

Interface CSV
HVAC master data
import complete



Version 7.0

Edited: 10/01/2021

Grünebaumstr. 4

33098 Paderborn/Germany

Phone no. +49 5251 87288-0

Fax no. +49 5251 87288-19

Email: info@arge.de

Table of content

1	Version history	3
2	Framework conditions	12
3	Data content	14
3.1	Table <kopfdaten>	14
3.2	Table <artikel>	151
3.3	Table <artikeldokumentenzuordnungen>	28
3.4	Table <artikelmasse>	29
3.5	Table <dimensionstexte>	30
3.6	Table <zusaetzliche_artikeltexte>	31
3.7	Table <artikelzubehoer>	31
3.8	Table <artikelsets>	32
3.9	Table <rohstoffe>	32
3.10	Table <artikelattribute>	33
3.11	Table <gruppen>	35
3.12	Table <gruppendokumentenzuordnungen>	36
3.13	Table <langtexte>	37
3.14	Table <linienpreise>	38
3.15	Table <ersatzteillisten>	39
3.16	Table <historische_produkte>	40
3.17	Table <hp_dokumentenzuordnungen>	41

1 Version history

The contents of the interface were created with the support of ITEK GmbH, Paderborn.

Version 1.0 as of 11 May 2015

Initial version created

Version 1.1 as of 13 Apr 2016

1. The row <hersteller> (manufacturer) is omitted throughout all tables/worksheets.
2. Table <kopfdokumentenzuordnungen> omitted
3. Table <artikel>:

Table <artikel>	New as from DQG 3.0	Changes to the interface:
Indicator bulk material	omitted	omitted
Article type	New article type	Bulk material now included in code list <ArticleType>
Minimum order quantity	No change: Decimal number	Format correction: Decimal 16,3
Exportable	1 = technically necessary (mandatory)	Indicator Boolean
Goods number	3 = Conditional mandatory information for exportable articles. Goods number can also be specified for non-exportable articles.	Description text changed
Country of origin	EU/CE not in code list according to resolution by the Working Group on Product Data of 28 July 2015	Change code list <Countries>.
Value added tax	Change of name to sales tax: 1 = technically necessary (mandatory)	Change of name to sales tax with code list <TaxCode>
Energy efficiency class	3 = Conditional mandatory information if an energy efficiency class is provided	Description text changed
Standard delivery time	Calculated in working days: Mon-Fri	Description text changed
RRP	3 = Conditional mandatory information if an RRP is provided	Description text changed
Net calculation	omitted	omitted
PU 1-5: Quantity	New: Decimal number	Format: Decimal 16.,3
PU 1-5: Quantity unit	omitted	omitted

4. Table <artikeldokumentenzuordnungen>:

Table <artikeldokumentenzuordnungen>	New as from DQG 3.0	Changes to the interface:
Document	Several exploded views of the article are permitted.	Description text changed

5. Table <artikelmasse>

Table <artikelmasse>	New as from DQG 3.0	Changes to the interface:
Dimensional value	No change: Decimal number	Format addition: Decimal 16,3

6. Table <artikelzubehoer>:

Table <artikelzubehoer>	New as from DQG 3.0	Changes to the interface:
Quantity	Decimal number	Decimal 16,3: Number related to the basic unit of an article
Indicator Use of accessories	1 = technically necessary (mandatory)	Boolean: <yes> = mandatory <no> = optional

7. Table <artikelsets>:

Table <artikelsets>	New as from DQG 3.0	Changes to the interface:
Quantity	New: Decimal number Indication refers to the basic unit of an article	Decimal 16,3
Quantity unit	omitted	omitted

8. Table <historische_produkte>

Table <historische_produkte>	New as from DQG 3.0	Changes to the interface:
Year of manufacture text		Description text added

9. Code lists: renaming of all annexed code lists consistently in English and German.

- Code list PackageKind (packaging type) supplemented by the code <HalfPallet>.
- Code list EEC (energy efficiency classes) supplemented by the code <A>.
- Code list CarryingCategory (transport category) supplemented by the code <0> and description texts adapted.

Version 1.2 as of 07 Feb 2017

1. Changes in chapter 2 “Framework conditions”: **UTF 8 character set**

2. Table <kopfdaten>:

Data content	Changes	Comments
Data supplier ID	Integer 13	By extension the specification of a GLN is possible

3. Table <artikel>:

Data content	Changes	Comments
URL	Format: String 256	
Discontinuation date	Description text changed	
UN number	Description text changed	No mandatory indication for labelled hazardous goods
Hazard class	Description text changed	No mandatory indication for labelled hazardous goods
Transport category	Description text changed	No mandatory indication for labelled hazardous goods
Shelf life	Description text supplemented	
Indicator UBA positive list	New content	Code list <DocumentType> supplemented by media type UP
Indicator UBA request	New content	
Series	New content	
Model number	New content	
WELL label	New document type	Code list <DocumentType> supplemented
Dimensions and weights of the basic article	New content	

