## EDI-Recommendations of GS1 Germany Version 1.1

## Purchase Order Response (ORDRSP)

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## Bestellantwort

## Einführung

## Introduction

The aim of the brochure on hand is to offer documentation describing the exchange of purchase order response data between business partners.

The basis of this elaboration is the international standard EANCOM® 2002. The message type ORDRSP 009 is used to transmit relevant data. GEFEG.FX (Gefeg mbH, Berlin) was used as the documentation tool.

Please be aware to know that this booklet does not replace the complete specifications in the original chapters or other relevant instructions within the EANCOM® 2002 documentation. Instead, it deals with the description of segments, data elements and codes to be used for a specific task.

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## Important note

To fulfill the requirements of directive 2003/58/EG, article 4, C058 has been opened in NAD segments identifying a message sender. If the place in the 5 DE 3124 is not sufficient, the following RFF segments can be used, qualified with DE $1153=G N$. DE 1154 has got a capacity of 70 digits. Only in those cases, when no RFF segment follows NAD, a RFF+GN can be used in the heading section of the message. Within the EDI recommendations of GS1 Germany this is only applicable for the messages REMADV and SLSFCT.

## This brochure offers different ways to start

Introduction
"Introduction" contains a short description of the respective message.
BusinessTerms
"Business Terms", is a table which links directly to the sequence numbers of the segments.
Diagram
"Diagram", is a hierarchical graphic depiction of all used segments in the same sequence as they are defined in the EANCOM® message. However, every segment is shown only once, and it is therefore possible that the sequence numbering is interrupted.

Structure
"Structure", is a list of all used segments in the same sequence as they are defined in the EANCOM® message. In general, for each piece of information one single segment is provided. Exeptions may arrise when the the occurence of a segment is limited and can contain alternative information (e.g., segment BGM).

Segmentlayout
"Segmentlayout", an illustration that has been chosen to match the business terms (data from the inhouse application) with the elements from the EANCOM® syntax.

## Codes

"Codes" contains a list of the codes used in the message.

## Einführung

## Examples

"Examples", provides at least one message example with comments. Please note that, for technical reasons, the examples can contain component data element separators, which would otherwise be represented as data element separators in the original messages.

Print
"Print" opens the PDF documentation for the corresponding message.

## Message structure

Heading section
Specification of buyer an supplier, message date, number and number of the referenced purchase order.

Detail section
Specification of GTIN to identify goods and services, and amendments..
Summary section
Specification of totals of the message.

Business Terms

| Business Term | EANCOM-Segment <br> Seg.-No. Segment SG |  | Data Element |  |
| :---: | :---: | :---: | :---: | :---: |
| Acknowledgement request | 2 UNB |  |  | 0031 |
| Additional party identification (Buyer) | 14 RFF | SG3\#2\SG4\#3 | C506 | 1154 |
| Additional party identification (supplier) | 10 RFF | SG3\#1\SG4\#3 | C506 | 1154 |
| Address for reverse routing | 2 UNB |  | S002 | 0008 |
| Application reference | 2 UNB |  |  | 0026 |
| Buyers acticle number | 20 PIA | SG26\#1 | C212 | 7140 |
| Buyers/Invoice Recipients (VA) Tax registration number | 13 RFF | SG3\#2\SG4\#2 | C506 | 1154 |
| Character set | 2 UNB |  | S001 | 0001 |
| Component data element separator | 1 UNA |  |  | UNA1 |
| Country of receiver, coded | 16 NAD | SG3\#4 |  | 3207 |
| Currency code | 17 CUX | SG8\#1 | C504 | 6345 |
| Data element separator | 1 UNA |  |  | UNA2 |
| Decimal notation | 1 UNA |  |  | UNA3 |
| EANCOM | 2 UNB |  |  | 0032 |
| End of the transmission file, Number of messages or message groups | 29 UNZ |  |  | 0036 |
| File creation date | UNB |  | S004 | 0017 |
| File creation time | 2 UNB |  | S004 | 0019 |
| GLN of the receiver of goods/ services | 16 NAD | SG3\#4 | C082 | 3039 |
| GTIN Global Trade Item Number | 18 LIN | SG26\#1 | C212 | 7140 |
| Identification of buyer/invoicee | 11 NAD | SG3\#2 | C082 | 3039 |
| Identification of invoicee | 15 NAD | SG3\#3 | C082 | 3039 |
| Identification of supplier | 7 NAD | SG3\#1 | C082 | 3039 |
| Indentification of the receiver of the transmission file | 2 UNB |  | S003 | 0010 |
| Indentification of the sender of the transmission file | 2 UNB |  | S002 | 0004 |
| Interchange control reference, beginnig | 2 UNB |  |  | 0020 |
| Interchange control reference, end | 29 UNZ |  |  | 0020 |
| Line item number | 18 LIN | SG26\#1 |  | 1082 |
| Line item reference (line level) | 25 RFF | $\begin{aligned} & \text { SG26\#1\SG31\# } \\ & 1 \end{aligned}$ | C506 | 1154 |
| Line number from order indicator (Line item reference). | 25 RFF | $\begin{aligned} & \text { SG26\#1\SG31\# } \\ & 1 \end{aligned}$ | C506 | 1156 |
| Message reference number | 3 UNH |  |  | 0062 |
| Name 1 of the receiver | 16 NAD | SG3\#4 | C080 | 3036 |
| Name 2 of the receiver | 16 NAD | SG3\#4 | C080 | 3036 |
| Name 3 of the receiver | 16 NAD | SG3\#4 | C080 | 3036 |
| Net price indication | 24 PRI | $\begin{aligned} & \text { SG26\#1\SG30\# } \\ & 1 \end{aligned}$ | C509 | 5118 |
| Order confirmation date | 5 DTM |  | C507 | 2380 |

Business Terms

| Business Term | EANCOM-Segment <br> Seg.-No. Segment SG |  | Data Element |  |
| :---: | :---: | :---: | :---: | :---: |
| Order number | 6 RFF | SG1\#1 | C506 | 1154 |
| Originally ordered quantity | 21 QTY | SG26\#1 | C186 | 6060 |
| Password interchange | 2 UNB |  | S005 | 0022 |
| Place of receiver - name of a city (town, village) for adressing purposes. | 16 NAD | SG3\#4 |  | 3164 |
| Postcode of receiver | 16 NAD | SG3\#4 |  | 3251 |
| Purchase order response number | 4 BGM |  | C106 | 1004 |
| Quantity to be delivered | 22 QTY | SG26\#1 | C186 | 6060 |
| Release character | 1 UNA |  |  | UNA4 |
| Reserved for future use | 1 UNA |  |  | UNA5 |
| Routing address | 2 UNB |  | S003 | 0014 |
| Schedule (Detail section) | 23 DTM | SG26\# 1 | C507 | 2380 |
| Segment terminator | 1 UNA |  |  | UNA6 |
| Statements on business letters | 8 RFF | SG3\#1\SG4\#1 | C506 | 1154 |
| Statements on business letters | 12 RFF | SG3\#2\SG4\#1 | C506 | 1154 |
| Street and number of receiver | 16 NAD | SG3\#4 | C059 | 3042 |
| Supplier's acticle number | 19 PIA | SG26\#1 | C212 | 7140 |
| Supplier/issuer of invoice VAT registration number | 9 RFF | SG3\#1\SG4\#2 | C506 | 1154 |
| Syntax version | 2 UNB |  | S001 | 0002 |
| Test indicator | 2 UNB |  |  | 0035 |
| Total line items amount | 27 MOA |  | C516 | 5004 |
| Total number of segments in the message | 28 UNT |  |  | 0074 |
| Type of document | 4 BGM |  | C002 | 1001 |
| Unit price basis | 24 PRI | $\begin{aligned} & \text { SG26\#1\SG30\# } \\ & 1 \end{aligned}$ | C509 | 5284 |

## Branching Diagram



Tag = Segment/Group Tag
St $=$ Status ( $M=$ Mandatory, $C=$ Conditional, $R=$ Required, $O=$ Optional, $A=$ Advised, $D=$ Dependent $)$ MaxOcc = Maximum occurrence of the segment/group; No = Consecutive segment number

## Branching Diagram

| 1 |  |  |  |
| :---: | :---: | :---: | :---: |
| SG4 |  | SG4 |  |
| 0 | 1 | 0 | 1 |
| RFF |  | RFF |  |
| M | 1 | M | 1 |
|  | 9 |  | 0 |

Tag $=$ Segment/Group Tag
St $=$ Status ( $M=$ Mandatory, $C=$ Conditional, $R=$ Required, $O=$ Optional, $A=$ Advised, $D=$ Dependent $)$
MaxOcc = Maximum occurrence of the segment/group; No $=$ Consecutive segment number

## Branching Diagram



Tag = Segment/Group Tag
St $=$ Status ( $M=$ Mandatory, $C=$ Conditional, $R=$ Required, $O=O$ ptional, $A=$ Advised, $D=$ Dependent $)$ MaxOcc = Maximum occurrence of the segment/group; No = Consecutive segment number

## Branching Diagram



Tag = Segment/Group Tag
St $=$ Status ( $M=$ Mandatory, $C=$ Conditional, $R=$ Required, $O=$ Optional, $A=$ Advised, $D=$ Dependent $)$
MaxOcc = Maximum occurrence of the segment/group; No = Consecutive segment number

## Branching Diagram



Message Structure


Max. Occ. = Maximum occurrence of the segment/group, Status: M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent
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## Message Structure

| Seg. | No. | Status | Max Occ | Segment |
| :--- | :--- | :--- | :--- | :--- |
| MOA | 27 | $O$ | 1 | Total line items amount |
| UNT | 28 | $M$ | 1 | Number of segments in the message |
| UNZ | 29 | $M$ | 1 | End of the transmission file |

## Bestellantwort

## Segment Layout

| No. Seg St Max. Occ. |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| UNA R 1 Service string advice <br> To define the characters selected for use as delimiters and indicators in the rest of the  <br> interchange that follows.  |  |  |  |  |  |
| Business Term | DE | EDIFACT | Format | St | Description |
| Component data element separator | UNA1 | Component data element separator | an1 | M | Default value: ":" |
| Data element separator | UNA2 | Data element separator | an1 | M | Default value: "+" |
| Decimal notation | UNA3 | Decimal notation | an1 | M | Default value: "." |
| Release character | UNA4 | Release indicator | an1 | M | Default value: "? |
| Reserved for future use | UNA5 | Reserved for future use | an1 | M | (Default value: space ) |
| Segment terminator | UNA6 | Segment terminator | an1 | M | Default value: " ' " |

Segmentstatus: Mandatory
The use of the UNA segment is mandatory, if character set "A" (UNB,DE0001) is not used.
For international EDI the use of character set UNOA is recommended. For national (German) EDI the use of UNOC is reasonable because it contains lower case letters and umlauts.

Example: UNA:+.? '
The UNA segment contains the default service string characters.

## Bestellantwort

## Segment Layout

|  | No. Seg | St Max. Occ. |  |
| :--- | :--- | :--- | :--- |
| 2 | UNB | M 1 | Interchange header |


| Business Term | DE | EDIFACT | Format | St | * | Description |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | S001 | Syntax identifier |  | M |  |  |
| Character set | 0001 | Syntax identifier | a4 | M |  | UNOA UN/ECE level A UNOB UN/ECE level B UNOC UN/ECE level C UNOD UN/ECE level D UNOE UN/ECE level E UNOF UN/ECE level F |
| Syntax version | 0002 | Syntax version number | n1 | M | * | 3 Version 3 |
|  | S002 | Interchange sender |  | M |  |  |
| Indentification of the sender of the transmission file | 0004 | Sender identification | an. 35 | M |  | $\begin{aligned} & \text { = Global Location Number } \\ & (\text { GLN }) \end{aligned}$ |
|  | 0007 | Partner identification code qualifier | an.. 4 | R | * | 14 GS1 |
| Address for reverse routing | 0008 | Address for reverse routing | an.. 14 | 0 |  | See note |
|  | S003 | Interchange recipient |  | M |  |  |
| Indentification of the receiver of the transmission file | 0010 | Recipient identification | an. 35 | M |  | $\begin{aligned} & \text { = Global Location Number } \\ & \text { (GLN) } \end{aligned}$ |
|  | 0007 | Partner identification code qualifier | an.. 4 | R | * | 14 GS1 |
| Routing address | 0014 | Routing address | an.. 14 | O |  | See note |
|  | S004 | Date/time of preparation |  | M |  |  |
| File creation date | 0017 | Date of preparation | n6 | M |  | = Dateformat JJMMTT |
| File creation time | 0019 | Time of preparation | n4 | M |  | = Timeformat HHMM |
| Interchange control reference, beginnig | 0020 | Interchange control reference | an.. 14 | M |  | = Unique senders reference |
|  | S005 | Recipient's reference, password |  | 0 |  |  |
| Password interchange | 0022 | Recipient's reference/ password | an.. 14 | M |  |  |
|  | 0025 | Recipient's reference/ password qualifier | an2 | 0 | * | AA Reference BB Password |
| Application reference | 0026 | Application reference | an.. 14 | 0 |  | Message type if the transmission fole contains only one message type |
|  | 0029 | Processing priority code | a1 | 0 | * | A Highest priority |
| Acknowledgement request | 0031 | Acknowledgement request | n1 | 0 |  |  |
| EANCOM | 0032 | Communications agreement ID | an. 35 | R |  | = EANCOM... EDIFACT subset identification (see note) |
| Test indicator | 0035 | Test indicator | n1 | 0 | * | 1 Interchange is a test |

Max. Occ. $=$ Maximum Occurrence, St $=$ Status, $*=$ Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

## Bestellantwort

## Segment Layout

Segmentstatus: Mandatory
For international EDI the use of character set UNOA is recommended. For national (German) EDI the use of UNOC is reasonable because it contains lower case letters and umlauts.

Note DE 0008:
The address for reverse routing is provided by the interchange sender to inform the interchange recipient of the address within the sender's (source) system to which responding interchanges must be sent. It is recommended that the GLN be used for this purpose.

Note DE 0014:
The routing adress is used to identify the receiver, if a provider adds service values for the actual receiver (e.g. consolidated companies, corporate group). The use of the identification system (e.g.
GLN) has to be agreed bilaterally.
Note DE 0020:
This data element must contain a consistent sequential number per interchange between sender and receiver of the transmission.

Note DE 0032:
This data element is used to identify any underlying agreements which control the exchange of data. Within EANCOM, the identity of such agreements must start with the letters 'EANCOM', the remaining characters within the data element being filled according to bilateral agreements.

Example: UNB+UNOC : $3+4012345000009: 14: 4012345000018+4000004000002: 14: 4000004000099+181013: 10$ 43+4711+REF: AA++++EANCOM+1 ${ }^{\prime}$
The EANCOM file 4711 dated $13.10 .2018,10 \mathrm{~h} 43$ is sent by the issuer identified with GLN 4012345000009 to the receiver identified with GLN 4000004000002.

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## Bestellantwort

## Segment Layout

Heading section
Heading section


| Business Term | DE | EDIFACT | Format | St | * | Description |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Message reference number | 0062 | Message reference number | an. 14 | M |  | Sender's unique message reference. Sequence number of messages in the interchange. DE 0062 in UNT will have the same value. Generated by the sender. |
|  | S009 | Message identifier |  | M |  |  |
|  | 0065 | Message type | an.. 6 | M | * | ORDRSP Purchase order response message |
|  | 0052 | Message version number | an.. 3 | M | * | D Draft version/ UN/EDIFACT Directory |
|  | 0054 | Message release number | an.. 3 | M | * | 01B Release 2001-B |
|  | 0051 | Controlling agency | an.. 2 | M | * | UN UN/CEFACT |
|  | 0057 | Association assigned code | an.. 6 | R | * | EAN009 GS1 version control number (GS1 Permanent Code) |

Segmentstatus: Mandatory
This segment is used to head, identify and specify a message.

## Example: UNH+1+ORDRSP:D:01B:UN:EAN009'

Identification data of the ORDRSP message. The message reference number "1" must be repeated in the UNT segment at the end of the message.

## Bestellantwort

## Segment Layout

## Heading section

| No. Seg St Max. Occ. |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4 <br> M 1 <br> Beginning of message |  |  |  |  |  |  |
| Business Term | DE | EDIFACT | Format | St | * | Description |
|  | C002 | $\begin{array}{\|l} \hline \begin{array}{l} \text { Document/message } \\ \text { name } \end{array} \\ \hline \end{array}$ |  | R |  |  |
| Type of document | 1001 | Document name code | an.. 3 | R | * | 231 Purchase order response |
|  | 1131 | Code list identification code | an.. 17 | N |  |  |
|  | 3055 | Code list responsible agency code | an.. 3 | N |  |  |
|  | 1000 | Document name | an. 35 | 0 |  | Example "OR" for order response. |
|  | C106 | Document/message identification |  | R |  |  |
| Purchase order response number | 1004 | Document identifier | an. 35 | R |  | Purchase order response number assigned by document sender |
|  | 1225 | Message function code | an.. 3 | R | * | 4 Change <br> 29 Accepted without amendment |

## Segmentstatus: Mandatory

This segment is used to indicate the type and function of a message and to transmit the identifying number.

## Note to DE 1225:

The message function, coded is a critical element in this segment. The restricted codes detailed in DE 1225 have the following definitions:

4 = Change - The supplier accepts to supply the goods or services requested in the Purchase Order or Purchase Order Change Request, but requires changes to one or more of the items.
29 = Accepted without amendment - The supplier accepts to supply the goods or services requested according to the terms set out in the Purchase Order or Purchase Order Change Request.

Example: BGM+231: : : OR $+128222+29^{\prime}$
The order response has the number 128222.

## Bestellantwort

## Segment Layout

## Heading section

|  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  No. Deg Max. Occ.  <br>  DTM M 1   <br> To specify date, and/or time, or period.    |  |  |  |  |  |  |
| Business Term | DE | EDIFACT | Format | St | * | Description |
|  | C507 | Date/time/period |  | M |  |  |
|  | 2005 | Date or time or period function code qualifier | an.. 3 | M | * | 137 Document/ message date/ time |
| Order confirmation date | 2380 | Date or time or period value | an. 35 | R |  |  |
|  | 2379 | Date or time or period format code | an.. 3 | R |  | 102 CCYYMMDD <br> 203 CCYYMMDDHHMM |

Segmentstatus: Mandatory
This segment is used to specify the date of the order response. Identification of the 'Document/ message date/time' (code value 137) is mandatory in the message.

Example: DTM+137:20201020:102'
Date of the order confirmation is the 20th of October 2020.

## Bestellantwort

## Segment Layout

## Heading section



## Bestellantwort

## Segment Layout

## Heading section

| St Max. Occ. |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| SG3 $\quad$ R | R 1 | NAD-LOC-FII-SG4-SG6 |  |  |  |  |
| To specify the name/address and their related function, either by C082 only and/or unstructured by C058 or structured by C080 thru 3207. |  |  |  |  |  |  |
| Business Term | DE | EDIFACT | Format | St | * | Description |
|  | 3035 | Party function code qualifier | an.. 3 | M | * | SU Supplier |
|  | C082 | Party identification details |  | A |  |  |
| Identification of supplier | er 3039 | Party identifier | an. 35 | M |  | Global Location Number (GLN) <br> - Format n13 |
|  | 1131 | Code list identification code | an. 17 | N |  |  |
|  | 3055 | Code list responsible agency code | an.. 3 | R | * | 9 GS1 |
| Segmentstatus: Mandatory |  |  |  |  |  |  |
| Within EANCOM it is mandatory to identify the supplier/manufacturer by Global Location Number (GLN). |  |  |  |  |  |  |
| The supplier/manufacturer is identified by Global Location Number (GLN) 4012345000009. |  |  |  |  |  |  |

## Bestellantwort

## Segment Layout

## Heading section



Segmentstatus: Depending

This RFF segment may only be used if the preceeding NAD has not enought space to fulfill the requirements of directive 2003/58/EG, article 4.

Example: RFF+GN:HRB-471111'
German statements on business letters: HRB-471111

## Bestellantwort

## Segment Layout

## Heading section



Segmentstatus: Optional
The RFF segment following the NAD segment canspecify the tax number.
Example: RFF+VA:DE345678912'
The VAT registration number is DE345678912.

## Bestellantwort

## Segment Layout

## Heading section

| No. Seg St Max. Occ. |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| SG3 R 1 | R 1 | NAD-LOC-FII-SG4-SG6 |  |  |  |  |
| SG4 01 | $\bigcirc 1$ | RFF |  |  |  |  |
| M 1 <br> To specify a refere | $\text { M } 1$ | Reference |  |  |  |  |
| Business Term | DE | EDIFACT | Format | St | * | Description |
|  | C506 | Reference |  | M |  |  |
|  | 1153 | Reference code qualifier | an.. 3 | M | * | YC1 Additional party identification (GS1 Temporary Code) |
| Additional party identification (supplier) | 1154 | Reference identifier | an.. 70 | R |  |  |

Segmentstatus: Optional
This segment is used to provide reference numbers concerning the partners identified in preceding NAD segment. The use of this segment needs to be mutually agreed between the trading partners.

If no functional or organisational differences are necessary within one company only the GLN is used for communication purposes, if applicable the receiver links within the inhouse system.
Additional identifications should be agreed only in those cases when different functional entities need to be distinguished at one location.

Example: RFF+YC1:12345'
The additional party identification (supplier) is 12345.

## Bestellantwort

## Segment Layout

## Heading section



## Bestellantwort

## Segment Layout

## Heading section



Segmentstatus: Depending

This RFF segment may only be used if the preceeding NAD has not enought space to fulfill the requirements of directive 2003/58/EG, article 4.

Example: RFF+GN:HRB-471111'
German statements on business letters: HRB-471111

## Bestellantwort

## Segment Layout

## Heading section



## Bestellantwort

## Segment Layout

## Heading section

| No. Seg St Max. Occ. |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| SG3 R 1 | R 1 | NAD-LOC-FII-SG4-SG6 |  |  |  |
| SG4 01 | $\bigcirc 1$ | RFF |  |  |  |
| M 1 <br> To specify a refere | $\text { M } 1$ | Reference |  |  |  |
| Business Term | DE | EDIFACT | Format | St | Description |
|  | C506 | Reference |  | M |  |
|  | 1153 | Reference code qualifier | an.. 3 | M | YC1 Additional party identification (GS1 Temporary Code) |
| Additional party identification (Buyer) | 1154 | Reference identifier | an.. 70 | R |  |

Segmentstatus: Optional
This segment is used to provide reference numbers concerning the partners identified in preceding NAD segment. The use of this segment needs to be mutually agreed between the trading partners.

If no functional or organisational differences are necessary within one company only the GLN is used for communication purposes, if applicable the receiver links within the inhouse system. Additional identifications should be agreed only in those cases when different functional entities need to be distinguished at one location.

Example: RFF+YC1:22369'
The additional party identification (customer) is 22369.

## Bestellantwort

## Segment Layout

## Heading section

| Seg St Max. Occ. |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| SG3 <br> 15 NAD <br> To specify th unstructured | e/addre 058 or stru | NAD-LOC-FII-SG4-SG <br> Name and address ess and their related structured by C080 th | unction, 3207. | eith | er | by C082 only and/or |
| Business Term | DE | EDIFACT | Format | St |  | Description |
|  | 3035 | Party function code qualifier | an.. 3 | M | * | IV Invoicee |
|  | C082 | Party identification details |  | A |  |  |
| Identification of invoicee | 3039 | Party identifier | an. 35 | M |  | Global Location Number (GLN)- Format n13 |
|  | 1131 | Code list identification code | an.. 17 | N |  |  |
|  | 3055 | Code list responsible agency code | an.. 3 | R |  | 9 GS1 <br> 91 Assigned by supplier or supplier's agent <br> 92 Assigned by buyer or buyer's agent |
| Segmentstatus: Optional |  |  |  |  |  |  |
| The invoicee is identifi <br> Example: NAD+IV+4071 <br> Invoicee is id | GLN if 2710 : :9 ed by G | not identical with buy <br> GLN 4071615192710. |  |  |  |  |

## Bestellantwort

## Segment Layout

## Heading section



Segmentstatus: Mandatory
This NAD segment always identifies the first delivery place.
The NAD segment is used to specify names, address and function of a partner, either only by data element group C082 and/or in structure form by data element group C080 to 3707.

DE 3039: Use of GLN, the specification of the Global Location Number is sufficient.

