

## **A PM ABACUS Paper Tickets**

### **A 1 Material/ Properties of the paper tickets**

<b>Paper ticket properties</b>	
Material	punch card
Colour	white
Grammage	161g/m <sup>2</sup> -215g/m <sup>2</sup>
Transparency (Opacity)	approx. 65%
Fibre direction	in output direction
Card edges	smooth and burr-free
Imprint	according to order, abrasion-resistant colour, non-sticky, non-conducting
Extension and shrinking	max. 0.25% lengthwise max. 0.70% in cross direction

### **A 2 Material/ Properties of the magnetic strip**

<b>Magnetic strip properties</b>	
Magnetic oxide film	14micron
Coercivity (Hc)	24 x 10 <sup>3</sup> A/m
Saturation remanence (Brs.)	0.1Tesla (1000Gaus)
Erasing field	80 x 10 <sup>3</sup> A/m
Roughness depth	max. 1.3µm

**B 3 Special paper tickets**

**B 3.1 Paper tickets with wide central strip (TCU 120, MDU 120, RBE 100)**

If the discount devices TCU 120, MDU 120 and/ or RBE 100 are used in the PM ABACUS system a wide central strip is needed for the paper tickets. The discount information is written besides the data middle strip.

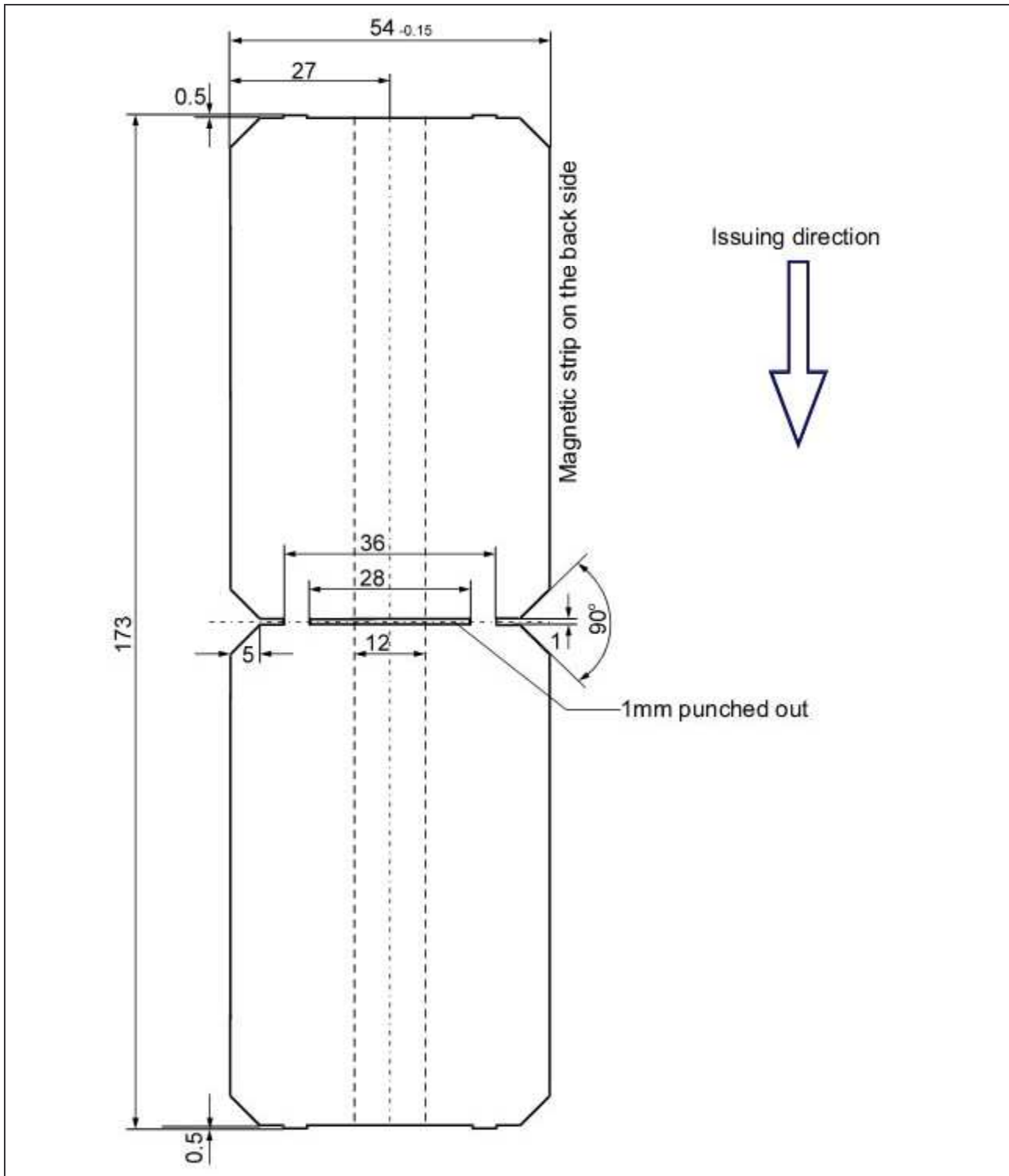


Fig. 3: Paper ticket with wide central strip: Dimensions in mm

## C Printed areas on paper tickets

In the PM ABACUS system, various ticket information is printed onto the tickets during different processes by the ticket printer of the Multicon.

The printed areas specified in the following thus need to be kept free to ensure the readability of this ticket information when creating the layout of your paper tickets.



### CAUTION !

Observe a tolerance of  $\pm 2\text{mm}$  for all printed areas.



### NOTE:

The specified printed areas are valid for the Multicon MC 120 with matrix printer.

### C 1 Standard printed area at an ENT 120



### NOTE:

Always keep free this area when creating the layout of your paper tickets.