4. New table <zusaetzliche_artikeltexte>:

Short article summary	New content: Optional text type	Unformatted article text
Article summary	New content: Optional text type	Formatted continuous text
Marketing text	New content: Optional text type	Formatted continuous text
Application note	New content: Optional text type	Formatted continuous text

5. Table <artikelattribute>

Data content	Changes	Comments
Attribute system	New content	Code list <AttributeSystem> newly added
Attribute category	New content	
Attribute value description	New content	

6. Code list PackageKind (type of packaging) supplemented by the codes <Plate>, <Jerrican> and <Container>.

Version 4.0 as of 19 Apr 2018

3.2 Table <artikel> (articles):

- Field <Leistungsverzeichnis> (service specifications) omitted
- Field <Prüfnummer> (test number) omitted
- New data content <Kennzeichen REACH> (REACH label) as mandatory
- New data content <Datum REACH Liste> (REACH list date): Mandatory information for REACH labels <true> or <false>.

4 Code lists

4.3 Countries (countries of origin)

- New codes: CE for <European Community>, EU for <European Union>
QU for <Unspecified countries and territories>

4.8 PackageKind (type of packaging)

- New codes: CI for <Jerrican>, RG for <Ring>

4.9 RawMaterials (raw material information)

- New code: MS for <Brass>

4.21 Reach (REACH list)

- New code list created

Version 5.0 as of 12 Apr 2019

- Inclusion of comments and references to mandatory fields in the DQG
- Character set extension for additional article texts by
 - U20A0 - U20CF Currency symbols
 - U2000 - U206F Punctuation
 - U2300 Diameter symbols
- New indicator <Löschartikelkennzeichen> (discontinued article) with the values true, false
- Short article summary becomes mandatory field
- Addition of further codes for media types
- Inclusion of a code for "Liability assumption agreement of the ZVSHK" in the attribute system
- Standard delivery time is mandatory for the article types Standard, Variante, Ersatzteil A, Ersatzteil B, Schüttgut (standard, variant, spare part A, spare part B, bulk)

Version 5.1 as of 7 June 2019

- Inclusion of information on packaging disposal at header level

Version 5.2 as of 29 Nov 2019

-
- Inclusion of document type <PL> for test report lithium batteries
- Inclusion of <Batteriekenzeichnung> (battery identification) in the code list AttributeSystem

Version 6.0. as of 8 May 2020

- 2 Framework conditions
 - Character set extension for additional article texts by the Unicode <U2200 - U22FF>
- 3.1 Table <kopfdaten> (header data)
 - Fields <WEEE-Artikel enthalten> (WEEE article included) and <WEEE Registrierungsnummer> (WEEE registration number) omitted
 - Fields <LUCID_Nummer> (LUCID number) and <Entsorgungsdienstleister> (disposal service provider): format modified
- 3.2 Table <artikel> (articles)
 - Field <Energieeffizienzklasse> (energy efficiency class) omitted
 - New data content <WEEE Registrierungsnummer> (WEEE registration number) as optional specification
 - New data content <Kennzeichen_Gefahrstoff> (HAZMAT label) as mandatory information
 - New data content <Handelsname> (trade name) as optional specification
 - New data content <Ergaenzende_Informationen> (supplementary information) as optional specification
 - New data content <Kennzeichen_Lithiumbatterie> (lithium battery Indicator) mandatory information
- 3.7 Table <artikelzubehoer> (article accessories)
 - Field < Indicator_AccessoryUse > omitted
- 3.10 Table <artikelattribute> (article attributes)
 - Field <Attributname>: Note “unambiguous” removed due to new codes in the code list AttributeSystem
 - Specification of a range for an energy efficiency class via <Attributwert> (attribute value) and <Attributwert2> (attribute value 2)
- 4. Code lists

Chapter deleted -> The code lists are recorded in a separate document “Data Quality Guideline of the HVAC industry, Annex to DQG 6.0: Code lists, version 6.0, edited 02.04.2020”.

