

Product Information

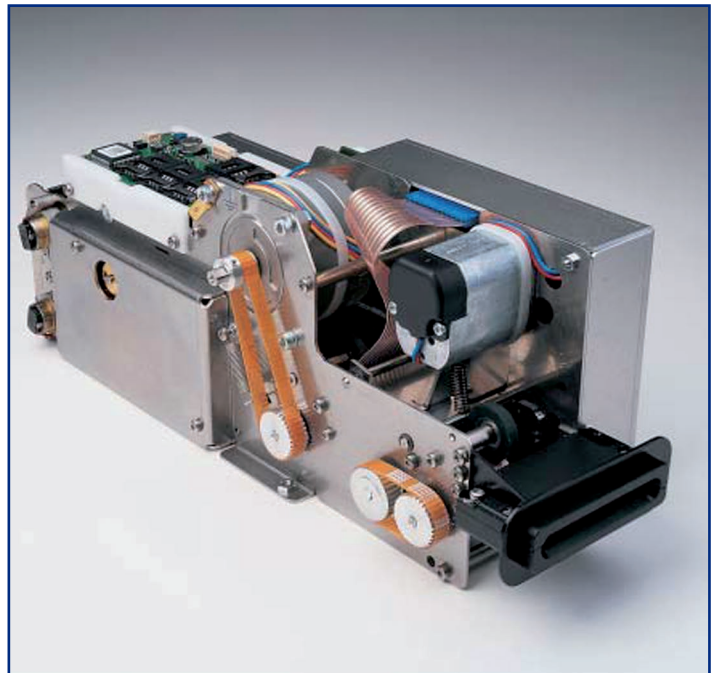
- Processing of contactless smart cards (multi-user)
- Processing of contactless tickets
- Direct thermal printing on thermo-sensitive surfaces, graphic printing
- Integrated CSC antenna
- 2 feeding modules for Leporello tickets
- Integrated burster
- RS-232 interface
- Flash Memory

Produktinformation

- Verarbeitung von berührungslosen Chipkarten
- Verarbeitung von berührungslosen Tickets
- Direkter Thermodruck auf thermo-sensitiven Flächen, grafikfähig
- Integrierte CSC Antenne
- Zwei Zuführungen für Leporello-CSC-Tickets
- Integrierte Reisseinheit
- RS-232 Schnittstelle
- Flash Memory

Information sur le produit

- Traitement de tickets sans contact
- Impression thermique directe sur supports thermosensitifs, impressions graphiques
- Antenne CSC intégrée
- Double alimentation pour tickets pliés en accordéon
- Rupteur intégré
- Interface RS-232
- Flash Memory



CSC TICKET ISSUER

with thermal printing module and burster

CSC TICKET SPENDER

mit Thermodruckmodul und Reisseinheit



EMETTEUR DE TICKETS CSC

avec module d'impression thermique et rupteur

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CCS
built-in reliability



Dimensions (Without Muzzle)

W 110 mm H 117 mm D 291 mm

Power Supply

24 V DC (5 V DC internal)
Text printing 150 W max.
Graphic printing 200 W max.

Tickets

Thickness: 0.3 - 0.6 mm
Format: 54 x 85.6 mm
Material: paper, compound
Bursting force for tickets: 4 - 7.5 daN

Ticket Transport Speed

Normal transport: 350 – 500 mm/s
Printing depending on paper quality: 50 – 100 mm/s

Print Head

Type: Bevel
Resolution: 8 dot/mm
Max. print width: 48 mm

Character Set

PICA, other character sets on request.
All character sets can be printed with double height and/or double width or with enlargement (factor 2, 4 and 8).
Each character set includes the full IBM set of 20h - FFh.

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 128 (Flash Memory)
1 x Single chip processor with firmware

Memory

128 kB Flash Memory
128 kB RAM, 32 kB EEPROM

Internal Burster

3 x 24 V DC geared motors
2 x roller drivers flanged on motor shaft
1 x drive flanged to motor shaft with gears

Card Detection Sensors

4 x photo sensor for feeding
3 x photo sensor for bursting
3 x photo sensor for transport

Maintenance and Service

Every 3 months or every 300 000 tickets:
Check thermal head and light barriers
Every 6 months or every 500 000 tickets:
Check belts and DC motors
Every 12 months or every 6 000 000 tickets:
Check stepper motor and rollers

Reliability

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

** without wear parts*

