



SHDSL converter

RK-4SH-01

Conversion of 4210 contacts to HDSL, SHDSL and G.703

Four station interfaces

Operation from a local panel

Rugged compact case

The RK-4SH-01 converter enables setting up far range cable connections between sites equipped with communication devices supporting STANAG 4210 type tracts. Using the converters, it is possible to set up connections using light one-pair cables of PKL 1x2 type or heavy far range cables of PKD 2x2 type. Converters enable cable connection of communication sites to equipment stations of AT and AK type of the STORCZYK 2000 system.

The RK-4SH-01 converter enables conversion of four station trunks connected to a 4210 connector operating in STANAG 4210 standard to linear trunks available within a LINIA connection in one of the selected standards:

- trunk 1: SHDSL 1-pair, SHDSL 2-pair and HDSL;
- trunk 2: SHDSL 1-pair, SHDSL 2-pair and G.703;
- trunks 3 and 4: SHDSL 1-pair, SHDSL 2-pair.

Selection of linear tracts operation mode and connection of the loop is performed using four MODE buttons, independent for each trunk.

In case of SHDSL 1-pair and 2-pair mode a selection of one of three speeds of regenerator operation is possible: 512 kbps, 1024 kbps and 2048 kbps.

In case of a linear HDSL tract it is possible to select a Master or Slave mode.

The RK-4SH-01 converter may not be installed directly on the shield or on a frame fixed to the shield. The RK-4SH-01 converter is not designed for operation whilst moving.



TECHNICAL PARAMETERS

BASIC FUNCTIONALITIES

- Trunk regenerator
- Conversion of 4 STANAG 4210 trunks to SHDSL, HDSL and G.703 trunk SHDSL 1 and 2-pair trunks
- Master or Slave mode for HDSL trunks
- Configuration from a local panel

INTERFACES

Station electrical trunks	4 x STANAG 4210 8D0C13W08SN Souriau connector
Speed rate	Up to 2 Mbps
Linear electrical trunks	Trunk 1: SHDSL 1-/2-pair, HDSL Trunk 2: SHDSL 1-/2-pair, G.703 Trunk 3: SHDSL 1-/2-pair Trunk 4: SHDSL 1-/2-pair MFM-002RZN (MFM-49-07-011-5-0.5-LC) Amphenol connector
Speed rate	SHDSL: 512, 1024, 2048 kbps HDSL: 2048 kbps G.703: 2048 kbps

POWER SUPPLY

Power supply	+27 V (from 19 V to 56 V)
Power consumption	<75 W

OTHER TECHNICAL PARAMETERS

Dimensions (HxWxD)	162x250x75,5 mm
Weight	<2,4 kg
Mechanical and climatic classification	Groups N.7, N.9, N.11-O-II(A and B), acc. NO-06-A101÷108 (MIL-STD-810G compliant) (multi-use and continuous use equipment)
Electromagnetic compatibility	NO-06-A200 (MIL-STD-461F compliant) (KRE-02, KCE-02, KCS-01, KCS-06, KCS-07, KCS-08, KRS-02)
Operating temperature	From -30°C to +60°C
Storage temperature	From -40°C to +65°C
Humidity	95-98% at +40°C



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