- Code list AttributeNames (energy efficiency classes): Specification of several energy efficiency classes in the attributes
- Code list AttributeSystem (attribute system): new codes: ETIM 8, ERP, ERP 2.5 and HAZMAT
- Code list DocumentType (media type): new codes: KB and BF
- Code list DocumentType (media type): codes 3B, VP, TI, AN omitted

Version 7.0, as of 10 January 2021

➤ 3.1 Table <kopfdaten>

Data content	Changes	Comments
Test constant	new	Contains the constant "1234567890abcdefghijklmnopqrstuvwxyzüöäÜÖÄÜß®€"

➤ 3.2 Table <article>

Data content	Changes	Comments
Kennzeichen_Gefahrgut	dropped	will be transferred to table <artikelattribute>
UN_Nummer	dropped	will be transferred to table <artikelattribute>
Gefahrenklasse	dropped	will be transferred to table <artikelattribute>
Befoerderungskategorie	dropped	will be transferred to table <artikelattribute>
Kennzeichen_UBA_Positivliste	dropped	will be transferred to table <artikelattribute>
Kennzeichen_UBA_Anforderung	dropped	will be transferred to table <artikelattribute>
Kennzeichen_Reach_Liste	dropped	will be transferred to table <artikelattribute>
Datum_Reach_Liste	dropped	will be transferred to table <artikelattribute>
WEEE-Registrierungsnummer	dropped	will be transferred to table <artikelattribute>
Handelsname	dropped	will be transferred to table <artikelattribute>
Ergaenzende_Informationen	dropped	will be transferred to table <artikelattribute>
Kennzeichen_Lithiumbatterie	dropped	will be transferred to table <artikelattribute>

➤ 3.3 Table <artikeldokumentenzuordnungen>

- The document types LS (Lifestyle) and KV (Keyvisual) as well as AS (Arbeitsschutz) are dropped.
- File names of images do not have to contain the document type in the third and fourth character.
- The manufacturer shorthand symbol is not mandatory anymore.

➤ 3.14 <linienpreise>

- New table.
- Instead of a factory list price or a RRP special prices can be transferred.

Data content	Changes	Comments
Werksartikelnummer	new	string 15
Preislinien-Bezeichnung	new	string 40
Linienpreis	new	decimal 15,2
Währung	new	code list currency
Preisbasis	new	integer 9
Preiseinheit	new	code list units

➤ 3.16 <historische_produkte>

- Additionally to the thirteen-digit GTIN a fourteen-digit GTIN is also permitted alternatively now.

➤ Code list Articletype (article type)

Code	Description	Changes
PLA	Price line article	new
GEB	Fees	new

➤ Code list Packagekind (package kind)

Code	Description	Changes
PMS	Reusable pallet with special dimension	new

➤ Code list AttributSystem (attribute system)

Code	Description	Changes
Gebühren	Allocation of fee articles (calibration fee) to articles	new
Regulations	Regulations	new

➤ **Code list - classes within the system regulations (Regulations)**

Attribute class	Description	Changes
ERP	Energy efficiency class	transferred from <artikelattribute> (attribute system)
ERP 1.15	Heating label	transferred from <artikelattribute> (attribute system)
ERP 2.0	Heating label	transferred from <artikelattribute> (attribute system)
ERP 2.1	Heating label	transferred from <artikelattribute> (attribute system)
ERP 2.3	Heating label	transferred from <artikelattribute> (attribute system)
ERP 2.5	Heating label	transferred from <artikelattribute> (attribute system)
UBA-Positivliste	UBA Positive list identification	transferred from <artikel>
Gefahrgut	Hazardous goods identification	transferred from <artikel>
REACH	REACH identification	transferred from <artikel>
Gefahrstoff	Identification of hazardous substances	transferred from <artikelattribute> (attribute system)
Batteriekennzeichnung	Battery identification	transferred from <artikel> (Lithium identification) and <artikelattribute> (attribute system), <Lithium-Kennzeichen> is now named as <Kennzeichen> in the range of battery identification
ECHA-DB	Identification ECHA data base	transferred from <artikel>
Entsorgung	Disposal (WEEE registration)	new

➤ **Code list - attribute names within attribute system Regulations (Regulations)**

Class	Code	Changes
Gefahrgut	Offizielle Benennung	new
Gefahrgut	Technische Benennung	new
Gefahrgut	Gefahrenzettel	new
Gefahrgut	Verpackungsgruppe	new
Gefahrgut	Anzahl der Versandstücke	new
Gefahrgut	Beschreibung der Versandstücke	new
Gefahrgut	Tunnelbeschränkungscode	new
Gefahrgut	Wassergefahrgutklasse	new
Gefahrgut	Begrenzte Menge	new

➤ **Changing in testing: new mandatory testing for delete articles**

An article may only be deleted by removing the data set from the data delivery or by putting the erase flag, if the article had a discontinued flag in the previous data delivering.

2 Framework conditions

Within the interface ARGE Master Data CSV the article master data of the German HVAC industry are mapped. The interface consists of several CSV files. The following data areas are mapped within the interface:

- Header data
- Articles
- Groups
- Long texts
- Spare parts lists
- Historical products

The mapping of repeatable substructures to individual data areas is done via separate CSV files.

