

Product Information

- Processing of magnetic data carriers with ISO track and/or central track and/or smart cards
- LOCO/HICO (ISO 1/2/3 or central track)
- RS-232 interface
- Possibility of adapting different muzzles of the KGB®-series
- Possibility of adapting different feeding units of the KGB®-series
- Flash Memory
- Barcode Reader (optional)
- CSC-antenna (optional)
- Dot matrix printer (optional)

Produktinformation

- Verarbeitung magnetischer Datenträger mit ISO-Spurlage und/oder zentraler Lage und/oder Chipkarten
- LOCO/HICO (ISO 1/2/3 oder Mittelspur)
- RS-232 Schnittstelle
- Anschlussmöglichkeit verschiedener Mundstücke der KGB®-Serie
- Anschlussmöglichkeit verschiedener Papierzuführungsmodule der KGB®-Serie
- Flash Memory
- Barcode-Leser (Option)
- CSC-Antenne (Option)
- Matrix-Drucker (Option)

Information sur le produit

- Traitement de titres à pistes magnétiques, ISO et/ou centrée et/ou cartes à puce
- LOCO/HICO (ISO 1/2/3 ou track centrale)
- Interface RS-232
- Possibilité d'adaptation de différentes bouches d'entrée de la série KGB®
- Possibilité d'adaptation de différents modules d'approvisionnement de la série KGB®
- Flash Memory
- Module code à barres (option)
- Antenne CSC (option)
- Module d'impression impact (option)



**MAGNETIC
READER/WRITER**
**MAGNETISCHES
SCHREIB/LESEGERÄT**
**LECTEUR/CODEUR
MAGNETIQUE**



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CCS
built-in reliability

Dimensions

W 120 mm H 143 mm D 277 mm without muzzle
W 120 mm H 143 mm D 321 mm with muzzle

Power Supply

24 V DC / 150 W max. (5 V DC internal)

Tickets

Thickness: 0.16 - 0.86 mm
Format: 54x85.6 mm, 54x120 mm
Material: paper, compound, PVC

Ticket Transport Speed

Normal transport: 350 - 500 mm/s
Printing depending on paper quality: 350 mm/s

Print Head

Type: matrix (9 needles)
Print height: 3.1 mm
Print length: 40 char. per line
longitudinal and one line
longitudinal printing

Character Set

PICA, other character sets on request
Each character set includes the full IBM set of 20h - FFh, Semi-graphic characters are allowed

Interface

V.24/RS-232: 9 600 to 115 200 Baud (RXD, TXD, GND)
Communication protocol on request

Environment

Range of temperature: 0 - 50 °C
Air humidity (RH): 20 - 80 % non condensing
Vibration: 10 - 55 Hz
2 mm amplitude
along axis x, y and z
for max. 30 minutes

Microprocessor System

1 x ATMEL ATmega 1280 (Flash Memory)
4 x Single chip processor with firmware

Memory

128 KiB RAM, 32 KiB EEPROM

Coercivity

LOCO (300 Oe) or HICO (2750 or 3500 Oe)

Magnetic Characteristics

Track ISO 1, 2, 3 and/or central, max. 3 tracks
F2F, others on request
ABA, IATA, THRIFT, others on request

Bit Densities

75 - 210 bpi, others on request

Optional Modules

CCS 4002/2-HBL KGB®: cutter/feeder
CCS 4007-X02 KGB®: burster
(2 feeder/1 parking unit)
CCS 4405-X01/02 KGB®: single/double parking unit
CCS 4502 KGB®: cutting device
CCS 4814 KGB®: motorized muzzle
CCS 4818 KGB®: Mifare®-System CSC

Frontal

Detection by photocell

Maintenance and Service

Every 50 000 tickets:
Check ink ribbon
Every 3 months or every 300 000 tickets:
Check print head, light barriers and
magnetic head(s)
Every 6 months or every 500 000 tickets:
Check belts and DC-motors
Every 12 months or every 6 000 000 tickets:
Check stepping motor and rollers

Reliability

MTBF*: > 20 000 h
MCBF*: > 200 000 tickets
MTTR: < 0.5 h in workshop

** without wear parts*