## Bestellantwort

## Segment Layout

## Heading section

For receivers, who do not have GLN, the address is indicated as clear text. The group C082 remains empty in this case.

If the delivery party is not known (e.g. pick up by third party), the GLN of the buyer is indicated in DE 3039

Example: NAD+DP+4399899175941: :9++EDI-LAND:Herr Laufen:Garage+Bussardweg 5+Leopardshöhle++3 3818+DE'
The receiver is identified by Global Location Number (GLN) 4399899175941. An address in clear text is only allowed in exceptional cases.

## Bestellantwort

## Segment Layout

## Heading section

| No. Seg St Max. Occ. |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| SG8 | O 1 | CUX-DTM |  |  |  |  |
| $17$ <br> CUX <br> To spec | $\text { M } 1$ <br> currencies used | Currencies <br> in the transaction |  |  |  |  |
| Business Term | DE | EDIFACT | Format | St |  | Description |
|  | C504 | Currency details |  | R |  |  |
|  | 6347 | Currency usage code qualifier | an.. 3 | M | * | 2 Reference currency |
| Currency code | 6345 | Currency identification code | an.. 3 | R |  | ISO 4217 3-Alpha Code |
|  | 6343 | Currency type code qualifier | an.. 3 | R * | * | 9 Order currency |
| Segmentstatus: Depending |  |  |  |  |  |  |
| This segment is used by the supplier to specify an amendment of the currency requested by the buyer. |  |  |  |  |  |  |
| Example: CUX+2:EUR:9' |  |  |  |  |  |  |

## Bestellantwort

## Segment Layout

## Detail section



| Business Term | DE | EDIFACT | Format | St | * |
| :--- | :---: | :--- | :--- | :--- | :--- |
| Line item number | 1082 | Line item identifier | an..6 | R | Application generated line <br> item number |
|  | 1229 | Action request/ <br> notification description <br> code | an..3 | R | $*$ |

DE 1229: Action Request, coded, is the critical DE in this segment. The following code value definitions apply:

2 = Deleted: The information is to be or has been deleted. 3 = Changed : The supplier accepts to supply the line item in a purchase order or purchase order change request, but requires one or more changes to the terms set out in the referenced message, as indicated by the data in, and following, the LIN segment. The buyer must acknowledge these requirements by sending a new purchase order or purchase order change request.
5 = Accepted : The supplier accepts to supply the line item in a purchase order or purchase order change request. Though it is not necessary to re-transmit unamended line items or cancellations, this may be done for confirmation 7 = Not Accepted: The supplier declines to supply the line item in a purchase order or purchase order change request.
-

## Bestellantwort

## Segment Layout

Detail section

| Business Term | DE | EDIFACT | Format | St | $*$ | Description |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Number | 7140 |  | an..35 | R | Format n..14 |  |
|  | 7143 | Item type identification <br> code | an..3 | R | $*$ | SRV GS1 Global Trade <br> Item Number |
| Segmentstatus: Mandatory |  |  |  |  |  |  |
| The LIN-segment is used to specify the item being ordered. |  |  |  |  |  |  |
| The detail section always starts with the LIN-segment. |  |  |  |  |  |  |
| Example: LIN+1+5+4000004000035:SRV' |  |  |  |  |  |  |
| The ordered item with the item number 1 is identified with the GTIN 4000004000035 was |  |  |  |  |  |  |
| accepted without amendment. |  |  |  |  |  |  |

## Bestellantwort

## Segment Layout

## Detail section

| No. Seg St Max. Occ. |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| SG26 ○ 200000 |  | LIN-PIA-IMD-MEA-QTY-ALI-DTM-MOA-GIN-QVR-FTX-SG30-SG31-SG32-SG35-SG36-SG37-SG41-SG47 |  |  |  |  |
| 19 PIA O 19 Additional product id |  |  |  |  |  |  |
| Business Term | DE | EDIFACT | Format | St | * | Description |
|  | 4347 | Product identifier code qualifier | an.. 3 | M | * | 5 Product identification |
|  | C212 | Item number identification |  | M |  |  |
| Supplier's acticle number | 7140 | Item identifier | an. 35 | R |  |  |
|  | 7143 | Item type identification code | an.. 3 | R | * | SA Supplier's article number |
|  | 1131 | Code list identification code | an.. 17 | 0 |  |  |
|  | 3055 | Code list responsible agency code | an.. 3 | D | * | 91 Assigned by supplier or supplier's agent |

Segmentstatus: Optional
This segment is used to specify the supplier's article number
Example:PIA+5+ABC5343:SA: :91'
The article number of the supplier is ABC5343

## Bestellantwort

## Segment Layout

## Detail section

| No. Seg St Max. Occ. |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| SG26 ○ 200000 |  | LIN-PIA-IMD-MEA-QTY-ALI-DTM-MOA-GIN-QVR-FTX-SG30-SG31-SG32-SG35-SG36-SG37-SG41-SG47 |  |  |  |  |
| $20 . \begin{array}{ll}\text { PIA } \\ & \text { To specify a }\end{array}$ | O 1 | Additional product id | fication | cod | 20 PIA <br> 01 <br> Additional product id |  |
| Business Term | DE | EDIFACT | Format | St | * | Description |
|  | 4347 | Product identifier code qualifier | an.. 3 | M | * | 5 Product identification |
|  | C212 | Item number identification |  | M |  |  |
| Buyers acticle number | 7140 | Item identifier | an. 35 | R |  |  |
|  | 7143 | Item type identification code | an.. 3 | R | * | IN Buyer's item number |
|  | 1131 | Code list identification code | an. 17 | 0 |  |  |
|  | 3055 | Code list responsible agency code | an.. 3 | D | * | 92 Assigned by buyer or buyer's agent |

Segmentstatus: Optional
This segment is used to specify additional item identification such as buyer's item number.
Example:PIA+5+563985:IN: :92'
The customer item number is 563985 .

## Bestellantwort

## Segment Layout

## Detail section

| No. Seg St Max. Occ. |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| SG26 ○ 200000 |  | LIN-PIA-IMD-MEA-QTY-ALI-DTM-MOA-GIN-QVR-FTX-SG30-SG31-SG32-SG35-SG36-SG37-SG41-SG47 |  |  |  |  |
| To specify a pertinent quantity. |  |  |  |  |  |  |
| Business Term | DE | EDIFACT | Format | St | * | Description |
|  | C186 | Quantity details |  | M |  |  |
|  | 6063 | Quantity type code qualifier | an.. 3 | M | * | 21 Ordered quantity |
| Originally ordered quantity | 6060 | Quantity | an. 35 | M |  | Note: <br> Use only numeric values. |
|  | 6411 | Measurement unit code | an.. 3 | D |  | All code values of the codes list are allowed. |
| Segmentstatus: Optional |  |  |  |  |  |  |
| The QTY segment is used to specify the originally ordered quantity. |  |  |  |  |  |  |
| DE 6411 is only used, if the article is a variable quantity article. Default value is piece. |  |  |  |  |  |  |
| Example: QTY+21:20' |  |  |  |  |  |  |

## Bestellantwort

## Segment Layout

## Detail section

| No. Seg St Max. Occ. |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| SG26 O $200000 \begin{aligned} & \text { LIN-PIA-IMD-MEA-QTY-ALI-DTM-MOA-GIN-QVR-FTX-SG30- } \\ & \\ & \text { SG31-SG32-SG35-SG36-SG37-SG41-SG47 }\end{aligned}$ |  |  |  |  |  |  |
| R 1 <br> Quantity <br> To specify a pertinent quantity. |  |  |  |  |  |  |
| Business Term | DE | EDIFACT | Format | St | * | Description |
|  | C186 | Quantity details |  | M |  |  |
|  | 6063 | Quantity type code qualifier | an.. 3 | M | * | 113 Quantity to be delivered |
| Quantity to be delivered | 6060 | Quantity | an. 35 | M |  | Note: <br> Use only numeric values. |
|  | 6411 | Measurement unit code | an.. 3 | D |  | All code values of the codes list are allowed. |
| Segmentstatus: Required |  |  |  |  |  |  |
| The QTY segment is used to specify the quantity to be delivered. |  |  |  |  |  |  |
| Example: QTY+113:10' |  |  |  |  |  |  |

## Bestellantwort

## Segment Layout

## Detail section



## Bestellantwort

## Segment Layout

## Detail section



## Bestellantwort

## Segment Layout

## Detail section



## Bestellantwort

## Segment Layout

## Summary section <br> Summary section



## Bestellantwort

## Segment Layout

## Summary section

| No. Seg St Max. Occ. |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 27 <br> MOA <br> O 1 <br> Monetary amount <br> To specify a monetary amount. |  |  |  |  |  |
| Business Term | DE | EDIFACT | Format | St | Description |
|  | C516 | Monetary amount |  | M |  |
|  | 5025 | Monetary amount type code qualifier | an.. 3 | M | 79 Total line items amount |
| Total line items amount | 5004 | Monetary amount | n.. 35 | R |  |

Segmentstatus: Optional
This segment can be used by the supplier to specify an amendment of the monetary value of the buyers order.

Example:MOA+79:200'
The total line itme amount is 200 EUR.

## Bestellantwort

## Segment Layout

## Summary section

| No. Seg St Max. Occ. |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 28 UNT M 1 Message trailer |  |  |  |  |  |
| Business Term | DE | EDIFACT | Format | St | Description |
| Total number of segments in the message | 0074 | Number of segments in the message | n. 6 | M |  |
|  | 0062 | Message reference number | an.. 14 | M | The reference number from the UNH segment must be repeated here Unambiguous message reference number (identical with DE 0062 in the UNH segment) |

Segmentstatus: Mandatory
This segment is a mandatory UN/EDIFACT segment. It must always be the last segment in the message.

Example: UNT+26+1'
Number of segments in the message.

## Bestellantwort

## Segment Layout

| St Max. Occ. |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $29 \quad$UNZ M 1 Interchange trailer <br>  To end and check the completeness of an interchange. |  |  |  |  |  |
| Business Term | DE | EDIFACT | Format | St | Description |
| End of the transmission file, Number of messages or message groups | 0036 | Interchange control count | n.. 6 | M | Number of messages or message groups in the transmission file. |
| Interchange control reference, end | 0020 | Interchange control reference | an.. 14 | M | Interchange control reference, identical with UNB DE 0020. |

Segmentstatus: Mandatory
The UNZ segment is the last segment of the transmission file.
Note DE 0036:
If functional groups are not used, this is the number of messages within the interchange.
Example: UNZ+1+4711'
The transmission file contains 1 message.

## Bestellantwort

## Used Codes



## Bestellantwort

## Used Codes

| 0007 | Partner identification code qualifier <br> Qualifier referring to the source of codes for the identifiers of interchanging <br> partners. <br> Notes: <br> 1. Used with sender/recipient identification code. |
| :--- | :--- |
| GS1 <br> Partner identification code assigned by GS1, an international organization of <br> GS1 Member Organizations that manages the GS1 System. |  |
| $\mathbf{0 0 2 5}$ | Recipient's reference/password qualifier <br> Qualifier for the recipient's reference or password. <br> Notes: <br> 1. If specified in IA. |
| Reference |  |
| Recipient's reference/password is a reference. |  |

## Bestellantwort

## Used Codes

1
Interchange is a test
Indicates that the interchange is a test.

0051 | Controlling agency |
| :--- |
| Code to identify the agency controlling the specification, maintenance and |
| publication of the message type. |
| UN/CEFACT |
| United Nations Centre for Trade Facilitation and Electronic Business (UN/ |
| CEFACT). |
| GS1 Description: |
| UN Economic Commission for Europe (UN/ECE), Committee on the |
| development of trade (TRADE), Working Party on facilitation of international |
| trade procedures (WP.4). |

## 0065

## Message type

Code identifying a type of message and assigned by its controlling agency.
Notes:

1. Type of message being transmitted.

## Bestellantwort

## Used Codes

| ORDRSP | Purchase order response message <br> A code to identify the purchase order response message. <br> GS1 Description: <br> Message from the seller to the buyer, responding to a purchase order message <br> or a purchase order change request message. |
| :--- | :--- |
| $\mathbf{0 0 8 1}$ | Section identification <br> Separates sections in a message. |
| Detail/summary section separation |  |
| To qualify the segment UNS, when separating the detail from the summary |  |
| section of a message. |  |

## Bestellantwort

## Used Codes

| 132 | Charge <br> Identification of a type of charge. <br> Notes: <br> This code value will be removed effective with directory D.04A. |
| :---: | :---: |
| 154 | Bank branch sorting identification Identification of a specific branch of a bank. <br> Notes: <br> This code value will be removed effective with directory D.04A. |
| 157 | Clearing code <br> Identification of the responsible bank/clearing house which has cleared or is ordered to do the clearing. <br> Notes: <br> This code value will be removed effective with directory D.04A. |
| 166 | Social security identification <br> Code assigned by the authority competent to issue social security identification to identify a person. <br> Notes: <br> This code value will be removed effective with directory D.04A. |
| 174 | Citizen identification <br> Self explanatory. <br> Notes: <br> This code value will be removed effective with directory D.04A. <br> GS1 Description: <br> Code issued by national authority competent to issue citizen identification to identify a person. |
| 1E | Incoterms 1990 (GS1 Temporary Code) <br> Incoterms 1990 as published by the International Chamber of Commerce (ICC). |
| 2 E | Incoterms 2000 (GS1 Temporary Code) <br> Incoterms 2000 as published by the International Chamber of Commerce (ICC). |
| 3E | Incoterms 2010 (GS1 Temporary Code) <br> Incoterms 2010 as published by the International Chamber of Commerce (ICC). |
| ADR | Accord Europeen au transport international dangereuses (GS1 Temporary Code) <br> A European agreement concerning the international carriage of dangerous goods by road. |

## Bestellantwort

## Used Codes

| BR | Brand (GS1 Temporary Code) <br> An identifying mark or label on the products of a particular company, or the kind or make of a commodity. |
| :---: | :---: |
| CA | Category (GS1 Temporary Code) <br> A class or division in a scheme of classification. |
| CO | Colour (GS1 Temporary Code) Description of the colour required/available on the goods. |
| FL | Flavor (GS1 Temporary Code) The characteristic quality of goods. |
| HMT | Hazardous material standard text (GS1 Temporary Code) Code indicating agreed standard text on hazardous materials. |
| LOC | Location Code (GS1 Temporary Code) <br> This is a code to indicate where the EAS tag is located on the Trade Item. Values include On outside of Trade Item, Concealed inside Trade Item, Integrated Inside Trade Item. |
| OAG | Organic Claim Agency (GS1 Temporary Code) <br> A governing body that creates and maintain standards related to organic products. |
| OCO | Organic Trade Item Code (GS1 Temporary Code) <br> Used to indicate the organic status of a trade item or of one or more of its components. |
| OUM | Ordering unit of measure (GS1 Temporary Code) <br> The alternate Unit of Measure of how Trade Items are ordered by the Retailer under one Unit of Measure, but sold under another Unit of Measure. |
| SKB | SKRS recommendation (GS1 Temporary Code) SKRS recommendation for standard clothes hanger. |
| SRN | Service relation number (GS1 Temporary Code) <br> A number used to identify a database entry which records recurring services, e.g., treatment of a patient in a hospital, usage by a member of a library facilities, etc. |
| ST | Style (GS1 Temporary Code) <br> Specific or characteristic design in any goods. |
| SUM | Selling unit of measure (GS1 Temporary Code) <br> Describes the measurement used for selling unit of the Trade Item to the end consumer. |
| SZ | Size (GS1 Temporary Code) <br> Any of a series of graded classifications of measure into which goods are divided. |

## Bestellantwort

## Used Codes

| SZG | Size Group (GS1 Temporary Code) <br> A description of the variable size that is necessary to uniquely specify the size of the item in conjunction with the nonpackaged size dimension. |
| :---: | :---: |
| TYP | Type Code (GS1 Temporary Code) <br> This is a code to indicate the type of EAS tag located on the Trade Item. Values include Acousto-Magnetic, Electro-Magnetic, Ink or dye, Microwave, Radio Frequency. |
| X11 | Diet Allergen (GS1 Temporary Code) <br> Indication of which dietary or allergen marks that are on the package. |
| X12 | Environment (GS1 Temporary Code) <br> Indication of which environmental marks (e.g. recycling schemes) that are on trade item package. |
| X13 | Ethical (GS1 Temporary Code) <br> Indication of which ethical trading marks that are on the package. |
| X14 | Free Form (GS1 Temporary Code) <br> Indication of which free-from marks that are on the package. |
| X15 | Expiration date (GS1 Temporary Code) <br> Indicates the type of expiration date marked on the packaging. |
| X16 | Nesting Direction (GS1 Temporary Code) <br> Depicts the arrangement of two items that nest together specifically whether they nest against each other or on top of each other. |
| X17 | Package Marks Hygienic (GS1 Temporary Code) Indication of which hygiene markings are present in the product package |
| X18 | Hazardous Components are Removable (GS1 Temporary Code) <br> An indicator if any hazardous components contained within the trade item can easily be separated from the other materials to facilitate product recycling. |
| X19 | Trade Item Has Refuse Obligations (GS1 Temporary Code) <br> Indicates if there are special disposal obligations that apply to the trade item for example INTRASTAT. |
| X20 | Trade Item Is Designed for Easy Disassembly (GS1 Temporary Code) Indicates that the trade item is designed for easy disassembly by recycling facilities using standard industry tools. |
| X21 | Trade Item Is Rigid Plastic Packaging Container (GS1 Temporary Code) Indicates that a product is or is contained in a Rigid Plastic Packaging Container (RPPC) as defined by laws in the target market. |
| X22 | Trade Item Is ROHS Compliant (GS1 Temporary Code) <br> Indicates if the product is compliant with the European Union RoHS Directive. |
| X23 | Trade Item Is Universal Waste (GS1 Temporary Code) Indicates if a product can be considered universal waste. |

## Bestellantwort

| X24 | Trade Item Is Consumer Upgradeable Or Maintainable (GS1 Temporary Code) Indicates if a product can be easily upgraded or have parts replaced by the consumer. |
| :---: | :---: |
| X25 | Trade Item Contains Short Chain Chlorinated Paraffins (GS1 Temporary Code) Indicate if the trade item and/or its components contain paints, coatings, plastics or other materials containing short chain chlorinated paraffins (SCCPs). |
| X26 | Trade Item Contains Pesticide (GS1 Temporary Code) <br> Indicates if the trade item is advertised or labelled as a chemical or contains a chemical that is advertised or labelled to kill, repel or prevent the growth of any living organism. |
| X27 | Trade Item Contains Propellant (GS1 Temporary Code) Indicates if a trade item contains a compressed gas or propellant. |
| X28 | Trade Item Contains Polyvinyl Chloride (GS1 Temporary Code) Indicate if product contains Polyvinyl Chloride (PVC), a widely used thermoplastic polymer. |
| X29 | Trade Item Chemical Is Not Intended For Human Consumption (GS1 <br> Temporary Code) <br> Indicates that the trade item is or contains a Liquid, Gel, Paste, Powder, or Flammable solid not intended for human consumption (ingested). |
| X30 | ROHS Compliance Failure Material (GS1 Temporary Code) <br> The material used in the trade item that does not comply with the ROHS Directives |
| X31 | Packaging Terms And Condition (GS1 Temporary Code) Indicates if the packaging given in the described packaging configuration is a rented, exchangeable, against deposit or one way/not reusable. |
| X32 | Warranty Effective Date Type (GS1 Temporary Code) <br> The type of date associated with the warranty trade item usually expressed as an event date for the item for example date of purchase, date of manufacture or date of delivery. |
| X33 | Warranty Type (GS1 Temporary Code) <br> Type of warranty available for the part, e.g. labour, distance, extended service. |
| X35 | Warranty Constraint (GS1 Temporary Code) <br> Defines the relationship between different guarantee terms, e.g. "and", "or", "the stronger", "the weaker". |
| X36 | Seasonal Availability End Date (GS1 Temporary Code) Indicates the end date of the trade item's seasonal availability. |
| X37 | Seasonal Availability Start Date (GS1 Temporary Code) <br> Indicates the start date of the trade item's seasonal availability. |

## Bestellantwort

## Used Codes

| X38 | Season Calendar Year (GS1 Temporary Code) <br> This element indicates the calendar year in which the trade item is seasonally available. |
| :---: | :---: |
| X39 | Season Parameter (GS1 Temporary Code) <br> Indication of the season, in which the trade item is available. |
| X40 | Trade Item Automatic Power Down is Enabled (GS1 Temporary Code) <br> An indicator whether a product is enabled with auto power down feature when shipped to the customer. |
| X41 | Electrical Usage Agency Code (GS1 Temporary Code) <br> The agency that regulates electrical usage for products within a target market. |
| X42 | Nesting Type (GS1 Temporary Code) <br> Depicts whether a nested item fits inside or over the other item in a nesting relationship. |
| X43 | Display Dimension Type Code (GS1 Temporary Code) Depicts certain display scenarios used for measurement. |
| X44 | Manufacturer Has Take Back Program (GS1 Temporary Code) <br> Indicates if the manufacturer of the trade item offers any take back programs to consumers for the product to be reused, remanufactured or recycled by the manufacturer. |
| X45 | Display Resolution (GS1 Temporary Code) <br> The display resolution of a television or computer display. |
| X46 | Orientation Preference Sequence (GS1 Temporary Code) <br> Depicts the preferred sequence of orientation used to communicate the manufacturers relative preferences of orientation. |
| X47 | Orientation Type (GS1 Temporary Code) <br> Depicts via code a display orientation for a trade item. |
| X48 | Electrical Usage Trade Item Classification Code (GS1 Temporary Code) A classification code value from a product classification scheme provided to drive required information for electrical usage. |
| X49 | Electrical Usage Trade Item Classification Name (GS1 Temporary Code) A classification name from a product classification scheme provided to drive required information for electrical usage. |
| X50 | Electrical Usage SubClassification Code (GS1 Temporary Code) A sub-classification code value from a product classification scheme provided to drive required information for electrical usage. |
| X51 | Electrical Usage SubClassification Name (GS1 Temporary Code) A sub-classification name provided to drive required information for electrical usage. |

## Bestellantwort

## Used Codes

| X52 | Confirmation Status Code (GS1 Temporary Code) <br> The CIC Confirmation Code must be of a type of code number that can be generated automatically by a computer system. |
| :---: | :---: |
| X53 | Confirmation Status Code Description (GS1 Temporary Code) <br> Provides the code description that matches up with the Code that can possibly be generated automatically by a computer system. |
| X54 | Additional Confirmation Status Description (GS1 Temporary Code) <br> Provides a way to communicate human entered information that may not be covered by the machine to machine codes and descriptions. |
| X55 | Corrective Action (GS1 Temporary Code) <br> Provides the corrective action code to fix the issue that caused the problem. |
| X56 | Expected Corrective Information (GS1 Temporary Code) Provides the expected corrective information via a human entered information that may not be covered by the machine to machine codes. |
| X57 | Electrical Usage Trade Item Classification Agency (GS1 Temporary Code) A classification agency or organisation whose product classification scheme is being provided to drive required information for electrical usage. |
| X58 | ASFIS (GS1 Permanent Code) <br> FAO alpah-3 code list for fish species identification, commercial name \& scientific name. |
| X59 | FAO fishing areas (GS1 Permanent Code) FAO fishing areas codelist. |
| X60 | FAO Fishing gear type (GS1 Permanent Code) FAO Fishing gear type codelist. |
| X61 | EU fish quality (GS1 Permanent Code) EU fish quality grade code list ( $\mathrm{E}, \mathrm{A}, \mathrm{B}, \mathrm{C}$ ). |
| X62 | EU fish size (GS1 Permanent Code) <br> EU fish standardized size code list (1, 2, 3, 4, 5 \& One_Size). |
| X63 | EU fish presentation (GS1 Permanent Code) <br> EU fish presentation code list (3 or 5 char alpha code). |
| ZZZ | Mutually defined <br> Self explanatory. <br> Note: This code value will be removed effective with directory D.04A. |
| 1153 | Reference code qualifier Code qualifying a reference. |

