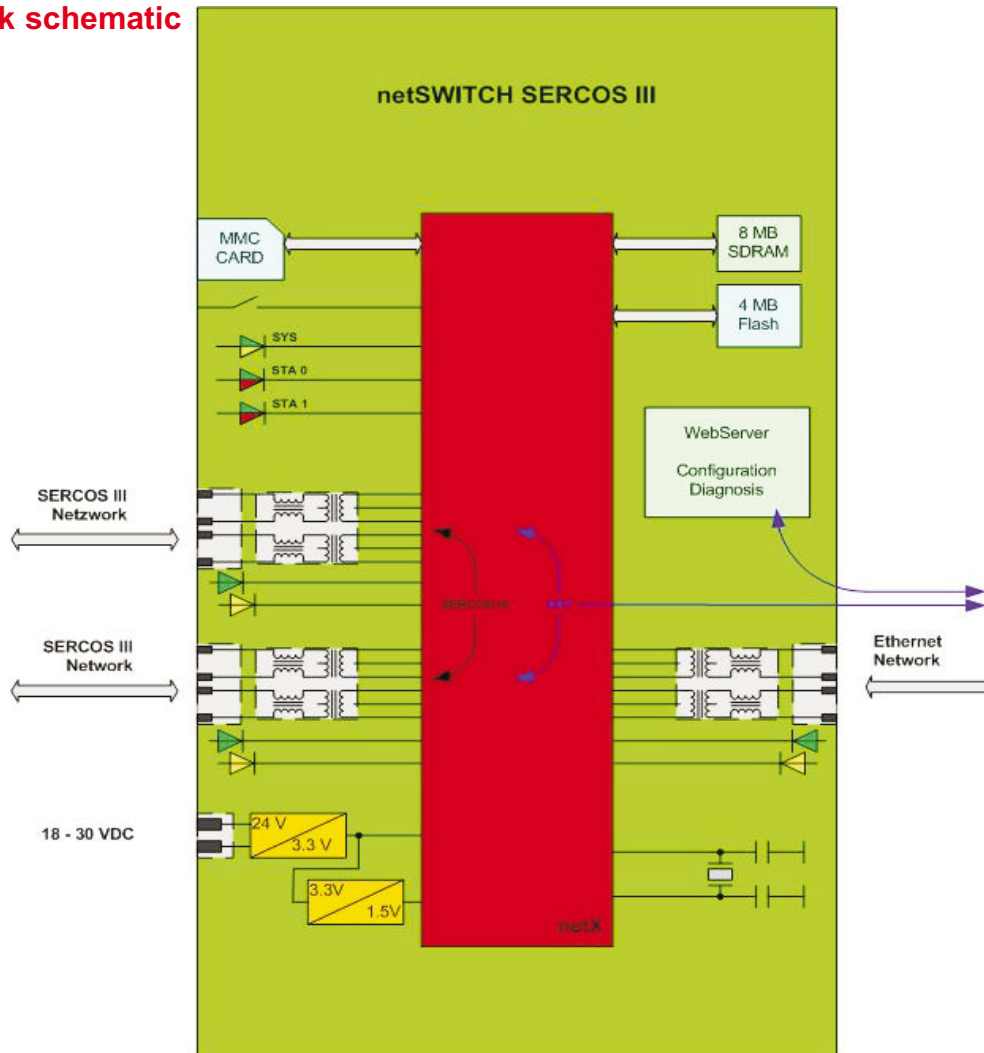
Spain
Sistel Control S.L.
www.sistelcontrol.com

Novatronic Sistemas S.L.
www.novatronicsistemas.com

Sweden
Novotek Sverige AB
www.novotek.se

UK
Miles Industrial Electronics Ltd
www.milesie.co.uk

Block schematic



Technical Data

Parameter	Value
Data Transport	Forwarding
SERCOS III-Interface	
Controller	netX 500
Transmission Rate	100 MBit/s
Interface	100BASE-TX
Plug Connector	2x RJ45
Ethernet-Interface	
Controller	netX 500
Transmission Rate	10/100 MBit/s
Interface	10BASE-T / 100BASE-TX
Plug Connector	1x RJ45
Diagnostic Interface	Via Ethernet
Display	SYS, ACT, LINK

Parameter	Value
Frame Memory	64 KByte
Configuration	By Web Browser
Operating Voltage	18 ... 30 V / 120 mA @ 24 V
Plug Connector	Mini COMBICON 2-pole
Operating Temperature	0°C ... 50°C
Dimensions (L x W x H)	100 x 52 x 70 mm
Weight approx.	150 g
CE Sign	Yes
Emission	CISPR 11 Class A
Noise Immunity	EN 61131-2: 2003

Product Overview

Article Designation	Article Number	Article
NS-S3-1NRT	1790.160	netSWITCH SERCOS III and one Ethernet Port