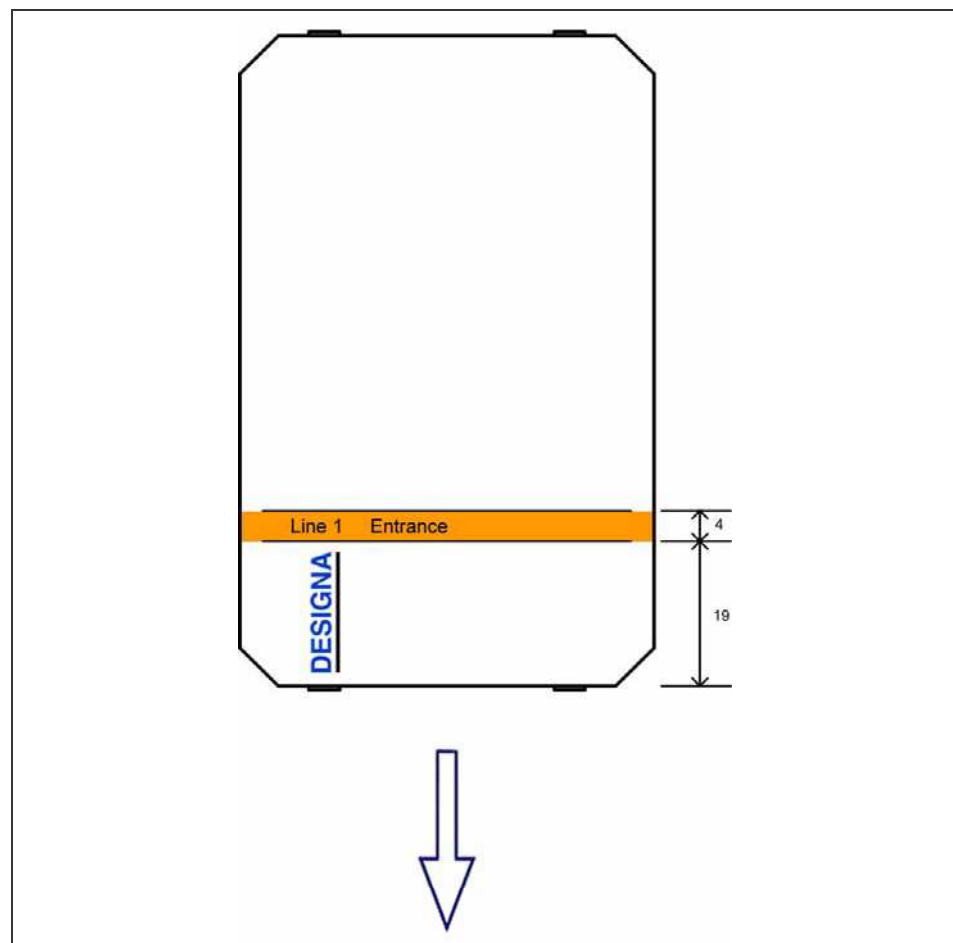


Fig. 5: Standard printed area at an ENT 120 (Dimensions in mm)

### C 2.2 Standard printed area for central strip tickets

The imprint of the entrance is already printed (see C 1). Different printed areas are now possible at the automatic and manual pay stations due to the additional insertion directions.