## Bestellantwort

## Used Codes

| GN | Government reference number <br> A number that identifies a government reference. <br> GS1 Description: <br> This code value should not be used to provide the tax identification number for a party (use code VA). |
| :---: | :---: |
| LI | Line item reference number <br> (1156) Reference number identifying a particular line in a document. |
| ON | Order number (buyer) <br> [1022] Reference number assigned by the buyer to an order. |
| VA | VAT registration number <br> Unique number assigned by the relevant tax authority to identify a party for use in relation to Value Added Tax (VAT). |
| YC1 | Additional party identification (GS1 Temporary Code) <br> Reference number to an additional party identification. This number may be the internal trading partner identification number used by a party to identify its trading parties. |
| 1225 | Message function code Code indicating the function of the message. |
| 4 | Change <br> Message containing items to be changed. <br> GS1 Description: <br> Message containing items (e.g. line items, goods items, customs items, equipment items) to be changed in a previously sent message or an existing data base. |
| 29 | Accepted without amendment Referenced message is entirely accepted. |
| 1229 | Action request/notification description code Code specifying the action to be taken or already taken. |
| 1 | Added <br> The information is to be or has been added. <br> GS1 Description: <br> This line item is added to a referenced message or an existing data base. |
| 2 | Deleted <br> The information is to be or has been deleted. <br> GS1 Description: <br> This line item is deleted from a referenced message or an existing data base. |

## Bestellantwort

## Used Codes

| 3 | Changed <br> The information is to be or has been changed. <br> GS1 Description: <br> This line item is changed in a referenced message or an existing data base. A change to data on a data base would normally result in the creation of a history entry recording the correction. |
| :---: | :---: |
| 5 | Accepted without amendment This line item is entirely accepted by the seller. |
| 7 | Not accepted <br> This line item is not accepted by the seller. |
| 2005 | Date or time or period function code qualifier Code qualifying the function of a date, time or period. |
| 67 | Delivery date/time, current schedule Delivery Date deriving from actual schedule. |
| 137 | Document/message date/time <br> (2006) Date/time when a document/message is issued. This may include authentication. |
| 2379 | Date or time or period format code Code specifying the representation of a date, time or period. |
| 2 | DDMMYY <br> Calendar date: D = Day; M = Month; Y = Year. |
| 101 | YYMMDD <br> Calendar date: $\mathrm{Y}=$ Year; $\mathrm{M}=$ Month; $\mathrm{D}=$ Day. |
| 102 | CCYYMMDD <br> Calendar date: $\mathrm{C}=$ Century ; $\mathrm{Y}=$ Year ; $\mathrm{M}=$ Month ; $\mathrm{D}=$ Day. |
| 104 | MMWW-MMWW <br> A period of time specified by giving the start week of a month followed by the end week of a month. Data is to be transmitted as consecutive characters without hyphen. |
| 107 | DDD <br> Day's number within a specific year: D = Day. |
| 108 | WW <br> Week's number within a specific year: W = Week. |
| 109 | MM <br> Month's number within a specific year: $M=$ Month. |
| 110 | DD <br> Day's number within is a specific month. |

## Bestellantwort

Used Codes

| 201 | YYMMDDHHMM <br> Calendar date including time without seconds: Y = Year; M = Month; D = Day; $H=$ Hour; $M=$ Minute. |
| :---: | :---: |
| 203 | CCYYMMDDHHMM <br> Calendar date including time with minutes: $\mathrm{C}=$ Century; $\mathrm{Y}=\mathrm{Year} ; \mathrm{M}=$ Month; D=Day; H=Hour; M=Minutes. |
| 204 | CCYYMMDDHHMMSS <br> Calendar date including time with seconds: $\mathrm{C}=$ Century; $\mathrm{Y}=\mathrm{Year;} \mathrm{M}=$ Month; D=Day;H=Hour;M=Minute;S=Second. |
| 401 | HHMM <br> Time without seconds: $\mathrm{H}=$ Hour; $\mathrm{m}=$ Minute. |
| 501 | HHMMHHMM <br> Time span without seconds: $\mathrm{H}=$ Hour; $\mathrm{m}=$ Minute; . |
| 502 | HHMMSS-HHMMSS <br> Format of period to be given without hyphen. |
| 602 | CCYY <br> Calendar year including century: $C=$ Century; $Y=$ Year. |
| 609 | YYMM <br> Month within a calendar year: $\mathrm{Y}=$ Year; $\mathrm{M}=$ Month . |
| 610 | CCYYMM <br> Month within a calendar year: CC = Century; Y = Year; M = Month. |
| 615 | YYWW <br> Week within a calendar year: Y = Year; $W=$ Week 1st week of January $=$ week 01. |
| 616 | CCYYWW <br> Week within a calendar year: CC = Century; Y = Year; W = Week (1st week of January = week 01). |
| 713 | YYMMDDHHMM-YYMMDDHHMM <br> Format of period to be given in actual message without hyphen. |
| 715 | YYWW-YYWW <br> A period of time specified by giving the start week of a year followed by the end week of year (both not including century). Data is to be transmitted as consecutive characters without hyphen. |
| 717 | YYMMDD-YYMMDD <br> Format of period to be given in actual message without hyphen. |
| 718 | CCYYMMDD-CCYYMMDD <br> Format of period to be given without hyphen. |

## Bestellantwort

## Used Codes

| 719 | CCYYMMDDHHMM-CCYYMMDDHHMM <br> A period of time which includes the century, year, month, day, hour and minute. Format of period to be given in actual message without hyphen. |
| :---: | :---: |
| 720 | DHHMM-DHHMM <br> Format of period to be given without hyphen ( $D=$ day of the week, $1=$ Monday; 2=Tuesday; ... 7=Sunday). |
| 801 | Year <br> To indicate a quantity of years. |
| 802 | Month <br> To indicate a quantity of months. |
| 803 | Week <br> To indicate a quantity of weeks. |
| 804 | Day <br> To indicate a quantity of days. |
| 805 | Hour <br> To indicate a quantity of hours. |
| 806 | Minute <br> To indicate a quantity of minutes. |
| 810 | Trimester <br> To indicate a quantity of trimesters (three months). |
| 811 | Half month <br> To indicate a quantity of half months. |
| 21E | DDHHMM-DDHHMM (GS1 Temporary Code) <br> Format of period to be given in actual message without hyphen. |
| 3035 | Party function code qualifier Code giving specific meaning to a party. |
| BY | Buyer <br> Party to whom merchandise and/or service is sold. |
| DP | Delivery party <br> (3144) Party to which goods should be delivered, if not identical with consignee. <br> GS1 Description: <br> Party to which goods should be delivered, if not the same as the buyer. |
| IV | Invoicee <br> (3006) Party to whom an invoice is issued. |

## Bestellantwort

Used Codes

| SU | Supplier <br> Party who supplies goods and/or services. <br> GS1 Description: <br> Party which provides service(s) and/or manufactures or otherwise has possession of goods, and consigns or makes them available in trade. |
| :---: | :---: |
| 3055 | Code list responsible agency code Code specifying the agency responsible for a code list. |
| 9 | GS1 <br> GS1 (formerly EAN International), an organisation of GS1 Member Organisations, which manages the GS1 System. <br> GS1 Description: <br> GS1 International. |
| 91 | Assigned by supplier or supplier's agent Codes assigned by a seller or seller's agent. <br> GS1 Description: <br> Code assigned by the supplier or supplier's agent. |
| 92 | Assigned by buyer or buyer's agent Codes assigned by a buyer or buyer's agent. |
| 3207 | Country name code <br> \| Identification of the name of the country or other geographical entity as defined in ISO 3166-1. <br> Notes: <br> \| 1. Use ISO 3166-1 two alpha country code. |
| AD | Andorra |
| AE | United Arab Emirates |
| AF | Afghanistan |
| AG | Antigua and Barbuda |
| AI | Anguilla |
| AL | Albania |
| AM | Armenia |
| AO | Angola |
| AQ | Antarctica |
| AR | Argentina |
| AS | American Samoa |
| AT | Austria |
| AU | Australia |
| AW | Aruba |

## Bestellantwort

## Used Codes

| AX | Åland Islands |
| :---: | :---: |
| AZ | Azerbaijan |
| BA | Bosnia and Herzegovina |
| BB | Barbados |
| BD | Bangladesh |
| BE | Belgium |
| BF | Burkina Faso |
| BG | Bulgaria |
| BH | Bahrain |
| BI | Burundi |
| BJ | Benin |
| BL | Saint Barthélemy |
| BM | Bermuda |
| BN | Brunei Darussalam |
| BO | Bolivia (Plurinational State of) |
| BQ | Bonaire, Sint Eustatius and Saba |
| BR | Brazil |
| BS | Bahamas |
| BT | Bhutan |
| BV | Bouvet Island |
| BW | Botswana |
| BY | Belarus |
| BZ | Belize |
| CA | Canada |
| CC | Cocos (Keeling) Islands |
| CD | Congo, Democratic Republic of |
| CF | Central African Republic |
| CG | Congo |
| CH | Switzerland |
| CI | Cote D'Ivoire |
| CK | Cook Islands |
| CL | Chile |
| CM | Cameroon |

## Bestellantwort

## Used Codes

Cons Colombia

## Bestellantwort

## Used Codes

| GG | Guernsey |
| :---: | :---: |
| GH | Ghana |
| GI | Gibraltar |
| GL | Greenland |
| GM | Gambia |
| GN | Guinea |
| GP | Guadeloupe |
| GQ | Equatorial Guinea |
| GR | Greece |
| GS | South Georgia and the South Sandwich Islands |
| GT | Guatemala |
| GU | Guam |
| GW | Guinea-Bissau |
| GY | Guyana |
| HK | Hong Kong |
| HM | Heard Island and Mcdonald Islands |
| HN | Honduras |
| HR | Croatia |
| HT | Haiti |
| HU | Hungary |
| ID | Indonesia |
| IE | Ireland |
| IL | Israel |
| IM | Isle Of Man |
| IN | India |
| IO | British Indian Ocean Territory |
| IQ | Iraq |
| IR | Iran (Islamic Republic of) |
| IS | Iceland |
| IT | Italy |
| JE | Jersey |
| JM | Jamaica |
| Jo | Jordan |

## Bestellantwort

## Used Codes

| JP | Japan |
| :---: | :---: |
| KE | Kenya |
| KG | Kyrgyzstan |
| KH | Cambodia |
| KI | Kiribati |
| KM | Comoros |
| KN | Saint Kitts and Nevis |
| KP | Korea (Democratic People'S Republic of) |
| KR | Korea, Republic of |
| KW | Kuwait |
| KY | Cayman Islands |
| KZ | Kazakhstan |
| LA | Lao People'S Democratic Republic |
| LB | Lebanon |
| LC | Saint Lucia |
| LI | Liechtenstein |
| LK | Sri Lanka |
| LR | Liberia |
| LS | Lesotho |
| LT | Lithuania |
| LU | Luxembourg |
| LV | Latvia |
| LY | Libya |
| MA | Morocco |
| MC | Monaco |
| MD | Moldova, Republic of |
| ME | Montenegro |
| MF | Saint Martin (French Part) |
| MG | Madagascar |
| MH | Marshall Islands |
| MK | Macedonia, the Former Yugoslav Republic of |
| ML | Mali |
| MM | Myanmar |

## Bestellantwort

## Used Codes

Mongolia $\quad$ Macao

## Bestellantwort

## Used Codes

Paint Pierre and Miquelon

## Bestellantwort

## Used Codes

| SZ | Swaziland |
| :---: | :---: |
| TC | Turks and Caicos Islands |
| TD | Chad |
| TF | French Southern Territories |
| TG | Togo |
| TH | Thailand |
| TJ | Tajikistan |
| TK | Tokelau |
| TL | Timor-Leste |
| TM | Turkmenistan |
| TN | Tunisia |
| TO | Tonga |
| TR | Turkey |
| TT | Trinidad and Tobago |
| TV | Tuvalu |
| TW | Taiwan, Province of China |
| TZ | Tanzania, United Republic of |
| UA | Ukraine |
| UG | Uganda |
| UM | United States Minor Outlying Islands |
| US | United States of America |
| UY | Uruguay |
| UZ | Uzbekistan |
| VA | Holy See |
| VC | Saint Vincent and the Grenadines |
| VE | Venezuela (Bolivarian Republic of) |
| VG | Virgin Islands, British |
| VI | Virgin Islands, U.S. |
| VN | Viet Nam |
| VU | Vanuatu |
| WF | Wallis and Futuna |
| ws | Samoa |
| YE | Yemen |

## Bestellantwort

## Used Codes

| Mayotte | South Africa |
| :--- | :--- |
| Zambia |  |
| ZA | Zimbabwe | | Product identifier code qualifier |
| :--- |
| Code qualifying the product identifier. |

## Bestellantwort

## Used Codes

| AAH | Subject to escalation and price adjustment <br> Subject to increase or development by successive stages and price adjustment. <br> Firm price <br> Price which will remain unchanged for a given time period. |
| :--- | :--- |
| ABL |  |
| Base price |  |
| The base price of a product or service. |  |

## Bestellantwort

## Used Codes

| 6343 | Currency type code qualifier Code qualifying the type of currency. |
| :---: | :---: |
| 9 | Order currency <br> The name or symbol of the monetary unit used in an order. |
| 6345 | Currency identification code Code specifying a monetary unit. <br> Notes: <br> 1. Use ISO 4217 three alpha code. |
| AED | Dirham |
| AFN | Afghani |
| ALL | Lek |
| AMD | Dram |
| ANG | Netherlands Antillian Guilder |
| AOA | Kwanza |
| ARS | Argentine Peso |
| AUD | Australian Dollar |
| AWG | Aruban Florin |
| AZN | Azerbaijan Manat |
| BAM | Convertible Mark |
| BBD | Barbados Dollar |
| BDT | Taka |
| BGN | Bulgarian Lev |
| BHD | Bahraini Dinar |
| BIF | Burundi Franc |
| BMD | Bermudian Dollar (customarily: Bermuda Dollar) |
| BND | Brunei Dollar |
| BOB | Boliviano |
| BOV | Mvdol |
| BRL | Brazilian Real |
| BSD | Bahamian Dollar |
| BTN | Ngultrum |
| BWP | Pula |
| BYN | Belarussian Ruble |

## Bestellantwort

Used Codes

| BZD | Belize Dollar |
| :---: | :---: |
| CAD | Canadian Dollar |
| CDF | Franc Congolais |
| CHE | WIR Euro |
| CHF | Swiss Franc |
| CHW | WIR Franc |
| CLF | Unidad de Fomento |
| CLP | Chilean Peso |
| CNY | Yuan Renminbi |
| COP | Colombian Peso |
| COU | Unidad de Valor Real |
| CRC | Costa Rican Colon |
| CUC | Peso Convertible |
| CUP | Cuban Peso |
| CVE | Cabo Verde Escudo |
| CZK | Czech Koruna |
| DJF | Djibouti Franc |
| DKK | Danish Krone |
| DOP | Dominican Peso |
| DZD | Algerian Dinar |
| EGP | Egyptian Pound |
| ERN | Nakfa |
| ETB | Ethopian Birr |
| EUR | Euro |
| FJD | Fiji Dollar |
| FKP | Falkland Islands Pound |
| GBP | Pound Sterling |
| GEL | Lari |
| GHS | Ghana Cedi |
| GIP | Gibraltar Pound |
| GMD | Dalasi |
| GNF | Guinean Franc |
| GTQ | Quetzal |

## Bestellantwort

Used Codes

| GYD | Guyana Dollar |
| :---: | :---: |
| HKD | Honk Kong Dollar |
| HNL | Lempira |
| HRK | Kuna |
| HTG | Gourde |
| HUF | Forint |
| IDR | Rupiah |
| ILS | New Israeli Sheqel |
| INR | Indian Rupee |
| IQD | Iraqi Dinar |
| IRR | Iranian Rial |
| ISK | Iceland Krona |
| JMD | Jamaican Dollar |
| JOD | Jordanian Dinar |
| JPY | Yen |
| KES | Kenyan Shilling |
| KGS | Som |
| KHR | Riel |
| KMF | Comorian Franc |
| KPW | North Korean Won |
| KRW | Won |
| KWD | Kuwaiti Dinar |
| KYD | Cayman Islands Dollar |
| KZT | Tenge |
| LAK | Lao Kip |
| LBP | Lebanese Pound |
| LKR | Sri Lanka Rupee |
| LRD | Liberian Dollar |
| LSL | Loti |
| LYD | Libyan Dinar |
| MAD | Morrocan Dirham |
| MDL | Moldovan Leu |
| MGA | Ariary |

## Bestellantwort

## Used Codes

| MKD | Denar |
| :---: | :---: |
| MMK | Kyat |
| MNT | Tugrik |
| MOP | Pataca |
| MRU | Ouguiya |
| MUR | Mauritius Rupee |
| MVR | Rufiyaa |
| MWK | Malawi Kwacha |
| MXN | Mexican Peso |
| MXV | Mexican Unidad de Inversion (UDI) |
| MYR | Malaysian Ringgit |
| MZN | Mozambique Metical |
| NAD | Namibia Dollar |
| NGN | Naira |
| NIO | Cordoba Oro |
| NOK | Norwegian Krone |
| NPR | Nepalese Rupee |
| NZD | New Zealand Dollar |
| OMR | Rial Omani |
| PAB | Balboa |
| PEN | Sol |
| PGK | Kina |
| PHP | Philippine Piso |
| PKR | Pakistan Rupee |
| PLN | Zloty |
| PYG | Guarani |
| QAR | Qatari Rial |
| RON | Romanian Leu <br> This currency code is effective from 1 July 2005 |
| RSD | Serbian Dinar |
| RUB | Russian Ruble |
| RWF | Rwanda Franc |
| SAR | Saudi Riyal |

## Bestellantwort

## Used Codes

Solomon Islands Dollar

## Bestellantwort

Used Codes

| VUV | Vatu |
| :---: | :---: |
| WST | Tala |
| XAF | CFA Franc |
| XAG | Silver |
| XAU | Gold |
| XBA | Bond Markets Units European Composite Unit (EURCO) |
| XBB | European Monetary Unit (E.M.U.-6) |
| XBC | European Unit of Account 9 (E.U.A.-9) |
| XBD | European Unit of Account 17 (E.U.A.-17) |
| XCD | East Carribean Dollar |
| XDR | SDR |
| XOF | CFA Franc |
| XPD | Palladium |
| XPF | CFP Franc |
| XPT | Platinum |
| XSU | Sucre |
| XTS | Codes specifically reserved for testing purposes |
| XUA | ADB Unit of Account |
| XXX | The codes assigned for transactions where no currency is involved |
| YER | Yemeni Rial |
| ZAR | Rand |
| ZMW | Zambian Kwacha |
| ZWL | Zimbabwe Dollar (effective 1 February 2009) |
| 6347 | Currency usage code qualifier Code qualifying the usage of a currency. |
| 1 | Charge payment currency <br> The currency in which charges are to be paid. |
| 2 | Reference currency <br> The currency applicable to amounts stated. It may have to be converted. |
| 3 | Target currency <br> The currency which should be used to the target destination of the transa |

## Bestellantwort

## Used Codes

| 6411 | Measurement unit code |
| :---: | :---: |
|  | Code specifying the unit of measurement. |
|  | Notes: <br> \| 1. Recommend use UN/ECE Recommendation 20, Common code. |
| 10 | group |
|  | A unit of count defining the number of groups (group: set of items classified together). |
| 11 | outfit |
|  | A unit of count defining the number of outfits (outfit: a complete set of equipment / materials / objects used for a specific purpose). |
| 13 | ration |
|  | A unit of count defining the number of rations (ration: a single portion of provisions). |
| 14 |  |
|  | A unit of liquid measure, especially related to spirits. |
| 15 | stick, military |
|  | A unit of count defining the number of military sticks (military stick: bombs or paratroops released in rapid succession from an aircraft). |
| 20 | twenty foot container |
|  | A unit of count defining the number of shipping containers that measure 20 foot in length. |
| 21 | forty foot container |
|  | A unit of count defining the number of shipping containers that measure 40 foot in length. |
| 22 | decilitre per gram |
| 23 | gram per cubic centimetre |
| 24 | theoretical pound |
|  | A unit of mass defining the expected mass of material expressed as the number of pounds. |
| 25 | gram per square centimetre |
| 27 | theoretical ton |
|  | A unit of mass defining the expected mass of material, expressed as the number of tons. |
| 28 | kilogram per square metre |
| 33 | kilopascal square metre per gram |
| 34 | kilopascal per millimetre |
| 35 | millilitre per square centimetre second |
| 37 | ounce per square foot |

## Bestellantwort

## Used Codes

| 38 | ounce per square foot per 0,01inch |
| :---: | :---: |
| 40 | millilitre per second |
| 41 | millilitre per minute |
| 56 | sitas <br> A unit of area for tin plate equal to a surface area of 100 square metres. |
| 57 | mesh <br> A unit of count defining the number of strands per inch as a measure of the fineness of a woven product. |
| 58 | net kilogram <br> A unit of mass defining the total number of kilograms after deductions. |
| 59 | part per million <br> A unit of proportion equal to 10 to the power of -6 . |
| 60 | percent weight <br> A unit of proportion equal to 10 to the power of -2 . |
| 61 | part per billion (US) <br> A unit of proportion equal to 10 to the power of -9 . |
| 64 | pound per square inch, gauge |
| 66 | oersted |
| 74 | millipascal |
| 76 | gauss |
| 77 | milli-inch |
| 78 | kilogauss |
| 80 | pound per square inch absolute |
| 81 | henry |
| 84 | kilopound-force per square inch <br> A unit of pressure defining the number of kilopounds force per square inch. Use kip per square inch (common code N20). |
| 85 | foot pound-force |
| 87 | pound per cubic foot |
| 89 | poise |
| 91 | stokes |
| 1I | fixed rate <br> A unit of quantity expressed as a predetermined or set rate for usage of a facility or service. |
| 2A | radian per second Refer ISO/TC12 SI Guide |

## Bestellantwort

## Used Codes

|  | radian per second squared <br> Refer ISO/TC12 SI Guide |
| :--- | :--- |
| 2 L | roentgen <br> volt AC <br> A unit of electric potential in relation to alternating current (AC). |
| volt DC |  |
| A unit of electric potential in relation to direct current (DC). |  |

## Bestellantwort

## Used Codes

| 4Q | ounce inch |
| :---: | :---: |
| 4R | ounce foot |
| 4 T | picofarad |
| 4 U | pound per hour |
| 4W | ton (US) per hour |
| 4X | kilolitre per hour |
| 5A | barrel (US) per minute |
| 5B | batch <br> A unit of count defining the number of batches (batch: quantity of material produced in one operation or number of animals or persons coming at once). |
| 5E | MMSCF/day <br> A unit of volume equal to one million (1000000) cubic feet of gas per day. |
| $5]$ | hydraulic horse power <br> A unit of power defining the hydraulic horse power delivered by a fluid pump depending on the viscosity of the fluid. |
| A1 | $15^{\circ} \mathrm{C}$ calorie |
| A10 | ampere square metre per joule second |
| A11 | angstrom |
| A12 | astronomical unit |
| A13 | attojoule |
| A14 | barn |
| A15 | barn per electronvolt |
| A16 | barn per steradian electronvolt |
| A17 | barn per steradian |
| A18 | becquerel per kilogram |
| A19 | becquerel per cubic metre |
| A2 | ampere per centimetre |
| A20 | British thermal unit (international table) per second square foot degree Rankine |
| A21 | British thermal unit (international table) per pound degree Rankine |
| A22 | British thermal unit (international table) per second foot degree Rankine |
| A23 | British thermal unit (international table) per hour square foot degree Rankine |
| A24 | candela per square metre |
| A25 | cheval vapeur <br> Synonym: metric horse power |

## Bestellantwort

Used Codes

| A26 | coulomb metre |
| :---: | :---: |
| A27 | coulomb metre squared per volt |
| A28 | coulomb per cubic centimetre |
| A29 | coulomb per cubic metre |
| A3 | ampere per millimetre |
| A30 | coulomb per cubic millimetre |
| A31 | coulomb per kilogram second |
| A32 | coulomb per mole |
| A33 | coulomb per square centimetre |
| A34 | coulomb per square metre |
| A35 | coulomb per square millimetre |
| A36 | cubic centimetre per mole |
| A37 | cubic decimetre per mole |
| A38 | cubic metre per coulomb |
| A39 | cubic metre per kilogram |
| A4 | ampere per square centimetre |
| A40 | cubic metre per mole |
| A41 | ampere per square metre |
| A42 | curie per kilogram |
| A43 | deadweight tonnage <br> A unit of mass defining the difference between the weight of a ship when completely empty and its weight when completely loaded, expressed as the number of tons. |
| A44 | decalitre |
| A45 | decametre |
| A47 | decitex <br> A unit of yarn density. One decitex equals a mass of 1 gram per 10 kilometres of length. |
| A48 | degree Rankine <br> Refer ISO 80000-5 (Quantities and units - Part 5: Thermodynamics) |
| A49 | denier <br> A unit of yarn density. One denier equals a mass of 1 gram per 9 kilometres of length. |
| A5 | ampere square metre |
| A50 | dyne second per cubic centimetre |