The following list shows all single files with their usage:

CSV file	Content
kopfdaten.csv	Delivery header data
artikel.csv	Basic data of the article
artikeldokumentenzuordnungen.csv	Image and document allocations to the article
artikelmasse.csv	Article dimensions
dimensionstexte.csv	Dimension texts for the article
zusätzliche_artikeltexte.csv	Optional additional article texts
artikelzubehoer.csv	Accessory products to the article
artikelsets.csv	Article sets
rohstoffe.csv	Raw material details of the article
artikelattribute.csv	Attributes of the article (individual or related to an attribute system, e.g. ETIM)
gruppen.csv	Definition of material groups, product groups, discount groups and bonus groups
gruppendokumentenzuordnungen.csv	Documents that are allocated to the groups
langtexte.csv	Definition of long texts and long text lines
ersatzteillisten.csv	Definition of the spare parts lists
historische_produkte.csv	Basic data on historical products
hp_dokumentenzuordnungen.csv	Document allocations to historical products

The following requirements apply to all files:

Character set		UTF 8
Permitted character set	Alphanumeric characters: Umlauts: Special characters:	A-Z, a-z, 0-9 Ä ä Ü ü Ö ö ! " # \$ % & ' () * + , - . / : < = > ? @ ^ _ ` § ß
Permitted character set for optional article texts: (short article summary, article summary, marketing text, application note)	U0020 – U007F U00A0 – U00FF U0100 – U017F U0370 – U03FF U0400 – U04FF U000A U000D U20A0 – U20CF U2000 – U206F U2300 U2200 – U22FF	Latin Basic without control characters Latin-1 Supplement without control characters Latin Extended-A Greek, Coptic Cyrillic Line feed Word wrap Currency symbols Punctuation Diameter characters Mathematical characters
Line separator		CR LF
Field separator		Semicolon (;)
Text isolation characters/escape characters		Quotation marks (")
Space		
Decimal separator		Comma (,)
Thousands separator		Not used
Date format		DDMMYYYY (31122020) (valid range: 01011900-31122099)
Boolean		"true" / "false"
GTIN (EAN)		13 digits numeric with valid check digit
Code lists		Cf. Annex
Header line		Each file must contain a header line.

3 Data content

3.1 Table <kopfdaten>

No.	Column header (content)	Description	Mandatory	Format
1	DatenlieferantID	Data supplier ID	No	Integer 13
2	DatenlieferantName	Short name of the data supplier	Yes	String 20
3	DatenlieferantKuerzel	ARGE code of the data supplier	No	String 2
4	KatalogID	Catalogue ID	No	String 35
5	Katalogname	Catalogue name	Yes	String 35
6	Gueltigkeitsbeginn	Start of validity of data delivery Note: Any start of validity at article level takes precedence!	Yes	Date
7	Gueltigkeitsende	End of validity of data delivery Note: Any end of validity at article level takes precedence!	No	Date
8	Bezeichnung_der_Datenlieferung	Description of the data delivery	Yes	String 35
9	Artikel mit systemrelevanter Verpackung vorhanden	Article with system-relevant packaging included	Yes	Boolean
10	LUCID-Nummer	LUCID number: Mandatory if <Artikel mit systemrelevanter Verpackung vorhanden> = true	No	String 20
11	Entsorgungsdienstleister	Name of the disposal service provider	Yes	String 80
12	Prüfkonstante	Contains the constant "1234567890abcdefghijklmnopqrstuvwxyzüöäÜÖÄÜß®€"	Yes	String 256

3.2 Table <Article>

No.	Column header (content)	Description	Mandatory	Format
1	Werksartikelnummer	Factory article number	Yes	String 15
2	GTIN	GTIN (EAN) serves alternatively to identify the article within the catalogue. If the GTIN is used, it must be supplied consistently for all articles. For exceptions cf. Artikeltyp Note: Mandatory for certain types of articles (cf. DQG 6.0, Annex 2, Ch. 1.2 Article types)	No	GTIN
3	Artikeltyp	Article type Note: Selection of the article type leads to different checking rules (cf. DQG 6.0, Annex 2, Ch. 1.2 Article types)	Yes	Code list ArticleType
4	Gultigkeitsbeginn	Start of validity at article level	Yes	Date
5	Gultigkeitsende	End of validity at article level Rule: Validity end cannot be before validity start	Yes	Date
6	Kurztext_1	Description 1 Note: Character set and encoding cf. DQG 6.0, Annex 1, Ch. 4.1	Yes	String 40
7	Kurztext_2	Description 2	No	String 40
8	Warengruppen_ID	Reference to the commodity group Note: The group must be contained in the worksheet <gruppen> (groups).	Yes	String 3
9	Produktgruppen_ID	Reference to the product group Note: The group must be contained in the worksheet <gruppen> (groups).	Yes	String 10
10	Rabattgruppen_ID	Reference to the discount group Note: The group must be contained in the worksheet <gruppen> (groups).	Yes	String 4
11	Bonusgruppen_ID	Reference to the bonus group Note: The group must be contained in the worksheet <gruppen> (groups).	No	String 35