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#### NOTE:

Always keep additionally free these two areas when creating the layout of your paper tickets if the readability of this ticket information is desired.

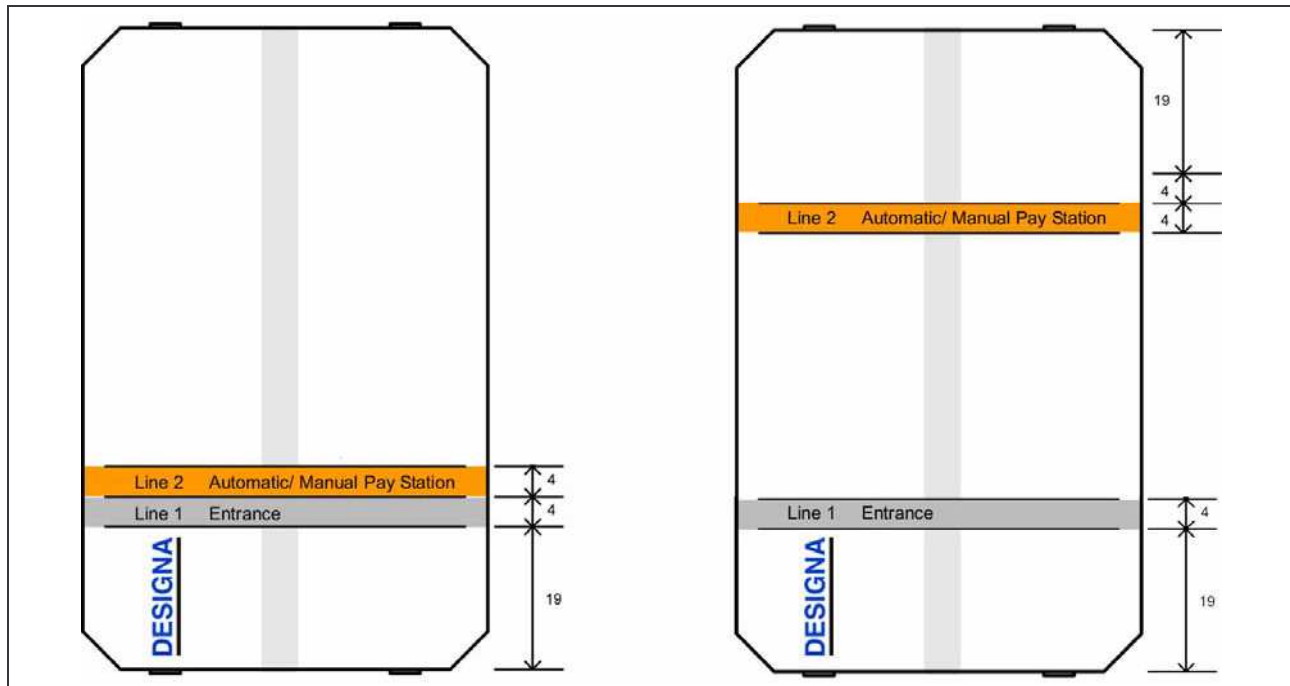


Fig. 7: Standard printed area at an APS 120 and MPS 120 with central strip (Dimensions in mm)