## Bestellantwort

## Used Codes

| A51 | dyne second per centimetre |
| :---: | :---: |
| A52 | dyne second per centimetre to the fifth power |
| A53 | electronvolt |
| A54 | electronvolt per metre |
| A55 | electronvolt square metre |
| A56 | electronvolt square metre per kilogram |
| A57 | erg |
| A58 | erg per centimetre |
| A59 | 8 -part cloud cover <br> A unit of count defining the number of eighth-parts as a measure of the celestial dome cloud coverage. <br> Synonym: OKTA, OCTA |
| A6 | ampere per square metre kelvin squared |
| A60 | erg per cubic centimetre |
| A61 | erg per gram |
| A62 | erg per gram second |
| A63 | erg per second |
| A64 | erg per second square centimetre |
| A65 | erg per square centimetre second |
| A66 | erg square centimetre |
| A67 | erg square centimetre per gram |
| A68 | exajoule |
| A69 | farad per metre |
| A7 | ampere per square millimetre |
| A70 | femtojoule |
| A71 | femtometre |
| A73 | foot per second squared |
| A74 | foot pound-force per second |
| A75 | freight ton <br> A unit of information typically used for billing purposes, defined as either the number of metric tons or the number of cubic metres, whichever is the larger. |
| A76 | gal |
| A 77 | Gaussian CGS (Centimetre-Gram-Second system) unit of displacement |
| A78 | Gaussian CGS (Centimetre-Gram-Second system) unit of electric current |
| A79 | Gaussian CGS (Centimetre-Gram-Second system) unit of electric charge |

## Bestellantwort

## Used Codes

| A8 | ampere second |
| :---: | :---: |
| A80 | Gaussian CGS (Centimetre-Gram-Second system) unit of electric field strength |
| A81 | Gaussian CGS (Centimetre-Gram-Second system) unit of electric polarization |
| A82 | Gaussian CGS (Centimetre-Gram-Second system) unit of electric potential |
| A83 | Gaussian CGS (Centimetre-Gram-Second system) unit of magnetization |
| A84 | gigacoulomb per cubic metre |
| A85 | gigaelectronvolt |
| A86 | gigahertz |
| A87 | gigaohm |
| A88 | gigaohm metre |
| A89 | gigapascal |
| A9 | rate <br> A unit of quantity expressed as a rate for usage of a facility or service. |
| A90 | gigawatt |
| A91 | gon <br> Synonym: grade |
| A93 | gram per cubic metre |
| A94 | gram per mole |
| A95 | gray |
| A96 | gray per second |
| A97 | hectopascal |
| A98 | henry per metre |
| A99 | bit <br> A unit of information equal to one binary digit. |
| AA | ball <br> A unit of count defining the number of balls (ball: object formed in the shape of sphere). |
| AB | bulk pack <br> A unit of count defining the number of items per bulk pack. |
| ACR | acre |
| ACT | activity <br> A unit of count defining the number of activities (activity: a unit of work or action). |
| AD | byte <br> A unit of information equal to 8 bits. |

## Bestellantwort

## Used Codes

| AE | ampere per metre |
| :---: | :---: |
| AH | additional minute <br> A unit of time defining the number of minutes in addition to the referenced minutes. |
| AI | average minute per call <br> A unit of count defining the number of minutes for the average interval of a call. |
| AK | fathom |
| AL | access line <br> A unit of count defining the number of telephone access lines. |
| AMH | ampere hour <br> A unit of electric charge defining the amount of charge accumulated by a steady flow of one ampere for one hour. |
| AMP | ampere |
| ANN | year <br> Unit of time equal to 365,25 days. <br> Synonym: Julian year |
| APZ | troy ounce or apothecary ounce |
| AQ | anti-hemophilic factor (AHF) unit A unit of measure for blood potency (US). |
| ARE | are <br> Synonym: square decametre |
| AS | assortment <br> A unit of count defining the number of assortments (assortment: set of items grouped in a mixed collection). |
| ASM | alcoholic strength by mass <br> A unit of mass defining the alcoholic strength of a liquid. |
| ASU | alcoholic strength by volume <br> A unit of volume defining the alcoholic strength of a liquid (e.g. spirit, wine, beer, etc), often at a specific temperature. |
| ATM | standard atmosphere |
| ATT | technical atmosphere |
| AWG | american wire gauge <br> A unit of distance used for measuring the diameter of small tubes or wires such as the outer diameter of hypotermic or suture needles. |
| AY | assembly <br> A unit of count defining the number of assemblies (assembly: items that consist of component parts). |
| AZ | British thermal unit (international table) per pound |

## Bestellantwort

## Used Codes

| B1 | barrel (US) per day |
| :---: | :---: |
| B10 | bit per second <br> A unit of information equal to one binary digit per second. |
| B11 | joule per kilogram kelvin |
| B12 | joule per metre |
| B13 | joule per square metre <br> Synonym: joule per metre squared |
| B14 | joule per metre to the fourth power |
| B15 | joule per mole |
| B16 | joule per mole kelvin |
| B17 | credit <br> A unit of count defining the number of entries made to the credit side of an account. |
| B18 | joule second |
| B19 | digit <br> A unit of information defining the quantity of numerals used to form a number. |
| B20 | joule square metre per kilogram |
| B21 | kelvin per watt |
| B22 | kiloampere |
| B23 | kiloampere per square metre |
| B24 | kiloampere per metre |
| B25 | kilobecquerel per kilogram |
| B26 | kilocoulomb |
| B27 | kilocoulomb per cubic metre |
| B28 | kilocoulomb per square metre |
| B29 | kiloelectronvolt |
| B3 | batting pound <br> A unit of mass defining the number of pounds of wadded fibre. |
| B30 | gibibit <br> A unit of information equal to $2^{3}$ ? bits (binary digits). |
| B31 | kilogram metre per second |
| B32 | kilogram metre squared |
| B33 | kilogram metre squared per second |
| B34 | kilogram per cubic decimetre |
| B35 | kilogram per litre |

## Bestellantwort

## Used Codes

| B36 | calorie (thermochemical) per gram |
| :---: | :---: |
| B37 | kilogram-force |
| B38 | kilogram-force metre |
| B39 | kilogram-force metre per second |
| B4 | barrel, imperial <br> A unit of volume used to measure beer. One beer barrel equals 36 imperial gallons. |
| B40 | kilogram-force per square metre |
| B41 | kilojoule per kelvin |
| B42 | kilojoule per kilogram |
| B43 | kilojoule per kilogram kelvin |
| B44 | kilojoule per mole |
| B45 | kilomole |
| B46 | kilomole per cubic metre |
| B47 | kilonewton |
| B48 | kilonewton metre |
| B49 | kiloohm |
| B50 | kiloohm metre |
| B51 | kilopond <br> Synonym: kilogram-force |
| B52 | kilosecond |
| B53 | kilosiemens |
| B54 | kilosiemens per metre |
| B55 | kilovolt per metre |
| B56 | kiloweber per metre |
| B57 | light year <br> A unit of length defining the distance that light travels in a vacuum in one year. |
| B58 | litre per mole |
| B59 | lumen hour |
| B60 | lumen per square metre |
| B61 | lumen per watt |
| B62 | lumen second |
| B63 | lux hour |
| B64 | lux second |

## Bestellantwort

Used Codes

| B65 | maxwell |
| :---: | :---: |
| B66 | megaampere per square metre |
| B67 | megabecquerel per kilogram |
| B68 | gigabit <br> A unit of information equal to 10 to the power of 9 bits (binary digits). |
| B69 | megacoulomb per cubic metre |
| B7 | cycle <br> A unit of count defining the number of cycles (cycle: a recurrent period of definite duration). |
| B70 | megacoulomb per square metre |
| B71 | megaelectronvolt |
| B72 | megagram per cubic metre |
| B73 | meganewton |
| B74 | meganewton metre |
| B75 | megaohm |
| B76 | megaohm metre |
| B77 | megasiemens per metre |
| B78 | megavolt |
| B79 | megavolt per metre |
| B8 | joule per cubic metre |
| B80 | gigabit per second <br> A unit of information equal to 10 to the power of 9 bits (binary digits) per second. |
| B81 | reciprocal metre squared reciprocal second |
| B82 | inch per linear foot <br> A unit of length defining the number of inches per linear foot. |
| B83 | metre to the fourth power |
| B84 | microampere |
| B85 | microbar |
| B86 | microcoulomb |
| B87 | microcoulomb per cubic metre |
| B88 | microcoulomb per square metre |
| B89 | microfarad per metre |
| B90 | microhenry |
| B91 | microhenry per metre |

## Bestellantwort

Used Codes

| B92 | micronewton |
| :---: | :---: |
| B93 | micronewton metre |
| B94 | microohm |
| B95 | microohm metre |
| B96 | micropascal |
| B97 | microradian |
| B98 | microsecond |
| B99 | microsiemens |
| BAR | bar [unit of pressure] |
| BB | base box <br> A unit of area of 112 sheets of tin mil products (tin plate, tin free steel or black plate) 14 by 20 inches, or 31,360 square inches. |
| BFT | board foot <br> A unit of volume defining the number of cords (cord: a stack of firewood of 128 cubic feet). |
| BHP | brake horse power |
| BIL | billion (EUR) <br> Synonym: trillion (US) |
| BLD | dry barrel (US) |
| BLL | barrel (US) |
| BP | hundred board foot <br> A unit of volume equal to one hundred board foot. |
| BPM | beats per minute The number of beats per minute. |
| BQL | becquerel |
| BTU | British thermal unit (international table) |
| BUA | bushel (US) |
| BUI | bushel (UK) |
| C0 | call <br> A unit of count defining the number of calls (call: communication session or visitation). |
| C10 | millifarad |
| C11 | milligal |
| C12 | milligram per metre |
| C13 | milligray |

## Bestellantwort

## Used Codes

| C14 | millihenry |
| :---: | :---: |
| C15 | millijoule |
| C16 | millimetre per second |
| C17 | millimetre squared per second |
| C18 | millimole |
| C19 | mole per kilogram |
| C20 | millinewton |
| C21 | kibibit <br> A unit of information equal to 2 to the power of 10 (1024) bits (binary digits). |
| C22 | millinewton per metre |
| C23 | milliohm metre |
| C24 | millipascal second |
| C25 | milliradian |
| C26 | millisecond |
| C27 | millisiemens |
| C28 | millisievert |
| C29 | millitesla |
| C3 | microvolt per metre |
| C30 | millivolt per metre |
| C31 | milliwatt |
| C32 | milliwatt per square metre |
| C33 | milliweber |
| C34 | mole |
| C35 | mole per cubic decimetre |
| C36 | mole per cubic metre |
| C37 | kilobit <br> A unit of information equal to 10 to the power of 3 (1000) bits (binary digits). |
| C38 | mole per litre |
| C39 | nanoampere |
| C40 | nanocoulomb |
| C41 | nanofarad |
| C42 | nanofarad per metre |
| C43 | nanohenry |
| C44 | nanohenry per metre |

## Bestellantwort

Used Codes

| C45 | nanometre |
| :---: | :---: |
| C46 | nanoohm metre |
| C47 | nanosecond |
| C48 | nanotesla |
| C49 | nanowatt |
| C50 | neper |
| C51 | neper per second |
| C52 | picometre |
| C53 | newton metre second |
| C54 | newton metre squared per kilogram squared |
| C55 | newton per square metre |
| C56 | newton per square millimetre |
| C57 | newton second |
| C58 | newton second per metre |
| C59 | octave <br> A unit used in music to describe the ratio in frequency between notes. |
| C60 | ohm centimetre |
| C61 | ohm metre |
| C62 | one <br> Synonym: unit |
| C63 | parsec |
| C64 | pascal per kelvin |
| C65 | pascal second |
| C66 | pascal second per cubic metre |
| C67 | pascal second per metre |
| C68 | petajoule |
| C69 | phon <br> A unit of subjective sound loudness. A sound has loudness p phons if it seems to the listener to be equal in loudness to the sound of a pure tone of frequency <br> 1 kilohertz and strength $p$ decibels. |
| C7 | centipoise |
| C70 | picoampere |
| C71 | picocoulomb |
| C72 | picofarad per metre |
| C73 | picohenry |

## Bestellantwort

Used Codes

| C74 | kilobit per second <br> A unit of information equal to 10 to the power of 3 (1000) bits (binary digits) per second. |
| :---: | :---: |
| C75 | picowatt |
| C76 | picowatt per square metre |
| C78 | pound-force |
| C79 | kilovolt ampere hour <br> A unit of accumulated energy of 1000 volt amperes over a period of one hour. |
| C8 | millicoulomb per kilogram |
| C80 | rad |
| C81 | radian |
| C82 | radian square metre per mole |
| C83 | radian square metre per kilogram |
| C84 | radian per metre |
| C85 | reciprocal angstrom |
| C86 | reciprocal cubic metre |
| C87 | reciprocal cubic metre per second <br> Synonym: reciprocal second per cubic metre |
| C88 | reciprocal electron volt per cubic metre |
| C89 | reciprocal henry |
| C9 | coil group <br> A unit of count defining the number of coil groups (coil group: groups of items arranged by lengths of those items placed in a joined sequence of concentric circles). |
| C90 | reciprocal joule per cubic metre |
| C91 | reciprocal kelvin or kelvin to the power minus one |
| C92 | reciprocal metre |
| C93 | reciprocal square metre <br> Synonym: reciprocal metre squared |
| C94 | reciprocal minute |
| C95 | reciprocal mole |
| C96 | reciprocal pascal or pascal to the power minus one |
| C97 | reciprocal second |
| C99 | reciprocal second per metre squared |

## Bestellantwort

Used Codes
Carrying capacity in metric ton
A unit of mass defining the carrying capacity, expressed as the number of

metric tons. $\quad$| candela |
| :--- |
| degree Celsius |
| Refer ISO 80000-5 (Quantities and units - Part 5: Thermodynamics) |
| CDL |
| hundred |
| A unit of count defining the number of units in multiples of 100. |

## Bestellantwort

Used Codes

| D04 | lot [unit of weight] <br> A unit of weight equal to about $1 / 2$ ounce or 15 grams. |
| :---: | :---: |
| D1 | reciprocal second per steradian |
| D10 | siemens per metre |
| D11 | mebibit <br> A unit of information equal to 2 to the power of 20 (1048576) bits (binary digits). |
| D12 | siemens square metre per mole |
| D13 | sievert |
| D15 | sone <br> A unit of subjective sound loudness. One sone is the loudness of a pure tone of frequency one kilohertz and strength 40 decibels. |
| D16 | square centimetre per erg |
| D17 | square centimetre per steradian erg |
| D18 | metre kelvin |
| D19 | square metre kelvin per watt |
| D2 | reciprocal second per steradian metre squared |
| D20 | square metre per joule |
| D21 | square metre per kilogram |
| D22 | square metre per mole |
| D23 | pen gram (protein) <br> A unit of count defining the number of grams of amino acid prescribed for parenteral/enteral therapy. |
| D24 | square metre per steradian |
| D25 | square metre per steradian joule |
| D26 | square metre per volt second |
| D27 | steradian |
| D29 | terahertz |
| D30 | terajoule |
| D31 | terawatt |
| D32 | terawatt hour |
| D33 | tesla |
| D34 | tex <br> A unit of yarn density. One decitex equals a mass of 1 gram per 1 kilometre of length. |
| D35 | calorie (thermochemical) |

## Bestellantwort

Used Codes

| D36 | megabit |
| :---: | :---: |
|  | A unit of information equal to 10 to the power of 6 (1000000) bits (binary digits). |
| D37 | calorie (thermochemical) per gram kelvin |
| D38 | calorie (thermochemical) per second centimetre kelvin |
| D39 | calorie (thermochemical) per second square centimetre kelvin |
| D41 | tonne per cubic metre |
| D42 | tropical year |
| D43 | unified atomic mass unit |
| D44 | var |
|  | The name of the unit is an acronym for volt-ampere-reactive. |
| D45 | volt squared per kelvin squared |
| D46 | volt - ampere |
| D47 | volt per centimetre |
| D48 | volt per kelvin |
| D49 | millivolt per kelvin |
| D5 | kilogram per square centimetre |
| D50 | volt per metre |
| D51 | volt per millimetre |
| D52 | watt per kelvin |
| D53 | watt per metre kelvin |
| D54 | watt per square metre |
| D55 | watt per square metre kelvin |
| D56 | watt per square metre kelvin to the fourth power |
| D57 | watt per steradian |
| D58 | watt per steradian square metre |
| D59 | weber per metre |
| D6 | roentgen per second |
| D60 | weber per millimetre |
| D61 | minute [unit of angle] |
| D62 | second [unit of angle] |
| D63 | book |
|  | A unit of count defining the number of books (book: set of items bound together or written document of a material whole). |

## Bestellantwort

Used Codes

| D65 | round <br> A unit of count defining the number of rounds (round: A circular or cylindrical object). |
| :---: | :---: |
| D68 | number of words <br> A unit of count defining the number of words. |
| D69 | inch to the fourth power |
| D70 | calorie (international table) |
| D71 | calorie (international table) per second centimetre kelvin |
| D72 | calorie (international table) per second square centimetre kelvin |
| D73 | joule square metre |
| D74 | kilogram per mole |
| D75 | calorie (international table) per gram |
| D76 | calorie (international table) per gram kelvin |
| D77 | megacoulomb |
| D78 | megajoule per second <br> A unit of accumulated energy equal to one million joules per second. |
| D80 | microwatt |
| D81 | microtesla |
| D82 | microvolt |
| D83 | millinewton metre |
| D85 | microwatt per square metre |
| D86 | millicoulomb |
| D87 | millimole per kilogram |
| D88 | millicoulomb per cubic metre |
| D89 | millicoulomb per square metre |
| D9 | dyne per square centimetre |
| D91 | rem |
| D93 | second per cubic metre |
| D94 | second per cubic metre radian |
| D95 | joule per gram |
| DAA | decare |
| DAD | ten day <br> A unit of time defining the number of days in multiples of 10 . |
| DAY | day |

## Bestellantwort

Used Codes
dry pound
A unit of mass defining the number of pounds of a product, disregarding the

water content of the product. $\quad$| Decibel-milliwatts |
| :--- |
| dBm (sometimes dBmW or decibel-milliwatts) is unit of level used to indicate |
| that a power ratio is expressed in decibels (dB) with reference to one milliwatt |
| (mW). |

## Bestellantwort

## Used Codes

| DRL | dozen roll <br> A unit of count defining the number of rolls, expressed in twelve roll units. |
| :---: | :---: |
| DT | dry ton <br> A unit of mass defining the number of tons of a product, disregarding the water content of the product. |
| DTN | decitonne <br> Synonym: centner, metric 100 kg, quintal, metric 100 kg |
| DU | dyne |
| DWT | pennyweight |
| DX | dyne per centimetre |
| DZN | dozen <br> A unit of count defining the number of units in multiples of 12 . |
| DZP | dozen pack <br> A unit of count defining the number of packs in multiples of 12 (pack: standard packaging unit). |
| E01 | newton per square centimetre <br> A measure of pressure expressed in newtons per square centimetre. |
| E07 | megawatt hour per hour <br> A unit of accumulated energy of a million watts over a period of one hour. |
| E08 | megawatt per hertz <br> A unit of energy expressed as the load change in million watts that will cause a frequency shift of one hertz. |
| E09 | milliampere hour <br> A unit of power load delivered at the rate of one thousandth of an ampere over a period of one hour. |
| E10 | degree day <br> A unit of measure used in meteorology and engineering to measure the demand for heating or cooling over a given period of days. |
| E11 | gigacalorie <br> A unit of heat energy equal to one thousand million calories. |
| E12 | mille <br> A unit of count defining the number of cigarettes in units of 1000 . |
| E14 | kilocalorie (international table) <br> A unit of heat energy equal to one thousand calories. |
| E15 | kilocalorie (thermochemical) per hour A unit of energy equal to one thousand calories per hour. |
| E16 | million Btu(IT) per hour <br> A unit of power equal to one million British thermal units per hour. |

## Bestellantwort

## Used Codes

| E17 | cubic foot per second <br> A unit of volume equal to one cubic foot passing a given point in a period of one second. |
| :---: | :---: |
| E18 | tonne per hour A unit of weight or mass equal to one tonne per hour. |
| E19 | ping <br> A unit of area equal to 3.3 square metres. |
| E20 | megabit per second <br> A unit of information equal to 10 to the power of 6 (1000000) bits (binary digits) per second. |
| E21 | shares <br> A unit of count defining the number of shares (share: a total or portion of the parts into which a business entity's capital is divided). |
| E22 | TEU <br> A unit of count defining the number of twenty-foot equivalent units (TEUs) as a measure of containerized cargo capacity. |
| E23 | tyre <br> A unit of count defining the number of tyres (a solid or air-filled covering placed around a wheel rim to form a soft contact with the road, absorb shock and provide traction). |
| E25 | active unit <br> A unit of count defining the number of active units within a substance. |
| E27 | dose <br> A unit of count defining the number of doses (dose: a definite quantity of a medicine or drug). |
| E28 | air dry ton <br> A unit of mass defining the number of tons of a product, disregarding the water content of the product. |
| E30 | strand <br> A unit of count defining the number of strands (strand: long, thin, flexible, single thread, strip of fibre, constituent filament or multiples of the same, twisted together). |
| E31 | square metre per litre <br> A unit of count defining the number of square metres per litre. |
| E32 | litre per hour <br> A unit of count defining the number of litres per hour. |
| E33 | foot per thousand A unit of count defining the number of feet per thousand units. |
| E34 | gigabyte <br> A unit of information equal to 10 to the power of 9 bytes. |

## Bestellantwort

## Used Codes

| E35 | terabyte <br> A unit of information equal to 10 to the power of 12 bytes. |
| :---: | :---: |
| E36 | petabyte <br> A unit of information equal to 10 to the power of 15 bytes. |
| E37 | pixel <br> A unit of count defining the number of pixels (pixel: picture element). |
| E38 | megapixel <br> A unit of count equal to 10 to the power of $6(1000000)$ pixels (picture elements). |
| E39 | dots per inch <br> A unit of information defining the number of dots per linear inch as a measure of the resolution or sharpness of a graphic image. |
| E4 | gross kilogram <br> A unit of mass defining the total number of kilograms before deductions. |
| E40 | part per hundred thousand <br> A unit of proportion equal to 10 to the power of -5 . |
| E41 | kilogram-force per square millimetre <br> A unit of pressure defining the number of kilograms force per square millimetre. |
| E42 | kilogram-force per square centimetre <br> A unit of pressure defining the number of kilograms force per square centimetre. |
| E43 | joule per square centimetre A unit of energy defining the number of joules per square centimetre. |
| E44 | kilogram-force metre per square centimetre <br> A unit of torsion defining the torque kilogram-force metre per square centimetre. |
| E45 | milliohm |
| E46 | kilowatt hour per cubic metre <br> A unit of energy consumption expressed as kilowatt hour per cubic metre. |
| E47 | kilowatt hour per kelvin A unit of energy consumption expressed as kilowatt hour per kelvin. |
| E48 | service unit <br> A unit of count defining the number of service units (service unit: defined period / property / facility / utility of supply). |
| E49 | working day <br> A unit of count defining the number of working days (working day: a day on which work is ordinarily performed). |