No.	Column header (content)	Description	Mandatory	Format
12	MinBestellmenge	Minimum order quantity	Yes	Decimal 16,3
13	MinBestellmengeEinheit	Unit of the minimum order quantity Note: Minimum order quantity unit must be identical with price unit(s).	Yes	Code list Units
14	Werksartikelnummer_Katalog	Additional factory article number, as used for example in print media.	No	String 35
15	Alternativartikel	Article from the assortment to be used as an alternative. Note: The article must exist in the data record.	No	String 15
16	Nachfolgeartikelnummer_1	Article number of a Nachfolgeartikel_1 (successor model #1) Note: The article must exist in the data delivery. This information is mandatory if the article is marked as a discontinued article with <Ja, mit Nachfolgeartikel>/<Yes-Successor>. Note: Cf. usage rule in DQG Annex 2, Ch. 3.4	No	String 15
17	Nachfolgeartikelnummer_2	Article number of a Nachfolgeartikel_2 (successor model #2) Indication for articles that are replaced by more than one successor model. The information may only be delivered if the article is marked as a discontinued article with <Ja, mit Nachfolgeartikel>/<Yes-Successor>. Note: Cf. usage rule in DQG Annex 2, Ch. 3.4	No	String 15
18	Nachfolgeartikelnummer_3	Article number of a Nachfolgeartikel_3 (successor model #3) Indication for articles that are replaced by more than one successor model. The information may only be delivered if the article is marked as a discontinued article with <Ja, mit Nachfolgeartikel>/<Yes-Successor>. Note: Cf. usage rule in DQG Annex 2, Ch. 3.4	No	String 15
19	Langtextnummer	Reference to the long text Note: The long text for the article must be contained in the worksheet <langtexte>.	No	String 8

No.	Column header (content)	Description	Mandatory	Format
20	URL	URL of a website to retrieve further article information (Deep Link) Note: The URL link must begin with "http://" or "https://".	No	String 256
21	Auslaufartikel	Labelling of the discontinued article as <Yes>, <No>, <Yes-Successor> (for articles with Nachfolgeartikelnummer (successor model number))	Yes	Code list DiscontinuedArticles
22	Auslaufdatum	Expected discontinuation date Note: Mandatory information for discontinued articles (discontinued article = <Yes>, <Yes-Successor>). The specification is only possible for discontinued articles. Deletion at the earliest 12 months after setting the discontinuation date. Note: Cf. usage rule in DQG Annex 1, Ch. 3.3	No	Date
23	Bestellfaehigkeit_unterdruecken	Indicator for orderability in the shop of the HVAC industry portal: <true>, <false> Note: "true" means that the article cannot be ordered in the shop of the portal; "false" means that the article can be ordered.	Yes	Boolean
24	Anzeige_in	Control of the article display in the shop and spare parts system of the HVAC industry portal Note: Cf. code list Display Recommended usage: Please add a 3 for each article to be visible in the article search of the portal.	Yes	Code list Display
25	Ersatzteillistennummer	Reference to the spare parts list The spare parts list must be included in the defined spare parts lists.	No	String 35
26	Baujahr_von	Start of the production period	No	Date
27	Baujahr_bis	End of the production period	No	Date

No.	Column header (content)	Description	Mandatory	Format
28	Baujahr_Text	Notes/annotations on the year of manufacture	No	String 35
29	Exportfaehig	Indication whether an item is exportable: <true> or <false> Note: If "true" is used, country of origin and commodity code become mandatory; cf. DQG 6.0, Annex 1, Ch. 8.9	Yes	Boolean
30	Warennummer	Contains the Intrastat number. Note: Mandatory entry for export articles (indicator Exportfaehig = <true>)	No	Integer 8
31	Ursprungsland	Indication of the country of origin of the article Note: Mandatory entry for export articles (indicator Exportfaehig= <true>)	No	Code list Countries
32	Haltbarkeitszeitraum	Shelf life of the article in months: The value 99 stands for unlimited shelf life. Note: cf. DQG 6.0, Annex 1, Ch. 8.7	Yes	Integer 1-99