**C 3.2 Other printed areas for central strip tickets**

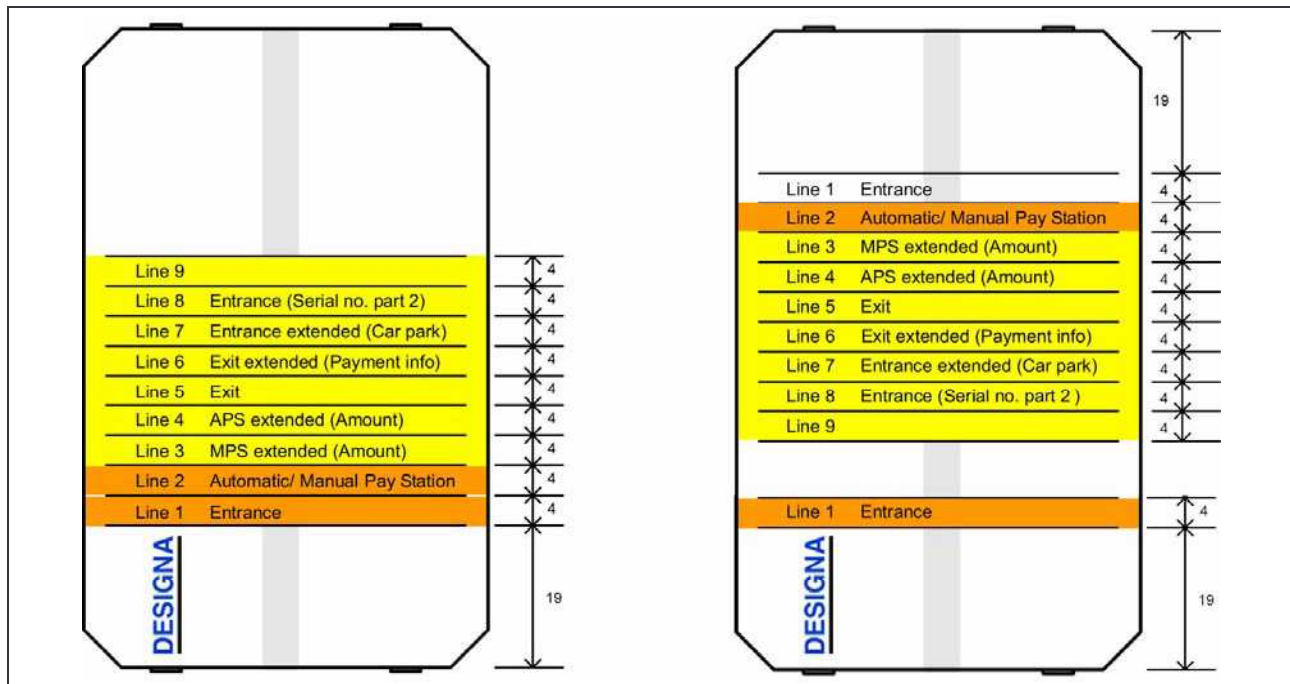


Fig. 9: Other printed areas for central strip tickets (Dimensions in mm)

## D Ticket magazine

A ticket magazine with 5000 tickets can be used at the device ENT 120 of the PM ABACUS system. Optionally, the device ENT 120 can be equipped with a second ticket magazine (see also separate operating instructions ENT 120).