## Bestellantwort

## Used Codes

| E50 | accounting unit <br> A unit of count defining the number of accounting units. |
| :---: | :---: |
| E51 | job <br> A unit of count defining the number of jobs. |
| E52 | run foot <br> A unit of count defining the number feet per run. |
| E53 | test <br> A unit of count defining the number of tests. |
| E54 | trip <br> A unit of count defining the number of trips. |
| E55 | use <br> A unit of count defining the number of times an object is used. |
| E56 | well <br> A unit of count defining the number of wells. |
| E57 | zone <br> A unit of count defining the number of zones. |
| E58 | exabit per second <br> A unit of information equal to 10 to the power of 18 bits (binary digits) per second. |
| E59 | exbibyte <br> A unit of information equal to 2 to the power of 60 bytes. |
| E60 | pebibyte <br> A unit of information equal to 2 to the power of 50 bytes. |
| E61 | tebibyte <br> A unit of information equal to 2 to the power of 40 bytes. |
| E62 | gibibyte <br> A unit of information equal to 2 to the power of 30 bytes. |
| E63 | mebibyte <br> A unit of information equal to 2 to the power of 20 bytes. |
| E64 | kibibyte <br> A unit of information equal to 2 to the power of 10 bytes. |
| E65 | exbibit per metre <br> A unit of information equal to 2 to the power of 60 bits (binary digits) per metre. |
| E66 | exbibit per square metre <br> A unit of information equal to 2 to the power of 60 bits (binary digits) per square metre. |

## Bestellantwort

## Used Codes

| E67 | exbibit per cubic metre <br> A unit of information equal to 2 to the power of 60 bits (binary digits) per cubic metre. |
| :---: | :---: |
| E68 | gigabyte per second A unit of information equal to 10 to the power of 9 bytes per second. |
| E69 | gibibit per metre <br> A unit of information equal to 2 to the power of 30 bits (binary digits) per metre. |
| E70 | gibibit per square metre <br> A unit of information equal to 2 to the power of 30 bits (binary digits) per square metre. |
| E71 | gibibit per cubic metre <br> A unit of information equal to 2 to the power of 30 bits (binary digits) per cubic metre. |
| E72 | kibibit per metre <br> A unit of information equal to 2 to the power of 10 bits (binary digits) per metre. |
| E73 | kibibit per square metre <br> A unit of information equal to 2 to the power of 10 bits (binary digits) per square metre. |
| E74 | kibibit per cubic metre <br> A unit of information equal to 2 to the power of 10 bits (binary digits) per cubic metre. |
| E75 | mebibit per metre <br> A unit of information equal to 2 to the power of 20 bits (binary digits) per metre. |
| E76 | mebibit per square metre <br> A unit of information equal to 2 to the power of 20 bits (binary digits) per square metre. |
| E77 | mebibit per cubic metre <br> A unit of information equal to 2 to the power of 20 bits (binary digits) per cubic metre. |
| E78 | petabit <br> A unit of information equal to 10 to the power of 15 bits (binary digits). |
| E79 | petabit per second <br> A unit of information equal to 10 to the power of 15 bits (binary digits) per second. |
| E80 | pebibit per metre <br> A unit of information equal to 2 to the power of 50 bits (binary digits) per metre. |

## Bestellantwort

Used Codes

| E81 | pebibit per square metre <br> A unit of information equal to 2 to the power of 50 bits (binary digits) per square metre. |
| :---: | :---: |
| E82 | pebibit per cubic metre <br> A unit of information equal to 2 to the power of 50 bits (binary digits) per cubic metre. |
| E83 | terabit <br> A unit of information equal to 10 to the power of 12 bits (binary digits). |
| E84 | terabit per second <br> A unit of information equal to 10 to the power of 12 bits (binary digits) per second. |
| E85 | tebibit per metre <br> A unit of information equal to 2 to the power of 40 bits (binary digits) per metre. |
| E86 | tebibit per cubic metre <br> A unit of information equal to 2 to the power of 40 bits (binary digits) per cubic metre. |
| E87 | tebibit per square metre <br> A unit of information equal to 2 to the power of 40 bits (binary digits) per square metre. |
| E88 | bit per metre <br> A unit of information equal to 1 bit (binary digit) per metre. |
| E89 | bit per square metre <br> A unit of information equal to 1 bit (binary digit) per square metre. |
| E90 | reciprocal centimetre |
| E91 | reciprocal day |
| E92 | cubic decimetre per hour |
| E93 | kilogram per hour |
| E94 | kilomole per second |
| E95 | mole per second |
| E96 | degree per second |
| E97 | millimetre per degree Celcius metre |
| E98 | degree Celsius per kelvin |
| E99 | hectopascal per bar |
| EA | each <br> A unit of count defining the number of items regarded as separate units. |
| EB | electronic mail box <br> A unit of count defining the number of electronic mail boxes. |

## Bestellantwort

Used Codes

| EQ | equivalent gallon <br> A unit of volume defining the number of gallons of product produced from concentrate. |
| :---: | :---: |
| F01 | bit per cubic metre <br> A unit of information equal to 1 bit (binary digit) per cubic metre. |
| F02 | kelvin per kelvin |
| F03 | kilopascal per bar |
| F04 | millibar per bar |
| F05 | megapascal per bar |
| F06 | poise per bar |
| F07 | pascal per bar |
| F08 | milliampere per inch |
| F10 | kelvin per hour |
| F11 | kelvin per minute |
| F12 | kelvin per second |
| F13 | slug <br> A unit of mass. One slug is the mass accelerated at 1 foot per second per second by a force of 1 pound. |
| F14 | gram per kelvin |
| F15 | kilogram per kelvin |
| F16 | milligram per kelvin |
| F17 | pound-force per foot |
| F18 | kilogram square centimetre |
| F19 | kilogram square millimetre |
| F20 | pound inch squared |
| F21 | pound-force inch |
| F22 | pound-force foot per ampere |
| F23 | gram per cubic decimetre |
| F24 | kilogram per kilomol |
| F25 | gram per hertz |
| F26 | gram per day |
| F27 | gram per hour |
| F28 | gram per minute |
| F29 | gram per second |
| F30 | kilogram per day |
| (c) C | ermany GmbH UP_V |

## Bestellantwort

## Used Codes

| F31 | kilogram per minute |
| :---: | :---: |
| F32 | milligram per day |
| F33 | milligram per minute |
| F34 | milligram per second |
| F35 | gram per day kelvin |
| F36 | gram per hour kelvin |
| F37 | gram per minute kelvin |
| F38 | gram per second kelvin |
| F39 | kilogram per day kelvin |
| F40 | kilogram per hour kelvin |
| F41 | kilogram per minute kelvin |
| F42 | kilogram per second kelvin |
| F43 | milligram per day kelvin |
| F44 | milligram per hour kelvin |
| F45 | milligram per minute kelvin |
| F46 | milligram per second kelvin |
| F47 | newton per millimetre |
| F48 | pound-force per inch |
| F49 | rod [unit of distance] <br> A unit of distance equal to 5.5 yards ( 16 feet 6 inches). |
| F50 | micrometre per kelvin |
| F51 | centimetre per kelvin |
| F52 | metre per kelvin |
| F53 | millimetre per kelvin |
| F54 | milliohm per metre |
| F55 | ohm per mile (statute mile) |
| F56 | ohm per kilometre |
| F57 | milliampere per pound-force per square inch |
| F58 | reciprocal bar |
| F59 | milliampere per bar |
| F60 | degree Celsius per bar |
| F61 | kelvin per bar |
| F62 | gram per day bar |

## Bestellantwort

Used Codes

| F63 | gram per hour bar |
| :---: | :---: |
| F64 | gram per minute bar |
| F65 | gram per second bar |
| F66 | kilogram per day bar |
| F67 | kilogram per hour bar |
| F68 | kilogram per minute bar |
| F69 | kilogram per second bar |
| F70 | milligram per day bar |
| F71 | milligram per hour bar |
| F72 | milligram per minute bar |
| F73 | milligram per second bar |
| F74 | gram per bar |
| F75 | milligram per bar |
| F76 | milliampere per millimetre |
| F77 | pascal second per kelvin |
| F78 | inch of water |
| F79 | inch of mercury |
| F80 | water horse power <br> A unit of power defining the amount of power required to move a given volume of water against acceleration of gravity to a specified elevation (pressure head). |
| F81 | bar per kelvin |
| F82 | hectopascal per kelvin |
| F83 | kilopascal per kelvin |
| F84 | millibar per kelvin |
| F85 | megapascal per kelvin |
| F86 | poise per kelvin |
| F87 | volt per litre minute |
| F88 | newton centimetre |
| F89 | newton metre per degree |
| F90 | newton metre per ampere |
| F91 | bar litre per second |
| F92 | bar cubic metre per second |
| F93 | hectopascal litre per second |

## Bestellantwort

Used Codes

| F94 | hectopascal cubic metre per second |
| :---: | :---: |
| F95 | millibar litre per second |
| F96 | millibar cubic metre per second |
| F97 | megapascal litre per second |
| F98 | megapascal cubic metre per second |
| F99 | pascal litre per second |
| FAH | degree Fahrenheit <br> Refer ISO 80000-5 (Quantities and units - Part 5: Thermodynamics) |
| FAR | farad |
| FBM | fibre metre <br> A unit of length defining the number of metres of individual fibre. |
| FC | thousand cubic foot <br> A unit of volume equal to one thousand cubic foot. |
| FF | hundred cubic metre <br> A unit of volume equal to one hundred cubic metres. |
| FH | micromole |
| FIT | failures in time <br> A unit of count defining the number of failures that can be expected over a specified time interval. Failure rates of semiconductor components are often specified as FIT (failures in time unit) where 1 FIT $=10$ to the power of $-9 / \mathrm{h}$. |
| FL | flake ton <br> A unit of mass defining the number of tons of a flaked substance (flake: a small flattish fragment). |
| FNU | Formazin nephelometric unit <br> Formazin nephelometric unit (FNU) is used for water turbidity level evaluation |
| FOT | foot |
| FP | pound per square foot |
| FR | foot per minute |
| FS | foot per second |
| FTK | square foot |
| FTQ | cubic foot |
| G01 | pascal cubic metre per second |
| G04 | centimetre per bar |
| G05 | metre per bar |
| G06 | millimetre per bar |
| G08 | square inch per second |

## Bestellantwort

## Used Codes

| G09 | square metre per second kelvin |
| :---: | :---: |
| G10 | stokes per kelvin |
| G11 | gram per cubic centimetre bar |
| G12 | gram per cubic decimetre bar |
| G13 | gram per litre bar |
| G14 | gram per cubic metre bar |
| G15 | gram per millilitre bar |
| G16 | kilogram per cubic centimetre bar |
| G17 | kilogram per litre bar |
| G18 | kilogram per cubic metre bar |
| G19 | newton metre per kilogram |
| G2 | US gallon per minute |
| G20 | pound-force foot per pound |
| G21 | cup [unit of volume] |
| G23 | peck |
| G24 | tablespoon (US) |
| G25 | teaspoon (US) |
| G26 | stere |
| G27 | cubic centimetre per kelvin |
| G28 | litre per kelvin |
| G29 | cubic metre per kelvin |
| G3 | Imperial gallon per minute |
| G30 | millilitre per kelvin |
| G31 | kilogram per cubic centimetre |
| G32 | ounce (avoirdupois) per cubic yard |
| G33 | gram per cubic centimetre kelvin |
| G34 | gram per cubic decimetre kelvin |
| G35 | gram per litre kelvin |
| G36 | gram per cubic metre kelvin |
| G37 | gram per millilitre kelvin |
| G38 | kilogram per cubic centimetre kelvin |
| G39 | kilogram per litre kelvin |
| G40 | kilogram per cubic metre kelvin |

## Bestellantwort

## Used Codes

| G41 | square metre per second bar |
| :---: | :---: |
| G42 | microsiemens per centimetre |
| G43 | microsiemens per metre |
| G44 | nanosiemens per centimetre |
| G45 | nanosiemens per metre |
| G46 | stokes per bar |
| G47 | cubic centimetre per day |
| G48 | cubic centimetre per hour |
| G49 | cubic centimetre per minute |
| G50 | gallon (US) per hour |
| G51 | litre per second |
| G52 | cubic metre per day |
| G53 | cubic metre per minute |
| G54 | millilitre per day |
| G55 | millilitre per hour |
| G56 | cubic inch per hour |
| G57 | cubic inch per minute |
| G58 | cubic inch per second |
| G59 | milliampere per litre minute |
| G60 | volt per bar |
| G61 | cubic centimetre per day kelvin |
| G62 | cubic centimetre per hour kelvin |
| G63 | cubic centimetre per minute kelvin |
| G64 | cubic centimetre per second kelvin |
| G65 | litre per day kelvin |
| G66 | litre per hour kelvin |
| G67 | litre per minute kelvin |
| G68 | litre per second kelvin |
| G69 | cubic metre per day kelvin |
| G70 | cubic metre per hour kelvin |
| G71 | cubic metre per minute kelvin |
| G72 | cubic metre per second kelvin |
| G73 | millilitre per day kelvin |

## Bestellantwort

Used Codes

| G74 | millilitre per hour kelvin |
| :---: | :---: |
| G75 | millilitre per minute kelvin |
| G76 | millilitre per second kelvin |
| G77 | millimetre to the fourth power |
| G78 | cubic centimetre per day bar |
| G79 | cubic centimetre per hour bar |
| G80 | cubic centimetre per minute bar |
| G81 | cubic centimetre per second bar |
| G82 | litre per day bar |
| G83 | litre per hour bar |
| G84 | litre per minute bar |
| G85 | litre per second bar |
| G86 | cubic metre per day bar |
| G87 | cubic metre per hour bar |
| G88 | cubic metre per minute bar |
| G89 | cubic metre per second bar |
| G90 | millilitre per day bar |
| G91 | millilitre per hour bar |
| G92 | millilitre per minute bar |
| G93 | millilitre per second bar |
| G94 | cubic centimetre per bar |
| G95 | litre per bar |
| G96 | cubic metre per bar |
| G97 | millilitre per bar |
| G98 | microhenry per kiloohm |
| G99 | microhenry per ohm |
| GB | gallon (US) per day |
| GBQ | gigabecquerel |
| GDW | gram, dry weight <br> A unit of mass defining the number of grams of a product, disregarding the water content of the product. |
| GE | pound per gallon (US) |
| GF | gram per metre (gram per 100 centimetres) |

## Bestellantwort

Used Codes

| GFI | gram of fissile isotope <br> A unit of mass defining the number of grams of a fissile isotope (fissile isotope: an isotope whose nucleus is able to be split when irradiated with low energy neutrons). |
| :---: | :---: |
| GGR | great gross <br> A unit of count defining the number of units in multiples of 1728 (12 x $12 \times$ 12). |
| GIA | gill (US) |
| GIC | gram, including container <br> A unit of mass defining the number of grams of a product, including its container. |
| GII | gill (UK) |
| GIP | gram, including inner packaging <br> A unit of mass defining the number of grams of a product, including its inner packaging materials. |
| GJ | gram per millilitre |
| GL | gram per litre |
| GLD | dry gallon (US) |
| GLI | gallon (UK) |
| GLL | gallon (US) |
| GM | gram per square metre |
| GO | milligram per square metre |
| GP | milligram per cubic metre |
| GQ | microgram per cubic metre |
| GRM | gram |
| GRN | grain |
| GRO | gross <br> A unit of count defining the number of units in multiples of 144 (12 x 12). |
| GRT | gross register ton <br> A unit of mass equal to the total cubic footage before deductions, where 1 register ton is equal to 100 cubic feet. Refer International Convention on tonnage measurement of ships. |
| GT | gross ton <br> A unit of mass equal to 2240 pounds. Refer International Convention on Tonnage measurement of Ships. <br> Synonym: ton (UK) or long ton (US) (common code LTN) |
| GV | gigajoule |
| GWH | gigawatt hour |

## Bestellantwort

## Used Codes

| H03 | henry per kiloohm |
| :---: | :---: |
| H04 | henry per ohm |
| H05 | millihenry per kiloohm |
| H06 | millihenry per ohm |
| H07 | pascal second per bar |
| H08 | microbecquerel |
| H09 | reciprocal year |
| H10 | reciprocal hour |
| H11 | reciprocal month |
| H12 | degree Celsius per hour |
| H13 | degree Celsius per minute |
| H14 | degree Celsius per second |
| H15 | square centimetre per gram |
| H16 | square decametre <br> Synonym: are |
| H18 | square hectometre Synonym: hectare |
| H19 | cubic hectometre |
| H20 | cubic kilometre |
| H21 | blank <br> A unit of count defining the number of blanks. |
| H22 | volt square inch per pound-force |
| H23 | volt per inch |
| H24 | volt per microsecond |
| H25 | percent per kelvin <br> A unit of proportion, equal to 0.01 , in relation to the SI base unit Kelvin. |
| H26 | ohm per metre |
| H27 | degree per metre |
| H28 | microfarad per kilometre |
| H29 | microgram per litre |
| H30 | square micrometre (square micron) |
| H31 | ampere per kilogram |
| H32 | ampere squared second |
| H33 | farad per kilometre |

## Bestellantwort

Used Codes

| H34 | hertz metre |
| :---: | :---: |
| H35 | kelvin metre per watt |
| H36 | megaohm per kilometre |
| H37 | megaohm per metre |
| H38 | megaampere |
| H39 | megahertz kilometre |
| H40 | newton per ampere |
| H41 | newton metre watt to the power minus 0,5 |
| H42 | pascal per metre |
| H43 | siemens per centimetre |
| H44 | teraohm |
| H45 | volt second per metre |
| H46 | volt per second |
| H47 | watt per cubic metre |
| H48 | attofarad |
| H49 | centimetre per hour |
| H50 | reciprocal cubic centimetre |
| H51 | decibel per kilometre |
| H52 | decibel per metre |
| H53 | kilogram per bar |
| H54 | kilogram per cubic decimetre kelvin |
| H55 | kilogram per cubic decimetre bar |
| H56 | kilogram per square metre second |
| H57 | inch per two pi radiant |
| H58 | metre per volt second |
| H59 | square metre per newton |
| H60 | cubic metre per cubic metre |
| H61 | millisiemens per centimetre |
| H62 | millivolt per minute |
| H63 | milligram per square centimetre |
| H64 | milligram per gram |
| H65 | millilitre per cubic metre |
| H66 | millimetre per year |

## Bestellantwort

Used Codes

| H67 | millimetre per hour |
| :---: | :---: |
| H68 | millimole per gram |
| H69 | picopascal per kilometre |
| H70 | picosecond |
| H71 | percent per month <br> A unit of proportion, equal to 0.01, in relation to a month. |
| H72 | percent per hectobar <br> A unit of proportion, equal to 0.01 , in relation to 100 -fold of the unit bar. |
| H73 | percent per decakelvin <br> A unit of proportion, equal to 0.01 , in relation to 10 -fold of the SI base unit Kelvin. |
| H74 | watt per metre |
| H75 | decapascal |
| H76 | gram per millimetre |
| H77 | module width <br> A unit of measure used to describe the breadth of electronic assemblies as an installation standard or mounting dimension. |
| H78 | conventional centimetre of water |
| H79 | Charrière <br> A unit of distance used for measuring the diameter of small tubes such as urological instruments and catheters. <br> Synonym: French, French gauge, Charrière gauge |
| H80 | rack unit <br> A unit of measure used to describe the height in rack units of equipment intended for mounting in a 19 -inch rack or a 23 -inch rack. One rack unit is 1 . 75 inches ( 44.45 mm ) high. |
| H81 | millimetre per minute |
| H82 | big point <br> A unit of length defining the number of big points (big point: Adobe software(US) defines the big point to be exactly $1 / 72$ inch ( 0.0138889 inch or 0.3527778 millimeters)) |
| H83 | litre per kilogram |
| H84 | gram millimetre |
| H85 | reciprocal week |
| H87 | piece <br> A unit of count defining the number of pieces (piece: a single item, article or exemplar). |
| H88 | megaohm kilometre |

## Bestellantwort

## Used Codes

| H89 | percent per ohm <br> A unit of proportion, equal to 0.01 , in relation to the SI derived unit ohm. |
| :---: | :---: |
| H90 | percent per degree <br> A unit of proportion, equal to 0.01 , in relation to an angle of one degree. |
| H91 | percent per ten thousand <br> A unit of proportion, equal to 0.01 , in relation to multiples of ten thousand. |
| H92 | percent per one hundred thousand <br> A unit of proportion, equal to 0.01 , in relation to multiples of one hundred thousand. |
| H93 | percent per hundred <br> A unit of proportion, equal to 0.01, in relation to multiples of one hundred. |
| H94 | percent per thousand <br> A unit of proportion, equal to 0.01 , in relation to multiples of one thousand. |
| H95 | percent per volt <br> A unit of proportion, equal to 0.01 , in relation to the SI derived unit volt. |
| H96 | percent per bar <br> A unit of proportion, equal to 0.01, in relation to an atmospheric pressure of one bar. |
| H98 | percent per inch <br> A unit of proportion, equal to 0.01 , in relation to an inch. |
| H99 | percent per metre <br> A unit of proportion, equal to 0.01 , in relation to a metre. |
| HA | hank <br> A unit of length, typically for yarn. |
| HAD | Piece Day <br> Unit for measuring the item amount and time as required by DIN 18451 |
| HAR | hectare <br> Synonym: square hectometre |
| HBA | hectobar |
| HBX | hundred boxes <br> A unit of count defining the number of boxes in multiples of one hundred box units. |
| HC | hundred count <br> A unit of count defining the number of units counted in multiples of 100 . |
| HDW | hundred kilogram, dry weight <br> A unit of mass defining the number of hundred kilograms of a product, disregarding the water content of the product. |

## Bestellantwort

Used Codes

| HEA | head <br> A unit of count defining the number of heads (head: a person or animal considered as one of a number). |
| :---: | :---: |
| HGM | hectogram |
| HH | hundred cubic foot <br> A unit of volume equal to one hundred cubic foot. |
| HIU | hundred international unit <br> A unit of count defining the number of international units in multiples of 100 . |
| HJ | metric horse power |
| HKM | hundred kilogram, net mass <br> A unit of mass defining the number of hundred kilograms of a product, after deductions. |
| HLT | hectolitre |
| HM | mile per hour (statute mile) |
| HMO | Piece Month <br> Unit for measuring the item amount and time as required by DIN 18451 |
| HMQ | million cubic metre <br> A unit of volume equal to one million cubic metres. |
| HMT | hectometre |
| HN | conventional millimetre of mercury |
| HP | conventional millimetre of water |
| HPA | hectolitre of pure alcohol A unit of volume equal to one hundred litres of pure alcohol. |
| HTZ | hertz |
| HUR | hour |
| HWE | Piece Week <br> Unit for measuring the item amount and time as required by DIN 18451 |
| IA | inch pound (pound inch) |
| IE | person <br> A unit of count defining the number of persons. |
| INH | inch |
| INK | square inch |
| INQ | cubic inch <br> Synonym: inch cubed |

## Bestellantwort

## Used Codes

| ISD | international sugar degree <br> A unit of measure defining the sugar content of a solution, expressed in <br> degrees. |
| :--- | :--- |
| IU inch per second |  |
| inch per second squared |  |$\quad$| percent per millimetre |
| :--- |
| A unit of proportion, equal to 0.01, in relation to a millimetre. |

## Bestellantwort

## Used Codes

| J28 | degree Rankine per hour |
| :---: | :---: |
| J29 | degree Rankine per minute |
| J30 | degree Rankine per second |
| J31 | degree Twaddell <br> A unit of density for liquids that are heavier than water. 1 degree Twaddle represents a difference in specific gravity of 0.005. |
| J32 | micropoise |
| J33 | microgram per kilogram |
| J34 | microgram per cubic metre kelvin |
| J35 | microgram per cubic metre bar |
| J36 | microlitre per litre |
| $J 38$ | baud <br> A unit of signal transmission speed equal to one signalling event per second. |
| J39 | British thermal unit (mean) |
| J40 | British thermal unit (international table) foot per hour square foot degree Fahrenheit |
| J41 | British thermal unit (international table) inch per hour square foot degree Fahrenheit |
| J42 | British thermal unit (international table) inch per second square foot degree Fahrenheit |
| J43 | British thermal unit (international table) per pound degree Fahrenheit |
| J44 | British thermal unit (international table) per minute |
| J45 | British thermal unit (international table) per second |
| J46 | British thermal unit (thermochemical) foot per hour square foot degree Fahrenheit |
| J47 | British thermal unit (thermochemical) per hour |
| J48 | British thermal unit (thermochemical) inch per hour square foot degree Fahrenheit |
| J49 | British thermal unit (thermochemical) inch per second square foot degree Fahrenheit |
| J50 | British thermal unit (thermochemical) per pound degree Fahrenheit |
| J51 | British thermal unit (thermochemical) per minute |
| J52 | British thermal unit (thermochemical) per second |
| J53 | coulomb square metre per kilogram |
| J54 | megabaud <br> A unit of signal transmission speed equal to 10 to the power of 6 (1000000) signaling events per second. |