No.	Column header (content)	Description	Mandatory	Format
33	Serie	Name of the associated product series	No	String 80
34	Modellnummer	Model number of the article	No	String 15
35	Preis_auf_Anfrage	Indication whether the price of the article is only transmitted on request: <true> or <false> Note: With price on request = <true> no further price information may be supplied. Note: only permitted for article types MA = custom-made and DLS = service/software, cf. DQG 6.0, Annex 1, Ch. 6.1	Yes	Boolean
36	Mass_A	Dimension a of the basic article Note: Mandatory entry for articles with article types STD, ERA, ERB and the unit of quantity PCE, PR, DZN or SET and number of packages =1	No	Decimal 16,3
37	Einheit_Mass_A	Measuring unit for dimension a of the basic article Note: Mandatory entry for articles with article types STD, ERA, ERB and the unit of quantity PCE, PR, DZN or SET and number of packages =1	No	Code list LengthUnits
38	Mass_B	Dimension b of the basic article Note: Mandatory entry for articles with article types STD, ERA, ERB and the unit of quantity PCE, PR, DZN or SET and number of packages =1	No	Decimal 16,3
39	Einheit_Mass_B	Measuring unit for dimension b of the basic article Note: Mandatory entry for articles with article types STD, ERA, ERB and the unit of quantity PCE, PR, DZN or SET and number of packages =1	No	Code list LengthUnits
40	Mass_C	Dimension c of the basic article Note: Mandatory entry for articles with article types STD, ERA, ERB and the unit of quantity PCE, PR, DZN or SET and number of packages =1	No	Decimal 16,3
41	Einheit_Mass_C	Measuring unit for dimension c of the basic article Note: Mandatory entry for articles with article types STD, ERA, ERB and the unit of quantity PCE, PR, DZN or SET and number of packages =1	No	Code list LengthUnits

No.	Column header (content)	Description	Mandatory	Format
42	Gewicht	Weight of the basic article Note: Mandatory entry for articles with article types STD, ERA, ERB and the unit of quantity PCE, PR, DZN or SET and number of packages =1	No	Decimal 16,3
43	Einheit_Gewicht	Measuring unit for the weight of the basic article Note: Mandatory entry for articles with article types STD, ERA, ERB and the unit of quantity PCE, PR, DZN or SET and number of packages =1	No	Code list WeightUnits
44	Anzahl_Packstuecke	Number of packages contained in the article Note: Mandatory entry for articles with article types STD, ERA, ERB and the unit of quantity PCE, PR, DZN or SET or if dimension a, b, c or weight is not empty. If the number of packages is > 1, it is not necessary to specify dimension a, b, c, or weight.	No	Integer 8
45	Umsatzsteuer	Sales tax class of the article	Yes	Code list TaxCode
46	Standardlieferzeit	Specification of the standard delivery time in days (calculated in working days, Mon to Fri) Note: Mandatory information for the article types Standard, Variante, Ersatzteil A, Ersatzteil B, Schüttgut (standard, variant, spare part A, spare part B, bulk); cf. DQG 6.0, Annex 2, Ch. 1.2 Article types	No	Integer 8
47	Werklistenpreis_Preiswert	Factory list price of the article Note: Mandatory indication, if the price is not marked as <Preis auf Anfrage = yes>.	No	Decimal 15,2
48	Werklistenpreis_Waehrung	Price currency Note: Mandatory indication if a factory list price is indicated as the price value.	No	Code list Currency
49	Werklistenpreis_Preisbasis	Quantity of the article to which the price refers: Only the values 1, 10, 100, 1000 are allowed. Note: Mandatory indication if a factory list price is indicated as the price value.	No	Integer 9
50	Werklistenpreis_ Preismengeneinheit	Unit of quantity of the article to which the price refers. Note: Mandatory indication if a factory list price is indicated as the price value.	No	Code list Units

No.	Column header (content)	Description	Mandatory	Format
51	UVP_ohne_Steuer_Preiswert	RRP without sales tax class of the article Note: Mandatory indication, if a recommended retail price for the article is provided.	No	Decimal 15,2
52	UVP_ohne_Steuer_Waehrung	Price currency Note: Mandatory, if an RRP without tax is indicated as the price value.	No	Code list Currency
53	UVP_ohne_Steuer_Preisbasis	Quantity of the article to which the price refers: Only the values 1, 10, 100, 1000 are allowed. Note: Mandatory, if an RRP without tax is indicated as the price value.	No	Integer 9
54	UVP_ohne_Steuer_ Preismengeneinheit	Unit of quantity of the article to which the price refers. Note: Mandatory, if an RRP without tax is indicated as the price value.	No	Code list Units
55	VPE_1_Verpackungsart	Type of packaging unit 1 (box, basket, ...) Notes: The information on VPE/PU 1 is mandatory for all articles that are provided with a measuring unit of the type length, surface, volume or weight. For all articles with other measuring units, the specification of VPE/PU data records is optional . General instructions for use of VPE/PU 1 to VPE/PU 5: <ul style="list-style-type: none"> - If VPE/PUs are used, only completely filled VPE columns are permitted (packaging type, quantity, dimensions a, b, c, weight) - VPE/PU1 to VPE/PU5 are to be indicated with increasing quantity - The volume of VPE/PU1 to VPE/PU5 calculated from dimensions a, b, c must be given in ascending order - For two different VPE/PUs, the information on quantity and packaging type must not be identical - GTIN specifications are optional, but all GTINs specified for the item and its VPE/PUs must be different - If VPE/PUs are provided, the first VPE/PU has to be provided in the columns of VPE/PU1, and every further VPE/PU has to be delivered directly behind it without a gap in the VPE 	No	Code list PackageKind