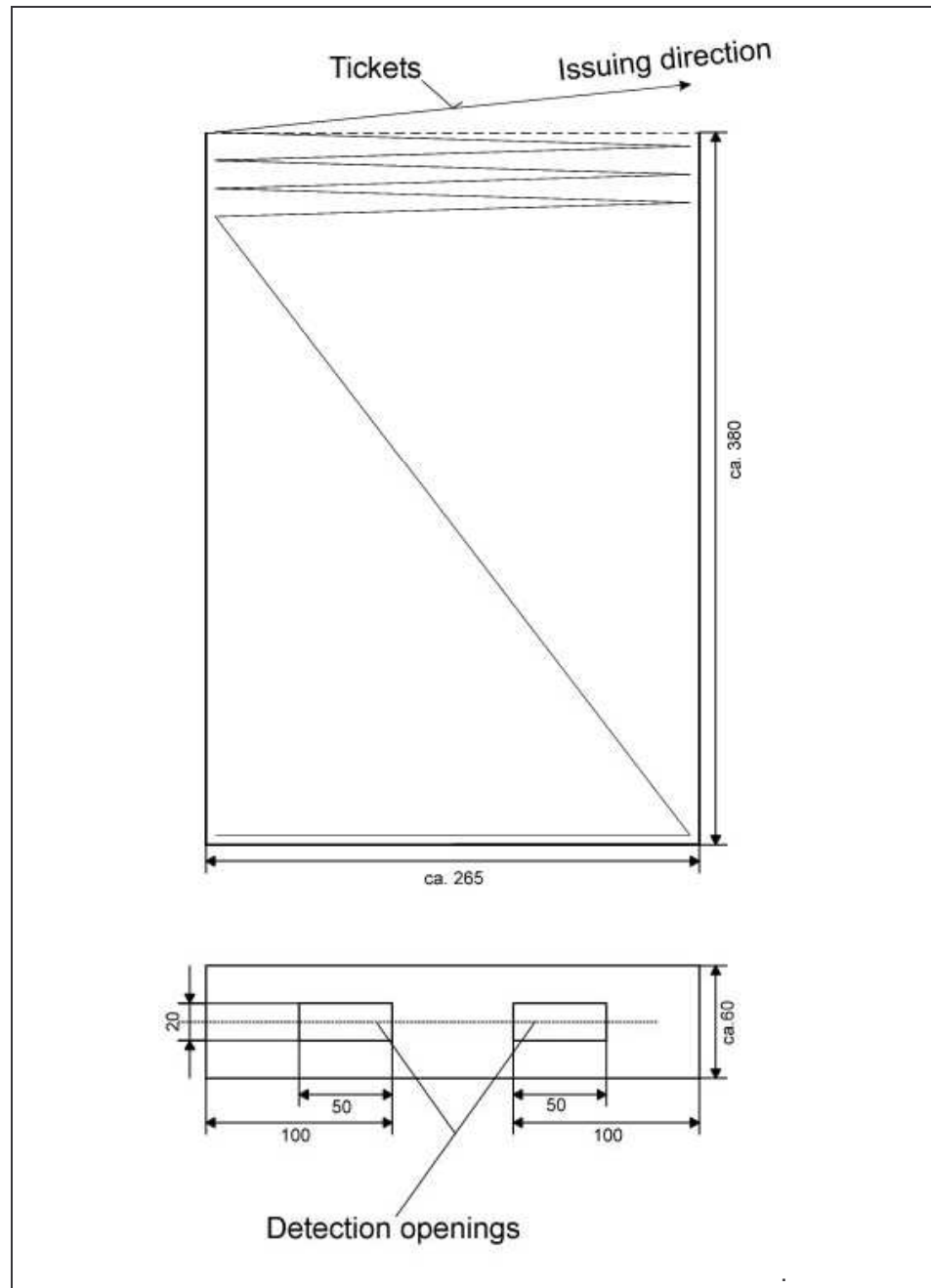


Fig. 11: Ticket magazine