## Bestellantwort

## Used Codes

| 355 | watt second |
| :---: | :---: |
| J56 | bar per bar |
| J57 | barrel (UK petroleum) |
| J58 | barrel (UK petroleum) per minute |
| J59 | barrel (UK petroleum) per day |
| J60 | barrel (UK petroleum) per hour |
| J61 | barrel (UK petroleum) per second |
| J62 | barrel (US petroleum) per hour |
| J63 | barrel (US petroleum) per second |
| J64 | bushel (UK) per day |
| J65 | bushel (UK) per hour |
| J66 | bushel (UK) per minute |
| J67 | bushel (UK) per second |
| J68 | bushel (US dry) per day |
| J69 | bushel (US dry) per hour |
| J70 | bushel (US dry) per minute |
| J71 | bushel (US dry) per second |
| J72 | centinewton metre |
| J73 | centipoise per kelvin |
| J74 | centipoise per bar |
| J75 | calorie (mean) |
| J76 | calorie (international table) per gram degree Celsius |
| J78 | calorie (thermochemical) per centimetre second degree Celsius |
| J79 | calorie (thermochemical) per gram degree Celsius |
| J81 | calorie (thermochemical) per minute |
| 382 | calorie (thermochemical) per second |
| 183 | clo |
| J84 | centimetre per second kelvin |
| J85 | centimetre per second bar |
| J87 | cubic centimetre per cubic metre |
| 389 | centimetre of mercury |
| J90 | cubic decimetre per day |
| J91 | cubic decimetre per cubic metre |

## Bestellantwort

## Used Codes

| 192 | cubic decimetre per minute |
| :---: | :---: |
| J93 | cubic decimetre per second |
| J94 | dyne centimetre |
| J95 | ounce (UK fluid) per day |
| J96 | ounce (UK fluid) per hour |
| J97 | ounce (UK fluid) per minute |
| J98 | ounce (UK fluid) per second |
| J99 | ounce (US fluid) per day |
| JE | joule per kelvin |
| JK | megajoule per kilogram |
| JM | megajoule per cubic metre |
| JNT | pipeline joint <br> A count of the number of pipeline joints. |
| Jou | joule |
| JPS | hundred metre <br> A unit of count defining the number of 100 metre lengths. |
| JWL | number of jewels <br> A unit of count defining the number of jewels (jewel: precious stone). |
| K1 | kilowatt demand <br> A unit of measure defining the power load measured at predetermined intervals. |
| K10 | ounce (US fluid) per hour |
| K11 | ounce (US fluid) per minute |
| K12 | ounce (US fluid) per second |
| K13 | foot per degree Fahrenheit |
| K14 | foot per hour |
| K15 | foot pound-force per hour |
| K16 | foot pound-force per minute |
| K17 | foot per psi |
| K18 | foot per second degree Fahrenheit |
| K19 | foot per second psi |
| K2 | kilovolt ampere reactive demand <br> A unit of measure defining the reactive power demand equal to one kilovolt ampere of reactive power. |
| K20 | reciprocal cubic foot |

## Bestellantwort

## Used Codes

| K21 | cubic foot per degree Fahrenheit |
| :---: | :---: |
| K22 | cubic foot per day |
| K23 | cubic foot per psi |
| K24 | foot of water |
| K25 | foot of mercury |
| K26 | gallon (UK) per day |
| K27 | gallon (UK) per hour |
| K28 | gallon (UK) per second |
| K3 | kilovolt ampere reactive hour <br> A unit of measure defining the accumulated reactive energy equal to one kilovolt ampere of reactive power per hour. |
| K30 | gallon (US liquid) per second |
| K31 | gram-force per square centimetre |
| K32 | gill (UK) per day |
| K33 | gill (UK) per hour |
| K34 | gill (UK) per minute |
| K35 | gill (UK) per second |
| K36 | gill (US) per day |
| K37 | gill (US) per hour |
| K38 | gill (US) per minute |
| K39 | gill (US) per second |
| K40 | standard acceleration of free fall |
| K41 | grain per gallon (US) |
| K42 | horsepower (boiler) |
| K43 | horsepower (electric) |
| K45 | inch per degree Fahrenheit |
| K46 | inch per psi |
| K47 | inch per second degree Fahrenheit |
| K48 | inch per second psi |
| K49 | reciprocal cubic inch |
| K5 | kilovolt ampere (reactive) <br> Use kilovar (common code KVR) |
| K50 | kilobaud <br> A unit of signal transmission speed equal to 10 to the power of 3 (1000) signaling events per second. |

## Bestellantwort

Used Codes

| K51 | kilocalorie (mean) |
| :---: | :---: |
| K52 | kilocalorie (international table) per hour metre degree Celsius |
| K53 | kilocalorie (thermochemical) |
| K54 | kilocalorie (thermochemical) per minute |
| K55 | kilocalorie (thermochemical) per second |
| K58 | kilomole per hour |
| K59 | kilomole per cubic metre kelvin |
| K6 | kilolitre |
| K60 | kilomole per cubic metre bar |
| K61 | kilomole per minute |
| K62 | litre per litre |
| K63 | reciprocal litre |
| K64 | pound (avoirdupois) per degree Fahrenheit |
| K65 | pound (avoirdupois) square foot |
| K66 | pound (avoirdupois) per day |
| K67 | pound per foot hour |
| K68 | pound per foot second |
| K69 | pound (avoirdupois) per cubic foot degree Fahrenheit |
| K70 | pound (avoirdupois) per cubic foot psi |
| K71 | pound (avoirdupois) per gallon (UK) |
| K73 | pound (avoirdupois) per hour degree Fahrenheit |
| K74 | pound (avoirdupois) per hour psi |
| K75 | pound (avoirdupois) per cubic inch degree Fahrenheit |
| K76 | pound (avoirdupois) per cubic inch psi |
| K77 | pound (avoirdupois) per psi |
| K78 | pound (avoirdupois) per minute |
| K79 | pound (avoirdupois) per minute degree Fahrenheit |
| K80 | pound (avoirdupois) per minute psi |
| K81 | pound (avoirdupois) per second |
| K82 | pound (avoirdupois) per second degree Fahrenheit |
| K83 | pound (avoirdupois) per second psi |
| K84 | pound per cubic yard |
| K85 | pound-force per square foot |

## Bestellantwort

Used Codes

| K86 | pound-force per square inch degree Fahrenheit |
| :---: | :---: |
| K87 | psi cubic inch per second |
| K88 | psi litre per second |
| K89 | psi cubic metre per second |
| K90 | psi cubic yard per second |
| K91 | pound-force second per square foot |
| K92 | pound-force second per square inch |
| K93 | reciprocal psi |
| K94 | quart (UK liquid) per day |
| K95 | quart (UK liquid) per hour |
| K96 | quart (UK liquid) per minute |
| K97 | quart (UK liquid) per second |
| K98 | quart (US liquid) per day |
| K99 | quart (US liquid) per hour |
| KA | cake <br> A unit of count defining the number of cakes (cake: object shaped into a flat, compact mass). |
| KAT | katal <br> A unit of catalytic activity defining the catalytic activity of enzymes and other catalysts. |
| KB | kilocharacter <br> A unit of information equal to 10 to the power of 3 (1000) characters. |
| KBA | kilobar |
| KCC | kilogram of choline chloride <br> A unit of mass equal to one thousand grams of choline chloride. |
| KDW | kilogram drained net weight <br> A unit of mass defining the net number of kilograms of a product, disregarding the liquid content of the product. |
| KEL | kelvin <br> Refer ISO 80000-5 (Quantities and units - Part 5: Thermodynamics) |
| KGM | kilogram <br> A unit of mass equal to one thousand grams. |
| KGS | kilogram per second |
| KHY | kilogram of hydrogen peroxide <br> A unit of mass equal to one thousand grams of hydrogen peroxide. |
| KHZ | kilohertz |

## Bestellantwort

## Used Codes

| KI | kilogram per millimetre width |
| :---: | :---: |
| KIC | kilogram, including container <br> A unit of mass defining the number of kilograms of a product, including its container. |
| KIP | kilogram, including inner packaging <br> A unit of mass defining the number of kilograms of a product, including its inner packaging materials. |
| KJ | kilosegment <br> A unit of information equal to 10 to the power of 3 (1000) segments. |
| KJO | kilojoule |
| KL | kilogram per metre |
| KLK | lactic dry material percentage <br> A unit of proportion defining the percentage of dry lactic material in a product. |
| KLX | kilolux <br> A unit of illuminance equal to one thousand lux. |
| KMA | kilogram of methylamine <br> A unit of mass equal to one thousand grams of methylamine. |
| KMH | kilometre per hour |
| KMK | square kilometre |
| KMQ | kilogram per cubic metre <br> A unit of weight expressed in kilograms of a substance that fills a volume of one cubic metre. |
| KMT | kilometre |
| KNI | kilogram of nitrogen <br> A unit of mass equal to one thousand grams of nitrogen. |
| KNM | kilonewton per square metre Pressure expressed in kN/m2. |
| KNS | kilogram named substance <br> A unit of mass equal to one kilogram of a named substance. |
| KNT | knot |
| KO | milliequivalence caustic potash per gram of product <br> A unit of count defining the number of milligrams of potassium hydroxide per gram of product as a measure of the concentration of potassium hydroxide in the product. |
| KPA | kilopascal |
| KPH | kilogram of potassium hydroxide (caustic potash) <br> A unit of mass equal to one thousand grams of potassium hydroxide (caustic potash). |

## Bestellantwort

Used Codes

| KPO | kilogram of potassium oxide <br> A unit of mass equal to one thousand grams of potassium oxide. |
| :---: | :---: |
| KPP | kilogram of phosphorus pentoxide (phosphoric anhydride) A unit of mass equal to one thousand grams of phosphorus pentoxide phosphoric anhydride. |
| KR | kiloroentgen |
| KSD | kilogram of substance $90 \%$ dry <br> A unit of mass equal to one thousand grams of a named substance that is $90 \%$ dry. |
| KSH | kilogram of sodium hydroxide (caustic soda) <br> A unit of mass equal to one thousand grams of sodium hydroxide (caustic soda). |
| KT | kit <br> A unit of count defining the number of kits (kit: tub, barrel or pail). |
| KTN | kilotonne |
| KUR | kilogram of uranium <br> A unit of mass equal to one thousand grams of uranium. |
| KVA | kilovolt - ampere |
| KVR | kilovar |
| KVT | kilovolt |
| KW | kilogram per millimetre |
| KWH | kilowatt hour |
| KWN | Kilowatt hour per normalized cubic metre <br> Kilowatt hour per normalized cubic metre (temperature $0^{\circ} \mathrm{C}$ and pressure 1013.25 millibars ). |
| KWO | kilogram of tungsten trioxide <br> A unit of mass equal to one thousand grams of tungsten trioxide. |
| KWS | Kilowatt hour per standard cubic metre Kilowatt hour per standard cubic metre (temperature $15^{\circ} \mathrm{C}$ and pressure 1013.25 millibars). |
| KWT | kilowatt |
| KWY | kilowatt year killowatt year |
| KX | millilitre per kilogram |
| L10 | quart (US liquid) per minute |
| L11 | quart (US liquid) per second |
| L12 | metre per second kelvin |

## Bestellantwort

## Used Codes

| L13 | metre per second bar |
| :---: | :---: |
| L14 | square metre hour degree Celsius per kilocalorie (international table) |
| L15 | millipascal second per kelvin |
| L16 | millipascal second per bar |
| L17 | milligram per cubic metre kelvin |
| L18 | milligram per cubic metre bar |
| L19 | millilitre per litre |
| L2 | litre per minute |
| L20 | reciprocal cubic millimetre |
| L21 | cubic millimetre per cubic metre |
| L23 | mole per hour |
| L24 | mole per kilogram kelvin |
| L25 | mole per kilogram bar |
| L26 | mole per litre kelvin |
| L27 | mole per litre bar |
| L28 | mole per cubic metre kelvin |
| L29 | mole per cubic metre bar |
| L30 | mole per minute |
| L31 | milliroentgen aequivalent men |
| L32 | nanogram per kilogram |
| L33 | ounce (avoirdupois) per day |
| L34 | ounce (avoirdupois) per hour |
| L35 | ounce (avoirdupois) per minute |
| L36 | ounce (avoirdupois) per second |
| L37 | ounce (avoirdupois) per gallon (UK) |
| L38 | ounce (avoirdupois) per gallon (US) |
| L39 | ounce (avoirdupois) per cubic inch |
| $\llcorner 40$ | ounce (avoirdupois)-force |
| $\llcorner 41$ | ounce (avoirdupois)-force inch |
| $\llcorner 42$ | picosiemens per metre |
| $\llcorner 43$ | peck (UK) |
| L44 | peck (UK) per day |
| L45 | peck (UK) per hour |

## Bestellantwort

Used Codes

| L46 | peck (UK) per minute |
| :---: | :---: |
| L47 | peck (UK) per second |
| L48 | peck (US dry) per day |
| L49 | peck (US dry) per hour |
| L50 | peck (US dry) per minute |
| L51 | peck (US dry) per second |
| L52 | psi per psi |
| L53 | pint (UK) per day |
| L54 | pint (UK) per hour |
| L55 | pint (UK) per minute |
| L56 | pint (UK) per second |
| L57 | pint (US liquid) per day |
| L58 | pint (US liquid) per hour |
| L59 | pint (US liquid) per minute |
| L60 | pint (US liquid) per second |
| L63 | slug per day |
| L64 | slug per foot second |
| L65 | slug per cubic foot |
| L66 | slug per hour |
| L67 | slug per minute |
| L68 | slug per second |
| L69 | tonne per kelvin |
| L70 | tonne per bar |
| L71 | tonne per day |
| L72 | tonne per day kelvin |
| L73 | tonne per day bar |
| L74 | tonne per hour kelvin |
| L75 | tonne per hour bar |
| L76 | tonne per cubic metre kelvin |
| L77 | tonne per cubic metre bar |
| L78 | tonne per minute |
| L79 | tonne per minute kelvin |
| L80 | tonne per minute bar |

## Bestellantwort

Used Codes

| L81 | tonne per second |
| :---: | :---: |
| L82 | tonne per second kelvin |
| L83 | tonne per second bar |
| L84 | ton (UK shipping) |
| L85 | ton long per day |
| L86 | ton (US shipping) |
| L87 | ton short per degree Fahrenheit |
| L88 | ton short per day |
| L89 | ton short per hour degree Fahrenheit |
| L90 | ton short per hour psi |
| L91 | ton short per psi |
| L92 | ton (UK long) per cubic yard |
| L93 | ton (US short) per cubic yard |
| L94 | ton-force (US short) |
| L95 | common year |
| L96 | sidereal year |
| L98 | yard per degree Fahrenheit |
| L99 | yard per psi |
| LA | pound per cubic inch |
| LAC | lactose excess percentage <br> A unit of proportion defining the percentage of lactose in a product that exceeds a defined percentage level. |
| LBR | pound |
| LBT | troy pound (US) |
| LD | litre per day |
| LEF | leaf <br> A unit of count defining the number of leaves. |
| LF | linear foot <br> A unit of count defining the number of feet (12-inch) in length of a uniform width object. |
| LH | labour hour <br> A unit of time defining the number of labour hours. |
| LK | link <br> A unit of distance equal to 0.01 chain. |

## Bestellantwort

Used Codes
\(\left.$$
\begin{array}{ll} & \begin{array}{l}\text { linear metre } \\
\text { A unit of count defining the number of metres in length of a uniform width } \\
\text { object. }\end{array}
$$ <br>
length <br>
A unit of distance defining the linear extent of an item measured from end to <br>

end.\end{array}\right]\)| Lot [unit of procurement] |
| :--- |
| A unit of count defining the number of lots (lot: a collection of associated |
| items). |

## Bestellantwort

## Used Codes

| M19 | Beaufort <br> An empirical measure for describing wind speed based mainly on observed sea conditions. The Beaufort scale indicates the wind speed by numbers that typically range from 0 for calm, to 12 for hurricane. |
| :---: | :---: |
| M20 | reciprocal megakelvin or megakelvin to the power minus one |
| M21 | reciprocal kilovolt - ampere reciprocal hour |
| M22 | millilitre per square centimetre minute |
| M23 | newton per centimetre |
| M24 | ohm kilometre |
| M25 | percent per degree Celsius <br> A unit of proportion, equal to 0.01 , in relation to a temperature of one degree. |
| M26 | gigaohm per metre |
| M27 | megahertz metre |
| M29 | kilogram per kilogram |
| M30 | reciprocal volt - ampere reciprocal second |
| M31 | kilogram per kilometre |
| M32 | pascal second per litre |
| M33 | millimole per litre |
| M34 | newton metre per square metre |
| M35 | millivolt - ampere |
| M36 | 30-day month <br> A unit of count defining the number of months expressed in multiples of 30 days, one day equals 24 hours. |
| M37 | actual/360 <br> A unit of count defining the number of years expressed in multiples of 360 days, one day equals 24 hours. |
| M38 | kilometre per second squared 1000 -fold of the SI base unit metre divided by the power of the SI base unit second by exponent 2. |
| M39 | centimetre per second squared 0,01-fold of the SI base unit metre divided by the power of the SI base unit second by exponent 2 . |
| M4 | monetary value <br> A unit of measure expressed as a monetary amount. |
| M40 | yard per second squared <br> Unit of the length according to the Anglo-American and Imperial system of units divided by the power of the SI base unit second by exponent 2. |

## Bestellantwort

## Used Codes

| M41 | millimetre per second squared <br> 0,001 -fold of the SI base unit metre divided by the power of the SI base unit second by exponent 2. |
| :---: | :---: |
| M42 | mile (statute mile) per second squared <br> Unit of the length according to the Imperial system of units divided by the power of the SI base unit second by exponent 2 . |
| M43 | mil <br> Unit to indicate an angle at military zone, equal to the 6400th part of the full circle of the $360^{\circ}$ or $2 \cdot p \cdot r a d$. |
| M44 | revolution <br> Unit to identify an angle of the full circle of $360^{\circ}$ or $2 \cdot p \cdot$ rad (Refer ISO/TC12 SI Guide). |
| M45 | degree [unit of angle] per second squared 360 part of a full circle divided by the power of the SI base unit second and the exponent 2. |
| M46 | revolution per minute Unit of the angular velocity. |
| M47 | circular mil <br> Unit of an area, of which the size is given by a diameter of length of $1 \mathrm{~mm}(0$, 001 in ) based on the formula: area $=\mathrm{p} \cdot(\text { diameter } / 2)^{2}$. |
| M48 | square mile (based on U.S. survey foot) <br> Unit of the area, which is mainly common in the agriculture and forestry. |
| M49 | chain (based on U.S. survey foot) <br> Unit of the length according the Anglo-American system of units. |
| M5 | microcurie |
| M50 | furlong <br> Unit commonly used in Great Britain at rural distances: 1 furlong $=40$ rods $=$ 10 chains (UK) $=1 / 8$ mile $=1 / 10$ furlong $=220$ yards $=660$ foot. |
| M51 | foot (U.S. survey) <br> Unit commonly used in the United States for ordnance survey. |
| M52 | mile (based on U.S. survey foot) <br> Unit commonly used in the United States for ordnance survey. |
| M53 | metre per pascal <br> SI base unit metre divided by the derived SI unit pascal. |
| M55 | metre per radiant <br> Unit of the translation factor for implementation from rotation to linear movement. |
| M56 | shake <br> Unit for a very short period. |

## Bestellantwort

## Used Codes

|  | mile per minute <br> Unit of velocity from the Imperial system of units. |
| :--- | :--- |
| M57 | mile per second <br> Unit of the velocity from the Imperial system of units. |
| Metre per second pascal |  |
| SI base unit meter divided by the product of SI base unit second and the |  |
| derived SI unit pascal. |  |

## Bestellantwort

## Used Codes

| M72 | bel Logarithmic relationship to base 10. |
| :---: | :---: |
| M73 | kilogram per cubic metre pascal <br> SI base unit kilogram divided by the product of the power of the SI base unit metre with exponent 3 and the derived SI unit pascal. |
| M74 | kilogram per pascal <br> SI base unit kilogram divided by the derived SI unit pascal. |
| M75 | kilopound-force <br> 1000 -fold of the unit of the force pound-force (Ibf) according to the AngloAmerican system of units with the relationship. |
| M76 | poundal <br> Non SI-conforming unit of the power, which corresponds to a mass of a pound multiplied with the acceleration of a foot per square second. |
| M77 | kilogram metre per second squared <br> Product of the SI base unit kilogram and the SI base unit metre divided by the power of the SI base unit second by exponent 2 . |
| M78 | pond <br> 0,001 -fold of the unit of the weight, defined as a mass of 1 kg which finds out about a weight strength from 1 kp by the gravitational force at sea level which corresponds to a strength of 9,806 65 newton. |
| M79 | square foot per hour <br> Power of the unit foot according to the Anglo-American and Imperial system of units by exponent 2 divided by the unit of time hour. |
| M80 | stokes per pascal <br> CGS (Centimetre-Gram-Second system) unit stokes divided by the derived SI unit pascal. |
| M81 | square centimetre per second <br> 0,0001 -fold of the power of the SI base unit metre by exponent 2 divided by the SI base unit second. |
| M82 | square metre per second pascal <br> Power of the SI base unit metre with the exponent 2 divided by the SI base unit second and the derived SI unit pascal. |
| M83 | denier <br> Traditional unit for the indication of the linear mass of textile fibers and yarns. |
| M84 | pound per yard <br> Unit for linear mass according to avoirdupois system of units. |
| M85 | ton, assay <br> Non SI-conforming unit of the mass used in the mineralogy to determine the concentration of precious metals in ore according to the mass of the precious metal in milligrams in a sample of the mass of an assay sound (number of troy ounces in a short ton ( 1000 lb )). |

## Bestellantwort

## Used Codes

| M86 | pfund <br> Outdated unit of the mass used in Germany. |
| :---: | :---: |
| M87 | kilogram per second pascal <br> SI base unit kilogram divided by the product of the SI base unit second and the derived SI unit pascal. |
| M88 | tonne per month Unit tonne divided by the unit month. |
| M89 | tonne per year Unit tonne divided by the unit year with 365 days. |
| M9 | million Btu per 1000 cubic foot |
| M90 | kilopound per hour 1000 -fold of the unit of the mass avoirdupois pound according to the avoirdupois unit system divided by the unit hour. |
| M91 | pound per pound <br> Proportion of the mass consisting of the avoirdupois pound according to the avoirdupois unit system divided by the avoirdupois pound according to the avoirdupois unit system. |
| M92 | pound-force foot <br> Product of the unit pound-force according to the Anglo-American system of units and the unit foot according to the Anglo-American and the Imperial system of units. |
| M93 | newton metre per radian <br> Product of the derived SI unit newton and the SI base unit metre divided by the unit radian. |
| M94 | kilogram metre <br> Unit of imbalance as a product of the SI base unit kilogram and the SI base unit metre. |
| M95 | poundal foot <br> Product of the non SI-conforming unit of the force poundal and the unit foot according to the Anglo-American and Imperial system of units . |
| M96 | poundal inch <br> Product of the non SI-conforming unit of the force poundal and the unit inch according to the Anglo-American and Imperial system of units . |
| M97 | dyne metre <br> CGS (Centimetre-Gram-Second system) unit of the rotational moment. |
| M98 | kilogram centimetre per second <br> Product of the SI base unit kilogram and the 0,01-fold of the SI base unit metre divided by the SI base unit second. |
| M99 | gram centimetre per second <br> Product of the 0,001-fold of the SI base unit kilogram and the 0,01-fold of the SI base unit metre divided by the SI base unit second. |

## Bestellantwort

Used Codes
\(\left.\begin{array}{ll}megavolt ampere reactive hour <br>
A unit of electrical reactive power defining the total amount of reactive power <br>

across a power system.\end{array}\right]\)| megalitre |
| :--- |
| megametre |
| A unit of electrical reactive power represented by a current of one thousand |
| amperes flowing due a potential difference of one thousand volts where the |
| sine of the phase angle between them is 1. |