No.	Column header (content)	Description	Mandatory	Format
56	VPE_1_Menge	Number of basic articles included	No	Decimal 16,3
57	VPE_1_GTIN	GTIN of packaging unit 1	No	GTIN
58	VPE_1_Mass_A	Dimension a of packaging unit 1	No	Decimal 16,3
59	VPE_1_Einheit_Mass_A	Measuring unit of dimension a of packaging unit 1	No	Code list LengthUnits
60	VPE_1_Mass_B	Dimension b of packaging unit 1	No	Decimal 16,3
61	VPE_1_Einheit_Mass_B	Measuring unit of dimension b of packaging unit 1	No	Code list LengthUnits
62	VPE_1_Mass_C	Dimension c of packaging unit 1	No	Decimal 16,3
63	VPE_1_Einheit_Mass_C	Measuring unit of dimension c of packaging unit 1	No	Code list LengthUnits
64	VPE_1_Gewicht	Weight of packaging unit 1	No	Decimal 16,3
65	VPE_1_Einheit_Gewicht	Measuring unit of the weight of packaging unit 1	No	Code list WeightUnits
66	VPE_2_Verpackungsart	Type of packaging unit 2 (box, basket, ...)	No	Code list PackageKind

No.	Column header (content)	Description	Mandatory	Format
67	VPE_2_Menge	Number of basic articles included	No	Decimal 16,3
68	VPE_2_GTIN	GTIN of packaging unit 2	No	GTIN
69	VPE_2_Mass_A	Dimension a of packaging unit 2	No	Decimal 16,3
70	VPE_2_Einheit_Mass_A	Measuring unit of dimension a of packaging unit 2	No	Code list LengthUnits
71	VPE_2_Mass_B	Dimension b of packaging unit 2	No	Decimal 16,3
72	VPE_2_Einheit_Mass_B	Measuring unit of dimension b of packaging unit 2	No	Code list LengthUnits
73	VPE_2_Mass_C	Dimension c of packaging unit 2	No	Decimal 16,3
74	VPE_2_Einheit_Mass_C	Measuring unit of dimension c of packaging unit 2	No	Code list LengthUnits
75	VPE_2_Gewicht	Weight of packaging unit 2 Note: Mandatory if a packaging type was previously specified.	No	Decimal 16,3
76	VPE_2_Einheit_Gewicht	Measuring unit of the weight of packaging unit 2	No	Code list WeightUnits
77	VPE_3_Verpackungsart	Type of packaging unit 3 (box, basket, ...)	No	Code list PackageKind

No.	Column header (content)	Description	Mandatory	Format
78	VPE_3_Menge	Number of basic articles included	No	Decimal 16,3
79	VPE_3_GTIN	GTIN of packaging unit 3	No	GTIN
80	VPE_3_Mass_A	Dimension a of packaging unit 3	No	Decimal 16,3
81	VPE_3_Einheit_Mass_A	Measuring unit of dimension a of packaging unit 3	No	Code list LengthUnits
82	VPE_3_Mass_B	Dimension b of packaging unit 3	No	Decimal 16,3
83	VPE_3_Einheit_Mass_B	Measuring unit of dimension b of packaging unit 3	No	Code list LengthUnits
84	VPE_3_Mass_C	Dimension c of packaging unit 3	No	Decimal 16,3
85	VPE_3_Einheit_Mass_C	Measuring unit of dimension c of packaging unit 3	No	Code list LengthUnits
86	VPE_3_Gewicht	Weight of packaging unit 3	No	Decimal 16,3
87	VPE_3_Einheit_Gewicht	Measuring unit of the weight of packaging unit 3	No	Code list WeightUnits
88	VPE_4_Verpackungsart	Type of packaging unit 4 (box, basket, ...)	No	Code list PackageKind

No.	Column header (content)	Description	Mandatory	Format
89	VPE_4_Menge	Number of basic articles included	No	Decimal 16,3
90	VPE_4_GTIN	GTIN of packaging unit 4	No	GTIN
91	VPE_4_Mass_A	Dimension a of packaging unit 4	No	Decimal 16,3
92	VPE_4_Einheit_Mass_A	Measuring unit of dimension a of packaging unit 4	No	Code list LengthUnits
93	VPE_4_Mass_B	Dimension b of packaging unit 4	No	Decimal 16,3
94	VPE_4_Einheit_Mass_B	Measuring unit of dimension b of packaging unit 4	No	Code list LengthUnits
95	VPE_4_Mass_C	Dimension c of packaging unit 4	No	Decimal 16,3
96	VPE_4_Einheit_Mass_C	Measuring unit of dimension c of packaging unit 4	No	Code list LengthUnits
97	VPE_4_Gewicht	Weight of packaging unit 4	No	Decimal 16,3

