
Structure of Z31-KEY field [*byte by byte*]

- **Article Type:** General
 - **Product:** Aleph
 - **Product Version:** 20, 21, 22, 23
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Description:

It seems that the Z31-KEY field might have information useful in diagnosing cash problems. What is its structure?

Resolution:

Certain information about the transaction is saved in the Z31-KEY field at the time the Z31 cash record is created. The Z31-KEY-TYPE is "Z36" (Z31-KEY-TYPE-Z36). The first 50 bytes of the Z31-KEY always have the same structure, but bytes 51-86 (KEY-CASH) differ depending on the z31 type.

If Z31-KEY-TYPE = "Z30", the field contains the item key. For types 24-28 (hold requests) it contains the Z37-REC-KEY.

If Z31-KEY-TYPE = "Z36": Bytes Containing:

1 -15 Z36-REC-KEY
16-20 Blank; not used
21-29 Z36-NUMBER (unique identifier assigned from the Z52 last-loan-number)
30-50 Blank; not used

For Z31-TYPE's 3, 14, 50, or 51 (overdue fines):

51-58 Z36-LOAN-DATE

59-66 Z36-DUE-DATE
67-74 Z36-RETURNED-DATE
75-78 Z36-LOAN-HOUR
79-82 Z36-DUE-HOUR
83-86 Z36-RETURNED-HOUR
87-94 Z36-LAST-RENEW-DATE

For Z31-TYPE's 3, 14, 50, or 51 (overdue fines):

51-58 Z36-LOAN-DATE
59-66 Z36-DUE-DATE
67-74 Z36-RETURNED-DATE
75-78 Z36-LOAN-HOUR
79-82 Z36-DUE-HOUR
83-86 Z36-RETURNED-HOUR

For Z31-TYPE's 40, 41, and 42 (Lost):

51-58 Z36-LOAN-DATE

59-62 Z36-LOAN-HOUR

63-70 Z36-DUE-DATE

71-74 Z36-DUE-HOUR

Note: If a Z31 Lost cash record does not have a loan date/time and due-date/time which matches the Z36 loan record, then automatic credits will not occur when Lost items are returned.

byte structure faq

Additional Information

Z31_KEY, cash, item key, faq

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