## Bestellantwort

Used Codes

| MLD | milliard <br> Synonym: billion (US) |
| :---: | :---: |
| MLT | millilitre |
| MMK | square millimetre |
| MMQ | cubic millimetre |
| MMT | millimetre |
| MND | kilogram, dry weight <br> A unit of mass defining the number of kilograms of a product, disregarding the water content of the product. |
| MON | month <br> Unit of time equal to $1 / 12$ of a year of 365,25 days. |
| MPA | megapascal |
| MQD | Cubic Metre Day Unit for measuring physical dimensions and time as required by DIN 18451 |
| MQH | cubic metre per hour |
| MQM | Cubic Metre Month <br> Unit for measuring physical dimensions and time as required by DIN 18451 |
| MQS | cubic metre per second |
| MQW | Cubic Metre Week <br> Unit for measuring physical dimensions and time as required by DIN 18451 |
| MRD | Metre Day <br> Unit for measuring physical dimensions and time as required by DIN 18451 |
| MRM | Metre Month <br> Unit for measuring physical dimensions and time as required by DIN 18451 |
| MRW | Metre Week <br> Unit for measuring physical dimensions and time, as required by DIN 18451 |
| MSK | metre per second squared |
| MTK | square metre |
| MTQ | cubic metre <br> Synonym: metre cubed |
| MTR | metre |
| MTS | metre per second |
| MVA | megavolt - ampere |
| MWH | megawatt hour ( $1000 \mathrm{~kW} . \mathrm{h}$ ) <br> A unit of power defining the total amount of bulk energy transferred or consumed. |

## Bestellantwort

| Used Codes | pen calorie <br> A unit of count defining the number of calories prescribed daily for parenteral/ <br> enteral therapy. |
| :--- | :--- |
| pound foot per second |  |
| Product of the avoirdupois pound according to the avoirdupois unit system and |  |
| the unit foot according to the Anglo-American and Imperial system of units |  |
| divided by the SI base unit second. |  |

## Bestellantwort

## Used Codes

| N19 | inch of water ( $60{ }^{\circ} \mathrm{F}$ ) |
| :---: | :---: |
|  | Non SI-conforming unit of pressure according to the Anglo-American and Imperial system for units, whereas the value of 1 inH 2 O meets the static pressure, which is generated by a head of water at a temperature of $60^{\circ} \mathrm{F}$ with a height of 1 inch . |
| N20 | kip per square inch |
|  | Non SI-conforming unit of the pressure according to the Anglo-American system of units as the 1000 -fold of the unit of the force pound-force divided by the power of the unit inch by exponent 2 . |
| N21 | poundal per square foot |
|  | Non SI-conforming unit of pressure by the Imperial system of units according to NIST: $1 \mathrm{pdl} / \mathrm{ft}^{2}=1,488164 \mathrm{~Pa}$. |
| N22 | ounce (avoirdupois) per square inch |
|  | Unit of the surface specific mass (avoirdupois ounce according to the avoirdupois system of units according to the surface square inch according to the Anglo-American and Imperial system of units). |
| N23 | conventional metre of water |
|  | Not SI-conforming unit of pressure, whereas a value of 1 mH 2 O is equivalent to the static pressure, which is produced by one metre high water column . |
| N24 | gram per square millimetre |
|  | 0,001 -fold of the SI base unit kilogram divided by the 0.000001 -fold of the power of the SI base unit meter by exponent 2 . |
| N25 | pound per square yard |
|  | Unit for areal-related mass as a unit pound according to the avoirdupois unit system divided by the power of the unit yard according to the Anglo-American and Imperial system of units with exponent 2. |
| N26 | poundal per square inch |
|  | Non SI-conforming unit of the pressure according to the Imperial system of units (poundal by square inch). |
| N27 | foot to the fourth power |
|  | Power of the unit foot according to the Anglo-American and Imperial system of units by exponent 4 according to NIST: $1 \mathrm{ft} 4=8,630975 \mathrm{~m} 4$. |
| N28 | cubic decimetre per kilogram |
|  | 0,001 fold of the power of the SI base unit meter by exponent 3 divided by the SI based unit kilogram. |
| N29 | cubic foot per pound |
|  | Power of the unit foot according to the Anglo-American and Imperial system of units by exponent 3 divided by the unit avoirdupois pound according to the avoirdupois unit system. |
| N3 | print point |

## Bestellantwort

## Used Codes

cubic inch per pound
Power of the unit inch according to the Anglo-American and Imperial system of
units by exponent 3 divided by the avoirdupois pound according to the
avoirdupois unit system .

## Bestellantwort

## Used Codes

| N44 | pound per foot day <br> Unit of the dynamic viscosity according to the Anglo-American unit system. |
| :---: | :---: |
| N45 | cubic metre per second pascal <br> Power of the SI base unit meter by exponent 3 divided by the product of the SI base unit second and the derived SI base unit pascal. |
| N46 | foot poundal Unit of the work (force-path). |
| N47 | inch poundal <br> Unit of work (force multiplied by path) according to the Imperial system of units as a product unit inch multiplied by poundal. |
| N48 | watt per square centimetre <br> Derived SI unit watt divided by the power of the 0,01-fold the SI base unit metre by exponent 2. |
| N49 | watt per square inch <br> Derived SI unit watt divided by the power of the unit inch according to the Anglo-American and Imperial system of units by exponent 2. |
| N50 | British thermal unit (international table) per square foot hour Unit of the surface heat flux according to the Imperial system of units. |
| N51 | British thermal unit (thermochemical) per square foot hour Unit of the surface heat flux according to the Imperial system of units. |
| N52 | British thermal unit (thermochemical) per square foot minute Unit of the surface heat flux according to the Imperial system of units. |
| N53 | British thermal unit (international table) per square foot second Unit of the surface heat flux according to the Imperial system of units. |
| N54 | British thermal unit (thermochemical) per square foot second Unit of the surface heat flux according to the Imperial system of units. |
| N55 | British thermal unit (international table) per square inch second Unit of the surface heat flux according to the Imperial system of units. |
| N56 | calorie (thermochemical) per square centimetre minute Unit of the surface heat flux according to the Imperial system of units. |
| N57 | calorie (thermochemical) per square centimetre second Unit of the surface heat flux according to the Imperial system of units. |
| N58 | British thermal unit (international table) per cubic foot Unit of the energy density according to the Imperial system of units. |
| N59 | British thermal unit (thermochemical) per cubic foot Unit of the energy density according to the Imperial system of units. |
| N60 | British thermal unit (international table) per degree Fahrenheit Unit of the heat capacity according to the Imperial system of units. |

## Bestellantwort

## Used Codes

| N61 | British thermal unit (thermochemical) per degree Fahrenheit Unit of the heat capacity according to the Imperial system of units. |
| :---: | :---: |
| N62 | British thermal unit (international table) per degree Rankine Unit of the heat capacity according to the Imperial system of units. |
| N63 | British thermal unit (thermochemical) per degree Rankine Unit of the heat capacity according to the Imperial system of units. |
| N64 | British thermal unit (thermochemical) per pound degree Rankine Unit of the heat capacity (British thermal unit according to the international table according to the Rankine degree) according to the Imperial system of units divided by the unit avoirdupois pound according to the avoirdupois system of units. |
| N65 | kilocalorie (international table) per gram kelvin Unit of the mass-related heat capacity as quotient 1000 -fold of the calorie (international table) divided by the product of the 0,001-fold of the SI base units kilogram and kelvin. |
| N66 | British thermal unit ( $39{ }^{\circ} \mathrm{F}$ ) <br> Unit of heat energy according to the Imperial system of units in a reference temperature of $39^{\circ} \mathrm{F}$. |
| N67 | British thermal unit ( $59{ }^{\circ} \mathrm{F}$ ) <br> Unit of heat energy according to the Imperial system of units in a reference temperature of $59{ }^{\circ} \mathrm{F}$. |
| N68 | British thermal unit ( $60{ }^{\circ} \mathrm{F}$ ) <br> Unit of head energy according to the Imperial system of units at a reference temperature of $60^{\circ} \mathrm{F}$. |
| N69 | calorie ( $20^{\circ} \mathrm{C}$ ) <br> Unit for quantity of heat, which is to be required for 1 g air free water at a constant pressure from $101,325 \mathrm{kPa}$, to warm up the pressure of standard atmosphere at sea level, from $19,5^{\circ} \mathrm{C}$ on $20,5^{\circ} \mathrm{C}$. |
| N70 | quad (1015 BtuIT) <br> Unit of heat energy according to the imperial system of units. |
| N71 | therm (EC) <br> Unit of heat energy in commercial use, within the EU defined: 1 thm $(E C)=$ 100000 BtuIT. |
| N72 | therm (U.S.) <br> Unit of heat energy in commercial use. |
| N73 | British thermal unit (thermochemical) per pound Unit of the heat energy according to the Imperial system of units divided the unit avoirdupois pound according to the avoirdupois system of units. |
| N74 | British thermal unit (international table) per hour square foot degree Fahrenheit <br> Unit of the heat transition coefficient according to the Imperial system of units. |

## Bestellantwort

## Used Codes

| N75 | British thermal unit (thermochemical) per hour square foot degree Fahrenheit Unit of the heat transition coefficient according to the imperial system of units. |
| :---: | :---: |
| N76 | British thermal unit (international table) per second square foot degree Fahrenheit <br> Unit of the heat transition coefficient according to the imperial system of units. |
| N77 | British thermal unit (thermochemical) per second square foot degree Fahrenheit <br> Unit of the heat transition coefficient according to the imperial system of units. |
| N78 | kilowatt per square metre kelvin 1000 -fold of the derived SI unit watt divided by the product of the power of the SI base unit metre by exponent 2 and the SI base unit kelvin. |
| N79 | kelvin per pascal <br> SI base unit kelvin divided by the derived SI unit pascal. |
| N80 | watt per metre degree Celsius <br> Derived SI unit watt divided by the product of the SI base unit metre and the unit for temperature degree Celsius. |
| N81 | kilowatt per metre kelvin <br> 1000 -fold of the derived SI unit watt divided by the product of the SI base unit metre and the SI base unit kelvin. |
| N82 | kilowatt per metre degree Celsius 1000 -fold of the derived SI unit watt divided by the product of the SI base unit metre and the unit for temperature degree Celsius. |
| N83 | metre per degree Celcius metre <br> SI base unit metre divided by the product of the unit degree Celsius and the SI base unit metre. |
| N84 | degree Fahrenheit hour per British thermal unit (international table) Non SI-conforming unit of the thermal resistance according to the Imperial system of units. |
| N85 | degree Fahrenheit hour per British thermal unit (thermochemical) Non SI-conforming unit of the thermal resistance according to the Imperial system of units. |
| N86 | degree Fahrenheit second per British thermal unit (international table) Non SI-conforming unit of the thermal resistance according to the Imperial system of units. |
| N87 | degree Fahrenheit second per British thermal unit (thermochemical) Non SI-conforming unit of the thermal resistance according to the Imperial system of units. |
| N88 | degree Fahrenheit hour square foot per British thermal unit (international table) inch <br> Unit of specific thermal resistance according to the Imperial system of units. |

## Bestellantwort

## Used Codes

| N89 | degree Fahrenheit hour square foot per British thermal unit (thermochemical) inch <br> Unit of specific thermal resistance according to the Imperial system of units. |
| :---: | :---: |
| N90 | kilofarad <br> 1000 -fold of the derived SI unit farad. |
| N91 | reciprocal joule <br> Reciprocal of the derived SI unit joule. |
| N92 | picosiemens <br> 0,000 000000001 -fold of the derived SI unit siemens. |
| N93 | ampere per pascal <br> SI base unit ampere divided by the derived SI unit pascal. |
| N94 | franklin <br> CGS (Centimetre-Gram-Second system) unit of the electrical charge, where the charge amounts to exactly 1 Fr where the force of 1 dyn on an equal load is performed at a distance of 1 cm . |
| N95 | ampere minute <br> A unit of electric charge defining the amount of charge accumulated by a steady flow of one ampere for one minute.. |
| N96 | biot <br> CGS (Centimetre-Gram-Second system) unit of the electric power which is defined by a force of 2 dyn per cm between two parallel conductors of infinite length with negligible cross-section in the distance of 1 cm . |
| N97 | gilbert <br> CGS (Centimetre-Gram-Second system) unit of the magnetomotive force, which is defined by the work to increase the magnetic potential of a positive common pol with 1 erg. |
| N98 | volt per pascal <br> Derived SI unit volt divided by the derived SI unit pascal. |
| N99 | picovolt 0,000000000001 -fold of the derived SI unit volt. |
| NA | milligram per kilogram |
| NAR | number of articles <br> A unit of count defining the number of articles (article: item). |
| NCL | number of cells <br> A unit of count defining the number of cells (cell: an enclosed or circumscribed space, cavity, or volume). |
| NEW | newton |
| NF | message <br> A unit of count defining the number of messages. |

## Bestellantwort

## Used Codes

| NIL | nil <br> A unit of count defining the number of instances of nothing. |
| :---: | :---: |
| NIU | number of international units <br> A unit of count defining the number of international units. |
| NL | load <br> A unit of volume defining the number of loads (load: a quantity of items carried or processed at one time). |
| NM3 | Normalised cubic metre <br> Normalised cubic metre (temperature $0^{\circ} \mathrm{C}$ and pressure 1013.25 millibars ) |
| NMI | nautical mile |
| NMP | number of packs <br> A unit of count defining the number of packs (pack: a collection of objects packaged together). |
| NPR | number of pairs <br> A unit of count defining the number of pairs (pair: item described by two's). |
| NPT | number of parts <br> A unit of count defining the number of parts (part: component of a larger entity). |
| NQ | mho |
| NR | micromho |
| NT | net ton <br> A unit of mass equal to 2000 pounds, see ton (US). Refer International Convention on tonnage measurement of Ships. |
| NTT | net register ton <br> A unit of mass equal to the total cubic footage after deductions, where 1 register ton is equal to 100 cubic feet. Refer International Convention on tonnage measurement of Ships. |
| NTU | Nephelometric turbidity unit <br> Nephelometric turbidity unit (NTU) is used for water turbidity level evaluation |
| NU | newton metre |
| NX | part per thousand <br> A unit of proportion equal to 10 to the power of -3 . <br> Synonym: per mille |
| OA | panel <br> A unit of count defining the number of panels (panel: a distinct, usually rectangular, section of a surface). |
| ODE | ozone depletion equivalent <br> A unit of mass defining the ozone depletion potential in kilograms of a product relative to the calculated depletion for the reference substance, <br> Trichlorofluoromethane (CFC-11). |

## Bestellantwort

Used Codes

| ODG | ODS Grams <br> A unit of measure calculated by multiplying the mass of the substance in grams and the ozone-depleting potential for the substance. |
| :---: | :---: |
| ODK | ODS Kilograms <br> A unit of measure calculated by multiplying the mass of the substance in kilograms and the ozone-depleting potential for the substance. |
| ODM | ODS Milligrams <br> A unit of measure calculated by multiplying the mass of the substance in milligrams and the ozone-depleting potential for the substance. |
| OHM | ohm |
| ON | ounce per square yard |
| ONZ | ounce (avoirdupois) |
| OPM | oscillations per minute <br> The number of oscillations per minute. |
| OT | overtime hour <br> A unit of time defining the number of overtime hours. |
| OZ | ounce av <br> A unit of measure equal to $1 / 16$ of a pound or about 28.3495 grams (av = avoirdupois). Use ounce (common code ONZ). |
| OZA | fluid ounce (US) |
| OZI | fluid ounce (UK) |
| P1 | percent <br> A unit of proportion equal to 0.01 . |
| P10 | coulomb per metre <br> Derived SI unit coulomb divided by the SI base unit metre. |
| P11 | kiloweber 1000 fold of the derived SI unit weber. |
| P12 | gamma <br> Unit of magnetic flow density. |
| P13 | kilotesla <br> 1000-fold of the derived SI unit tesla. |
| P14 | joule per second <br> Quotient of the derived SI unit joule divided by the SI base unit second. |
| P15 | joule per minute <br> Quotient from the derived SI unit joule divided by the unit minute. |
| P16 | joule per hour <br> Quotient from the derived SI unit joule divided by the unit hour. |

## Bestellantwort

## Used Codes

| P17 | joule per day <br> Quotient from the derived SI unit joule divided by the unit day. |
| :---: | :---: |
| P18 | kilojoule per second <br> Quotient from the 1000 -fold of the derived SI unit joule divided by the SI base unit second. |
| P19 | kilojoule per minute <br> Quotient from the 1000 -fold of the derived SI unit joule divided by the unit minute. |
| P2 | pound per foot |
| P20 | kilojoule per hour <br> Quotient from the 1000 -fold of the derived SI unit joule divided by the unit hour. |
| P21 | kilojoule per day <br> Quotient from the 1000 -fold of the derived SI unit joule divided by the unit day. |
| P22 | nanoohm 0,000 000 001-fold of the derived SI unit ohm. |
| P23 | ohm circular-mil per foot Unit of resistivity. |
| P24 | kilohenry <br> 1000 -fold of the derived SI unit henry. |
| P25 | lumen per square foot <br> Derived SI unit lumen divided by the power of the unit foot according to the Anglo-American and Imperial system of units by exponent 2. |
| P26 | phot <br> CGS (Centimetre-Gram-Second system) unit of luminance, defined as lumen by square centimetre. |
| P27 | footcandle <br> Non SI conform traditional unit, defined as density of light which impinges on a surface which has a distance of one foot from a light source, which shines with an intensity of an international candle. |
| P28 | candela per square inch <br> SI base unit candela divided by the power of unit inch according to the AngloAmerican and Imperial system of units by exponent 2. |
| P29 | footlambert <br> Unit of the luminance according to the Anglo-American system of units, defined as emitted or reflected luminance of a $\mathrm{Im} / \mathrm{ft}^{2}$. |
| P30 | lambert <br> CGS (Centimetre-Gram-Second system) unit of luminance, defined as the emitted or reflected luminance by one lumen per square centimetre. |

## Bestellantwort

## Used Codes

| P31 | stilb |
| :---: | :---: |
|  | CGS (Centimetre-Gram-Second system) unit of luminance, defined as emitted or reflected luminance by one lumen per square centimetre. |
| P32 | candela per square foot |
|  | Base unit SI candela divided by the power of the unit foot according to the Anglo-American and Imperial system of units by exponent 2. |
| P33 | kilocandela |
|  | 1000-fold of the SI base unit candela. |
| P34 | millicandela |
|  | 0,001-fold of the SI base unit candela. |
| P35 | Hefner-Kerze |
|  | Obsolete, non-legal unit of the power in Germany relating to DIN 1301-3: 1979: $1 \mathrm{HK}=0,903 \mathrm{~cd}$. |
| P36 | international candle |
|  | Obsolete, non-legal unit of the power in Germany relating to DIN 1301-3: 1979: $1 \mathrm{HK}=1,019 \mathrm{~cd}$. |
| P37 | British thermal unit (international table) per square foot |
|  | Unit of the areal-related energy transmission according to the Imperial system of units. |
| P38 | British thermal unit (thermochemical) per square foot |
|  | Unit of the areal-related energy transmission according to the Imperial system of units. |
| P39 | calorie (thermochemical) per square centimetre |
|  | Unit of the areal-related energy transmission according to the Imperial system of units. |
| P40 | langley |
|  | CGS (Centimetre-Gram-Second system) unit of the areal-related energy transmission (as a measure of the incident quantity of heat of solar radiation on the earth's surface). |
| P41 | decade (logarithmic) |
|  | 1 Dec: $=\log 210 \sim 3,32$ according to the logarithm for frequency range between f 1 and f 2 , when $\mathrm{f} 2 / \mathrm{f} 1=10$. |
| P42 | pascal squared second |
|  | Unit of the set as a product of the power of derived SI unit pascal with exponent 2 and the SI base unit second. |
| P43 | bel per metre |
|  | Unit bel divided by the SI base unit metre. |
| P44 | pound mole |
|  | Non SI-conforming unit of quantity of a substance relating that one pound mole of a chemical composition corresponds to the same number of pounds as the molecular weight of one molecule of this composition in atomic mass units |

## Bestellantwort

## Used Codes

| P45 | pound mole per second <br> Non SI-conforming unit of the power of the amount of substance non-SI compliant unit of the molar flux relating that a pound mole of a chemical composition the same number of pound corresponds like the molecular weight of a molecule of this composition in atomic mass units. |
| :---: | :---: |
| P46 | pound mole per minute <br> Non SI-conforming unit of the power of the amount of substance non-SI compliant unit of the molar flux relating that a pound mole of a chemical composition the same number of pound corresponds like the molecular weight of a molecule of this composition in atomic mass units. |
| P47 | kilomole per kilogram <br> 1000 -fold of the SI base unit mol divided by the SI base unit kilogram. |
| P48 | pound mole per pound <br> Non SI-conforming unit of the material molar flux divided by the avoirdupois pound for mass according to the avoirdupois unit system. |
| P49 | newton square metre per ampere <br> Product of the derived SI unit newton and the power of SI base unit metre with exponent 2 divided by the SI base unit ampere. |
| P5 | five pack <br> A unit of count defining the number of five-packs (five-pack: set of five items packaged together). |
| P50 | weber metre <br> Product of the derived SI unit weber and SI base unit metre. |
| P51 | mol per kilogram pascal <br> SI base unit mol divided by the product of the SI base unit kilogram and the derived SI unit pascal. |
| P52 | mol per cubic metre pascal <br> SI base unit mol divided by the product of the power from the SI base unit metre with exponent 3 and the derived SI unit pascal. |
| P53 | unit pole <br> CGS (Centimetre-Gram-Second system) unit for magnetic flux of a magnetic pole (according to the interaction of identical poles of 1 dyn at a distance of a cm). |
| P54 | milligray per second 0,001 -fold of the derived SI unit gray divided by the SI base unit second. |
| P55 | microgray per second 0,000 001-fold of the derived SI unit gray divided by the SI base unit second. |
| P56 | nanogray per second 0,000000001 -fold of the derived SI unit gray divided by the SI base unit second. |

## Bestellantwort

## Used Codes

| P57 | gray per minute <br> SI derived unit gray divided by the unit minute. |
| :---: | :---: |
| P58 | milligray per minute 0,001-fold of the derived SI unit gray divided by the unit minute. |
| P59 | microgray per minute 0,000 001-fold of the derived SI unit gray divided by the unit minute. |
| P60 | nanogray per minute 0,000000001 -fold of the derived SI unit gray divided by the unit minute. |
| P61 | gray per hour <br> SI derived unit gray divided by the unit hour. |
| P62 | milligray per hour <br> 0,001-fold of the derived SI unit gray divided by the unit hour. |
| P63 | microgray per hour 0,000001 -fold of the derived SI unit gray divided by the unit hour. |
| P64 | nanogray per hour <br> 0,000 000001 -fold of the derived SI unit gray divided by the unit hour. |
| P65 | sievert per second <br> Derived SI unit sievert divided by the SI base unit second. |
| P66 | millisievert per second 0,001 -fold of the derived SI unit sievert divided by the SI base unit second. |
| P67 | microsievert per second 0,000 001-fold of the derived SI unit sievert divided by the SI base unit second. |
| P68 | nanosievert per second 0,000000001 -fold of the derived SI unit sievert divided by the SI base unit second. |
| P69 | rem per second <br> Unit for the equivalent tin rate relating to DIN 1301-3:1979: 1 rem $/ \mathrm{s}=0,01$ $\mathrm{J} /(\mathrm{kg} \cdot \mathrm{s})=1 \mathrm{~Sv} / \mathrm{s}$. |
| P70 | sievert per hour <br> Derived SI unit sievert divided by the unit hour. |
| P71 | millisievert per hour 0,001-fold of the derived SI unit sievert divided by the unit hour. |
| P72 | microsievert per hour 0,000 001-fold of the derived SI unit sievert divided by the unit hour. |
| P73 | nanosievert per hour 0,000000001 -fold of the derived SI unit sievert divided by the unit hour. |

## Bestellantwort

## Used Codes

| P74 | sievert per minute <br> Derived SI unit sievert divided by the unit minute. |
| :--- | :--- |
| P75 millisievert per minute |  |
| 0,001-fold of the derived SI unit sievert divided by the unit minute. |  |

