F_UPC12

function from adhoc

Entrypoint upc12 compatible with UTF-8

Inputs/Outputs

```
Input      CSTRING(250)    number to check as string
Output     CSTRING(12)     complete number include checkdigit
```

Syntax

```
   Complete number include checkdigit. Spaces, hyphens and digits more than
max. length are ignored.
   Test-SQL
   SELECT '12345670' AS ISCORRECT, F_GTIN8('1234567') FROM RDB$DATABASE;
   SELECT '123456789012' AS ISCORRECT, F_UPC12('12345678901') FROM
RDB$DATABASE;
   SELECT '7622200004607' AS ISCORRECT, F_GTIN13('762220000460') FROM
RDB$DATABASE;
   SELECT '01234567890128' AS ISCORRECT, F_GTIN14('0123456789012') FROM
RDB$DATABASE;
   SELECT '012345678901234560' AS ISCORRECT, F_NVE18('01234567890123456')
FROM RDB$DATABASE;
   SELECT NULL AS ISCORRECT, F_GTIN8(NULL') FROM RDB$DATABASE;
```

```
   nach oben • go top •
   Preliminary note to ISBN-Number from Wikipedia
(http://en.wikipedia.org/wiki/ISBN):
   The International Standard Book Number (ISBN) is a unique, numerical
commercial book identifier, based upon the 9-digit Standard Book Numbering
(SBN) code created by Gordon Foster, now Emeritus Professor of Statistics at
Trinity College, Dublin  for the booksellers and stationers W.H. Smith and
others in 1966. The 10-digit International Standard Book Number (ISBN)
format was developed by the International Organization for Standardization
and published as an international standard, ISO 2108,
   in 1970. (However, the 9-digit SBN code was used in the UK until 1974.)
Currently, the ISO TC 46/SC 9 is responsible for the standard.
   Since 1 January 2007, International Standard Book Numbers have been of 13
digits, compatible with Bookland EAN-13s.
```

For other forms of publications, like periodicals or music there are own number systems:

- ISAN — International Standard Audiovisual Number
- ISMN — Internationale Standard-Music-Number (for printed or digital musical notations)
- ISRC — The International Standard Recording Code
- ISRN — International Standard Technical Report Number
- ISSN — International Standard Serial Number (for periodicals)
- ISWC — International Standard Musical Work Code

Publisher identification code numbers are unlikely to be the same in the "978" and "979" ISBNs, like-wise, there is no guarantee that language area code numbers will be the same. Moreover, the ten-digit ISBN check digit generally is not the same as the thirteen-digit ISBN check digit. Because the EAN/UCC-13 is part of the Global Trade Item Number (GTIN) system (that includes the EAN/UCC-14, the UPC-12, and the EAN-8), it is expected that ISBN-generating software should accommodate fourteen-digit ISBNs.