## Bestellantwort

## Used Codes

| P89 | pound-force foot per inch |
| :---: | :---: |
|  | Unit for length-related rotational moment according to the Anglo-American and Imperial system of units. |
| P90 | pound-force inch per inch |
|  | Unit for length-related rotational moment according to the Anglo-American and Imperial system of units. |
| P91 | perm ( $0^{\circ}{ }^{\circ} \mathrm{C}$ ) |
|  | Traditional unit for the ability of a material to allow the transition of the steam, defined at a temperature of $0^{\circ} \mathrm{C}$ as steam transmittance, where the mass of one grain steam penetrates an area of one foot squared at a pressure from one inch mercury per hour. |
| P92 | perm ( $23{ }^{\circ} \mathrm{C}$ ) |
|  | Traditional unit for the ability of a material to allow the transition of the steam, defined at a temperature of $23^{\circ} \mathrm{C}$ as steam transmittance at which the mass of one grain of steam penetrates an area of one square foot at a pressure of one inch mercury per hour. |
| P93 | byte per second |
|  | Unit byte divided by the SI base unit second. |
| P94 | kilobyte per second |
|  | 1000-fold of the unit byte divided by the SI base unit second. |
| P95 | megabyte per second |
|  | 1000000 -fold of the unit byte divided by the SI base unit second. |
| P96 | reciprocal volt |
|  | Reciprocal of the derived SI unit volt. |
| P97 | reciprocal radian |
|  | Reciprocal of the unit radian. |
| P98 | pascal to the power sum of stoichiometric numbers |
|  | Unit of the equilibrium constant on the basis of the pressure(ISO 80000-9: 2009, 9-35.a). |
| P99 | mole per cubiv metre to the power sum of stoichiometric numbers |
|  | Unit of the equilibrium constant on the basis of the concentration (ISO 80000-9:2009, 9-36.a). |
| PAL | pascal |
| PD | pad |
|  | A unit of count defining the number of pads (pad: block of paper sheets fastened together at one end). |
| PFL | proof litre |
|  | A unit of volume equal to one litre of proof spirits, or the alcohol equivalent thereof. Used for measuring the strength of distilled alcoholic liquors, expressed as a percentage of the alcohol content of a standard mixture at a specific temperature. |

## Bestellantwort

## Used Codes

|  | proof gallon <br> A unit of volume equal to one gallon of proof spirits, or the alcohol equivalent <br> thereof. Used for measuring the strength of distilled alcoholic liquors, <br> expressed as a percentage of the alcohol content of a standard mixture at a <br> specific temperature. |
| :--- | :--- |
| pitch |  |
| A unit of count defining the number of characters that fit in a horizontal inch. |  |
| degree Plato |  |
| A unit of proportion defining the sugar content of a product, especially in |  |
| relation to beer. |  |

## Bestellantwort

## Used Codes

| Q15 | hartley |
| :---: | :---: |
|  | Logarithmic unit for information equal to the content of decision of a sentence of ten mutually exclusive events, expressed as a logarithm to base 10. |
| Q16 | natural unit of information |
|  | Logarithmic unit for information equal to the content of decision of a sentence of ,718 281828459 mutually exclusive events, expressed as a logarithm to base Euler value e. |
| Q17 | shannon per second |
|  | Time related logarithmic unit for information equal to the content of decision of a sentence of two mutually exclusive events, expressed as a logarithm to base 2. |
| Q18 | hartley per second |
|  | Time related logarithmic unit for information equal to the content of decision of a sentence of ten mutually exclusive events, expressed as a logarithm to base 10. |
| Q19 | natural unit of information per second |
|  | Time related logarithmic unit for information equal to the content of decision of a sentence of 2,718281828459 mutually exclusive events, expressed as a logarithm to base of the Euler value e. |
| Q20 | second per kilogramm |
|  | Unit of the Einstein transition probability for spontaneous or inducing emissions and absorption according to ISO 80000-7:2008, expressed as SI base unit second divided by the SI base unit kilogram. |
| Q21 | watt square metre |
|  | Unit of the first radiation constants $\mathrm{c} 1=2 \cdot \mathrm{p} \cdot \mathrm{h} \cdot \mathrm{c} 0$ to the power of 2 , the value of which is $3,74177118 \cdot 10$ ? 16 -fold that of the comparative value of the product of the derived SI unit watt multiplied with the power of the SI base unit metre with the exponent 2. |
| Q22 | second per radian cubic metre |
|  | Unit of the density of states as an expression of angular frequency as complement of the product of hertz and radiant and the power of SI base unit metre by exponent 3 . |
| Q23 | weber to the power minus one |
|  | Complement of the derived SI unit weber as unit of the Josephson constant, which value is equal to the 384597,891 -fold of the reference value gigahertz divided by volt. |
| Q24 | reciprocal inch |
|  | Complement of the unit inch according to the Anglo-American and Imperial system of units. |
| Q25 | dioptre |
|  | Unit used at the statement of relative refractive indexes of optical systems as complement of the focal length with correspondence to: $1 \mathrm{dpt}=1 / \mathrm{m}$. |

## Bestellantwort

## Used Codes

| Q26 | one per one |
| :---: | :---: |
|  | Value of the quotient from two physical units of the same kind as a numerator and denominator whereas the units are shortened mutually. |
| Q27 | newton metre per metre |
|  | Unit for length-related rotational moment as product of the derived SI unit newton and the SI base unit metre divided by the SI base unit metre. |
| Q28 | kilogram per square metre pascal second |
|  | Unit for the ability of a material to allow the transition of steam. |
| Q29 | microgram per hectogram |
|  | Microgram per hectogram. |
| Q3 | meal |
|  | A unit of count defining the number of meals (meal: an amount of food to be eaten on a single occasion). |
| Q30 | pH (potential of Hydrogen) |
|  | The activity of the (solvated) hydrogen ion (a logarithmic measure used to state the acidity or alkalinity of a chemical solution). |
| Q31 | kilojoule per gram |
| Q32 | femtolitre |
| Q33 | picolitre |
| Q34 | nanolitre |
| Q35 | megawatts per minute |
|  | A unit of power defining the total amount of bulk energy transferred or consumer per minute. |
| Q36 | square metre per cubic metre |
|  | A unit of the amount of surface area per unit volume of an object or collection of objects. |
| Q37 | Standard cubic metre per day |
|  | Standard cubic metre (temperature $15^{\circ} \mathrm{C}$ and pressure 1013.25 millibars ) per day |
| Q38 | Standard cubic metre per hour |
|  | Standard cubic metre (temperature $15^{\circ} \mathrm{C}$ and pressure 1013.25 millibars ) per hour |
| Q39 | Normalized cubic metre per day |
|  | Normalized cubic metre (temperature $0^{\circ} \mathrm{C}$ and pressure 1013.25 millibars ) per day |
| Q40 | Normalized cubic metre per hour |
|  | Normalized cubic metre (temperature $0^{\circ} \mathrm{C}$ and pressure 1013.25 millibars ) per hour |

## Bestellantwort

## Used Codes

| Q41 | Joule per normalised cubic metre <br> Joule per normalised cubic metre (temperature $0^{\circ} \mathrm{C}$ and pressure 1013.25 <br> millibars). |
| :--- | :--- |
| Q42 | Joule per standard cubic metre <br> Joule per standard cubic metre (temperature $15^{\circ} \mathrm{C}$ and pressure 1013.25 <br> millibars). |
| page - facsimile |  |
| A unit of count defining the number of facsimile pages. |  |

## Bestellantwort

## Used Codes

|  | pound per ream <br> A unit of mass for paper, expressed as pounds per ream, (ream: a large <br> quantity of paper, typically 500 sheets). |
| :--- | :--- |
| revolutions per minute <br> Refer ISO/TC12 SI Guide |  |
| revolutions per second |  |
| Refer ISO/TC12 SI Guide |  |, | revenue ton mile |
| :--- |
| A unit of information typically used for billing purposes, expressed as the |
| number of revenue tons (revenue ton: either a metric ton or a cubic metres, |
| whichever is the larger), moved over a distance of one mile. |

## Bestellantwort

## Used Codes

| SR | strip <br> A unit of count defining the number of strips (strip: long narrow piece of an <br> object). |
| :--- | :--- |
| STC |  |
| A unit of count defining the number of sticks (stick: slender and often |  |
| cylindrical piece of a substance). |  |
| stone (UK) |  |

## Bestellantwort

## Used Codes

| TIC | metric ton, including container <br> A unit of mass defining the number of metric tons of a product, including its <br> container. |
| :--- | :--- |
|  | metric ton, including inner packaging <br> A unit of mass defining the number of metric tons of a product, including its <br> inner packaging materials. |
| Tonne kilometre |  |
| A unit of information typically used for billing purposes, expressed as the |  |
| number of tonnes (metric tons) moved over a distance of one kilometre. |  |

## Bestellantwort

Used Codes

| UC | telecommunication port <br> A unit of count defining the number of network access ports. |
| :---: | :---: |
| UIG | international unit per gram <br> A unit of count defining the number of international units per gram. |
| VA | volt - ampere per kilogram |
| VLT | volt |
| VP | percent volume <br> A measure of concentration, typically expressed as the percentage volume of a solute in a solution. |
| W2 | wet kilo <br> A unit of mass defining the number of kilograms of a product, including the water content of the product. |
| WA | watt per kilogram |
| WB | wet pound <br> A unit of mass defining the number of pounds of a material, including the water content of the material. |
| WCD | cord <br> A unit of volume used for measuring lumber. One board foot equals $1 / 12$ of a cubic foot. |
| WE | wet ton <br> A unit of mass defining the number of tons of a material, including the water content of the material. |
| WEB | weber |
| WEE | week |
| WG | wine gallon <br> A unit of volume equal to 231 cubic inches. |
| WHR | watt hour |
| WM | working month <br> A unit of time defining the number of working months. |
| WSD | standard <br> A unit of volume of finished lumber equal to 165 cubic feet. <br> Synonym: standard cubic foot |
| WTT | watt |
| ww | millilitre of water <br> A unit of volume equal to the number of millilitres of water. |
| X1 | Gunter's chain <br> A unit of distance used or formerly used by British surveyors. |
| YDK | square yard |

## Bestellantwort

Used Codes

| YDQ | cubic yard |
| :---: | :---: |
| YRD | yard |
| Z11 | hanging container <br> A unit of count defining the number of hanging containers. |
| ZP | page <br> A unit of count defining the number of pages. |
| ZZ | mutually defined <br> A unit of measure as agreed in common between two or more parties. |
| 001 | Barrel (205 litres, 45 gallons) (GS1 Temporary Code) A unit of liquids equivalent to 205 litres or 45 gallons. |
| 23 | gram per cubic centimetre <br> GS1 Description: <br> $\mathrm{g} / \mathrm{cm} 3$ as a unit of measure for the density of gas. This is necessary for dangerous substance articles for determination of the quantities that can be stored together on the shelf. |
| 25 | gram per square centimetre <br> GS1 Description: <br> A measure of weight in terms of gram per square centimetre. |
| 28 | kilogram per square metre <br> GS1 Description: <br> Unit of measure expressed in kilogram per square metre. |
| 37 | ounce per square foot |
| 59 | part per million |
| 64 | Pound per square inch, gauge <br> A unit of measure expressed in pound per square inch |
| 2N | decibel |
| 2X | metre per minute <br> GS1 Description: <br> A measure of speed in terms of metres per minute. |
| 4K | milliampere |
| 4L | megabyte <br> GS1 Description: <br> A unit of computer memory equal to 1.048 .576 (i.e. 2 power 20 ) bytes. |
| 40 | microfarad <br> GS1 Description: <br> One millionth of a farad. A farad is the capacitance of a capacitor between the plates of which a potential of 1 volt is created by a charge of 1 Coulomb. |
| 4P | newton per metre |
| A25 | cheval vapeur |

## Bestellantwort

Used Codes

| A86 | gigahertz <br> GS1 Description: <br> Hertz multiplied by $10 * 9$. |
| :---: | :---: |
| A99 | Bit <br> A unit of information equal to one binary digit. |
| ACR | acre <br> GS1 Description: <br> Acre (4840 yd2) |
| AD | byte <br> GS1 Description: <br> A unit of information stored in a computer, equal to eight bits. |
| AMH | ampere hour GS1 Description: Ampere-hour ( $3,6 \mathrm{kC}$ ) |
| AMP | ampere |
| AMT | amount |
| ANN | year <br> GS1 Description: <br> The expression of a year as a measure unit. |
| APZ | Troy ounce or apothecary ounce EDIFACT |
| ASM | alcoholic strength by mass <br> GS1 Description: <br> Alcoholic strength expressed by mass. |
| ASU | alcoholic strength by volume <br> GS1 Description: <br> Alcoholic strength expressed by volume. |
| AV | capsule <br> GS1 Description: <br> Encaspuled dosage form for pharmaceuticals. |
| B13 | Joule per square metre <br> A unit of measure of heat energy expressed in joule per square metre. |
| B17 | Credit <br> A unit of count defining the number of entries made to the credit side of an account. |
| BAR | bar <br> GS1 Description: <br> A unit of measure equal to 106 dines per square centimeter. |
| BTU | British thermal unit <br> GS1 Description: <br> British thermal unit (1,055 kilojoules) |

## Bestellantwort

Used Codes

| CO | call |
| :---: | :---: |
|  | GS1 Description: <br> Unit of measure for telephone calls. Code value is C0 (C Zero). |
| C60 | ohm centimetre |
|  | GS1 Description: <br> Unit of measure expressed in Ohm centimetre. |
| C79 | Kilovolt Ampere Hour |
|  | A unit of accumulated energy of 1000 volt amperes over a period of one hour. |
| CDL | candela |
|  | GS1 Description: |
|  | Unit of measure of light intensity. |
| CEL | degree celsius |
| CF2 | Colony forming unit per gram (GS1 Temporary Code) |
|  | Colony forming units per gram is a unit of measure for micro-organisms, such as bacteria, in a food item. Micro-organisms form colonies that are be counted under determined conditions |
| CLT | centilitre |
|  | GS1 Description: |
|  | A unit of volume equal to one hundreth of a liter. |
| CMK | square centimetre |
| CMQ | cubic centimetre |
|  | GS1 Description: |
|  | A system of units for the measurement of volume based on the cubic centimetre. |
| CMT | centimetre |
| D19 | Square metre kelvin per watt |
|  | Unit of measure of thermal insulance expressed in square metre kelvin per watt. |
| D21 | square metre per kilogram |
|  | GS1 Description: |
|  | Unit of measure expressed in square metre per kilogram. |
| D32 | Terawatt hour |
|  | A unit of measure expressed in terawatt hour |
| D5 | Kilogram per square centimetre |
|  | A unit of measure expressed in kilogram per square centimetre |
| D55 | Watt per square metre kelvin |
|  | Unit of measure of thermal conductance expressed in watt per square metre kelvin. |
| D68 | Number of Words |
|  | A unit of count defining the number of words. |
|  | EDIFACT |

## Bestellantwort

## Used Codes

| DAY | day <br> GS1 Description: <br> The expression of a day as a measure unit. |
| :---: | :---: |
| DD | degree <br> GS1 Description: <br> Unit of measure of temperature. |
| DMQ | cubic decimetre <br> GS1 Description: <br> Unit of measure expressed in cubic decimetre. |
| DMT | decimetre |
| DRG | Dragée (GS1 Temporary Code) <br> Number of dragées (coated tablets) contained in the item's package as a measurement unit. |
| DZN | dozen <br> GS1 Description: <br> A unit of measure of 12 or group of 12 . |
| E09 | Milliampere hour <br> A unit of power load delivered at the rate of one thousandth of an ampere over a period of one hour. <br> EDIFACT |
| E10 | Degree day <br> A unit of measure used in meteorology and engineering to measure the demand for heating or cooling over a given period of days. <br> EDIFACT |
| E11 | Gigacalorie <br> A unit of heat energy equal to one thousand million calories. EDIFACT |
| E27 | Dose <br> A unit of count defining the number of doses (dose: a definite quantity of a medicine or drug). <br> EDIFACT |
| E31 | Square metre per litre <br> A unit of count defining the number of square metres per litre. <br> EDIFACT |
| E32 | Litre per hour <br> A unit of count defining the number of litres per hour. EDIFACT |
| E34 | Gigabyte <br> A unit of information equal to 10 E9 bytes. |
| E37 | Pixel <br> A unit of count defining the number of pixels (pixel: picture element). |

## Bestellantwort

Used Codes

| E38 | Megapixel <br> A unit of count equal to 10 E6 (1000000) pixels (picture elements). |
| :---: | :---: |
| E39 | Dots per inch <br> A unit of information defining the number of dots per linear inch as a measure of the resolution or sharpness of an image. <br> GS1 Description: <br> synonym: pixels per inch. |
| EA | each |
| EV | envelope <br> GS1 Description: <br> A unit of measure pertaining to the number of envelopes. |
| FAH | degree Fahrenheit |
| FOT | foot GS1 Description: Foot ( $0,3048 \mathrm{~m}$ ) |
| FP | Pound per square foot <br> A unit of measure expressed in pound per square foot |
| FTK | Square foot <br> A unit of measure expressed in square foot |
| FTQ | cubic foot |
| GL | gram per litre |
| GLI | gallon (UK) <br> GS1 Description: <br> Gallon (4,546092 dm3) |
| GM | gram per square metre <br> GS1 Description: <br> Unit of measure of grams per square metre. |
| GRM | gram |
| GRO | gross <br> GS1 Description: <br> A unit of measure of 12 dozens. |
| GV | gigajoule |
| GWH | gigawatt hour <br> GS1 Description: <br> Gigawatt-hour (1 million kW/h) |
| H87 | Piece <br> A unit of count defining the number of pieces (piece: a single item, article or exemplar). <br> EDIFACT |
| HLT | hectolitre |

## Bestellantwort

Used Codes

| HMT | hectometre <br> A unit of linear measure equal to 10 E 2 metres. |
| :---: | :---: |
| HTZ | hertz GS1 Description: One cycle per second. |
| HUR | hour |
| INH | inch GS1 Description: Inch ( $25,4 \mathrm{~mm}$ ) |
| INK | Square inch <br> A unit of measure expressed in square inch |
| JM | Megajoule per cubic metre EDIFACT |
| Jou | joule |
| K51 | Kilocalorie (mean) EDIFACT |
| KB | kilocharacter |
| KBA | kilobar |
| KEL | kelvin |
| KGM | kilogram |
| KHZ | kilohertz |
| KJO | kilojoule |
| KL | kilogram per metre <br> GS1 Description: <br> A measure of weight in terms of kilogram per metre. |
| KMH | kilometre per hour <br> GS1 Description: <br> A unit of measure expressed in kilometre per hour. |
| KMQ | kilogram per cubic metre <br> GS1 Description: <br> A measure of weight in terms of kilogram per cubic metre. |
| KMT | kilometre |
| KPA | kilopascal <br> GS1 Description: <br> Unit of measure expressed in kilopascal. |
| KVA | kilovolt - ampere GS1 Description: A unit of electric power. |
| KVT | kilovolt |
| KWH | kilowatt hour |

## Bestellantwort

Used Codes

| KWT | kilowatt |
| :---: | :---: |
| L2 | litre per minute <br> GS1 Description: <br> Unit of measure expressed in litre per minute. |
| LBR | Pound <br> EDIFACT |
| LD | Litre per day <br> A unit of measure defining the number of litres per day. |
| LNE | Printed line count (GS1 Temporary Code) <br> The indication of the count of printed lines included on a paper communication (e.g. telegram) for invoicing purposes. |
| LTR | litre <br> GS1 Description: <br> Litre ( 1 dm 3 ) |
| LUX | lux <br> GS1 Description: <br> Unit of measure of illumination (it corresponds to the illumination of a surface which normally and uniformly receives a light flow of 1 lumen per square meter). |
| M4 | Monetary value <br> A unit of measure expressed as a monetary amount. <br> EDIFACT |
| MAL | mega litre |
| MAW | megawatt |
| MC | microgram One millionth of a gram. |
| MCU | millicurie <br> GS1 Description: <br> Unit of measure for radioactivity. |
| MGM | milligram |
| MHZ | megahertz |
| MIN | minute |
| MLT | millilitre |
| MMK | square millimetre <br> GS1 Description: <br> A unit to measure a surface equal to one millionth of a quadrate. |
| MMQ | cubic millimetre <br> GS1 Description: <br> A unit of measure expressed in cubic milimetres. |
| MMT | millimetre |

## Bestellantwort

Used Codes

|  | month <br> GS1 Description: <br> The expression of a month as a measure unit. |
| :--- | :--- |
| megapascal <br> GS1 Description: <br> A unit of measure expressed in Megapascal. |  |
| Cubic metre per hour |  |
| A unit of measure defining the number of cubic metres per hour. |  |

## Bestellantwort

## Used Codes

| PF | pallet (lift) <br> GS1 Description: <br> A number of articles expressed in terms of pallets. |
| :---: | :---: |
| PR | pair <br> GS1 Description: <br> Two articles which belong together but are not necessarily identical. |
| PTI | pint (UK) <br> GS1 Description: <br> Pint UK ( $0,568262 \mathrm{dm} 3$ ) |
| PTN | Portion (GS1 Temporary Code) <br> The identification of the number of portions (doses in medical terms) into which a complete product may be broken into for serving purposes, e.g. a pie with 6 portions, a liquid medicine with 20 doses. |
| QAN | quarter (of a year) |
| QTI | ```quart (UK) GS1 Description: Quart UK (1,1136523 dm3)``` |
| RJH | Decanewton (GS1 Temporary Code) A unit of force equal to 10 Newton. |
| RPM | revolutions per minute |
| RTO | Ratio (GS1 Temporary Code) The measured value is a ratio. |
| SEC | second |
| SMI | Mile (statute mile) <br> A unit of measure expressed in mile |
| ST | sheet |
| TNE | tonne (metric ton) <br> GS1 Description: <br> Metric ton ( 1000 kg ) |
| U2 | tablet <br> A unit of count defining the number of tablets (tablet: a small flat or compressed solid object). <br> GS1 Description: <br> Dosage form for pharmaceuticals, pressed or compacted from a powder into a solid dose. |
| UI | Unit of activity, predefined (GS1 Temporary Code) A measure pertaining to a predefined activity. |
| VI | vial <br> GS1 Description: <br> Small glass container. E.g. for a liquid medicine or perfume. |
| VLT | volt |

## Bestellantwort

## Used Codes

| WHR | watt hour |
| :---: | :---: |
| WTT | watt |
| YDK | Square yard <br> A unit of measure expressed in square yard |
| YRD | yard <br> GS1 Description: <br> Yard (0,9144 m) |
| ZP | page <br> GS1 Description: <br> The indication of a page as a measurement unit for invoicing purposes, e.g. fax pages. |
| 7143 | Item type identification code Coded identification of an item type. |
| IN | Buyer's item number <br> The item number has been allocated by the buyer. |
| SA | Supplier's article number Number assigned to an article by the supplier of that article. |
| SRV | GS1 Global Trade Item Number <br> A unique number, up to 14-digits, assigned according to the numbering structure of the GS1 system. 'GS1' stands for the 'Global Standards One'. |

## Example

UNA:+.? '
UNB+UNOC:3+4012345000009:14:4012345000018+4000004000002:14:4000004000099 +181013:1043+4711+REF:AA++++EANCOM+1'
UNH+1+ORDRSP:D:01B:UN:EAN009'
BGM+231:: :OR+128222+29'
DTM+137:20201020:102'
RFF+ON:4711'
NAD+SU+4012345000009: :9'
RFF+GN:HRB-471111'
RFF+VA:DE345678912'
RFF+YC1:12345'
NAD+BY+4398765000004::9+X:X:X:X:X'
RFF+GN:HRB-471111'
RFF+VA:DE123456789'
RFF+YC1: $22369{ }^{\prime}$
NAD+IV+4071615192710::9'
NAD+DP+4399899175941::9++EDI-LAND:Herr Laufen:Garage+Bussardweg 5+Leopar dshöhle++33818+DE'
CUX+2:EUR:9'
LIN+1+5+4000004000035:SRV'
PIA+5+ABC5343:SA::91'
PIA+5+563985:IN::92'
QTY+21:20'
QTY+113:10'
DTM+67:20201028:102'
PRI+AAA:10::LIU:9:KGM'
RFF+LI:4711:X'
UNS+S'
MOA+79:200'
UNT+26+1'
UNZ+1+4711 ${ }^{\prime}$


[^0]:    Max. Occ. $=$ Maximum Occurrence, St $=$ Status, $*=$ Restricted Codes
    Status: M=Mandatory, R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