No.	Column header (content)	Description	Mandatory	Format
98	VPE_4_Einheit_Gewicht	Measuring unit of the weight of packaging unit 4	No	Code list WeightUnits
99	VPE_5_Verpackungsart	Type of packaging unit 5 (box, basket, ...)	No	Code list PackageKind
100	VPE_5_Menge	Number of basic articles included	No	Decimal 16,3
101	VPE_5_GTIN	GTIN of packaging unit 5	No	GTIN
102	VPE_5_Mass_A	Dimension a of packaging unit 5	No	Decimal 16,3
103	VPE_5_Einheit_Mass_A	Measuring unit of dimension a of packaging unit 5	No	Code list LengthUnits
104	VPE_5_Mass_B	Dimension b of packaging unit 5	No	Decimal 16,3
105	VPE_5_Einheit_Mass_B	Measuring unit of dimension b of packaging unit 5	No	Code list LengthUnits

No.	Column header (content)	Description	Mandatory	Format
106	VPE_5_Mass_C	Dimension c of packaging unit 5	No	Decimal 16,3
107	VPE_5_Einheit_Mass_C	Measuring unit of dimension c of packaging unit 5	No	Code list LengthUnits
108	VPE_5_Gewicht	Weight of packaging unit 5	No	Decimal 16,3
109	VPE_5_Einheit_Gewicht	Measuring unit of the weight of packaging unit 5	No	Code list WeightUnits
110	Loeschartikelkennzeichen	Identification of a discontinued article. Note: If true, the article is marked as deleted during processing on the master data server.	No	Boolean

3.3 Table <artikeldokumentenzuordnungen>

General usage rules for images and documents:

The specification of a data record with the media types B_, S_, U_ or V_ is mandatory for all non-discontinued articles of the article categories STD, VA, ERA.

The assignment of a dangerous goods document (media type GG) is mandatory for dangerous goods articles.

The assignment of an exploded drawing is mandatory for articles or historical products to which a spare parts list is assigned. The assignment of a data sheet document with media type DB is mandatory for articles with assigned energy efficiency class.

Die Zuordnung eines Dokumentes mit Medientyp PL (Prüfreport Lithium) ist Pflicht für alle Artikel, die im Attribut Regulations->Batteriekennzeichnung ein Kennzeichen=true (ehemals Lithium-Kennzeichen=true in artikel.csv in DQR 6) besitzen.

At the beginning of a file name of images and documents neither the manufacturer shorthand symbol (character 1-2) nor the media type (character 3-4) is a mandatory information.

No.	Column header (content)	Description	Mandatory	Format
1	Werksartikelnummer	Factory article number The article number must be included in the worksheet <artikel.csv>.	Yes	String 15
2	Dokument	Name of the document file Note: The file name must be specified in accordance with the DQG file naming convention. If there is a spare parts list for the article, the specification of at least one exploded drawing is mandatory. All exploded drawings must be consistent with the spare parts list. Note: cf. DQG, Annex 1, Ch. 9	Yes	String 35
3	Dokumententyp	Type of document	Yes	Code list DocumentType
4	Bild_Verwendung	Use of the document: web or print image Note: The specification is mandatory for image documents (B_, S_, U_, V_, MI, DT, BF, KB).	No	Code list PictureUse

5	Stellvertreterkennzeichen	The article image is representative of the article, i.e. it shows an image similar to the article. Note: The specification is mandatory for images (B_, S_, U_, V_, MI, DT, BF, KB).	No	Boolean
6	Dokument_Bezeichnung	Description of the document	No	String 40
7	Dokument_ Sortierreihenfolge	Order of the document. When displaying the documents, this is used as the sort order. Note: cf. DQG, Annex 1, Ch. 9.1	No	Integer 2

3.4 Table <artikelmasse>

No.	Column header (content)	Description	Mandatory	Format
1	Werksartikelnummer	Factory article number The article number must be included in the worksheet <artikel.csv>.	Yes	String 15
2	Massangabe	Type of net dimension (length, weight, ...) of an article. Note: Each code can only be used once per article.	Yes	Code list AllowedMeasurementUnits
3	Masswert	Dimension/weight value Note: The dimension value must generally be greater than 0.	Yes	Decimal 16,3
4	Masseinheit	Measuring unit/weight unit	Yes	Code list Units

3.5 Table <dimensionstexte>

No.	Column header (content)	Description	Mandatory	Format
1	Werksartikelnummer	Factory article number The article number must be included in the worksheet <artikel.csv>.	Yes	String 15
2	Dimensionstextzeilennummer	Consecutive row number of the dimension text row (the row number must be greater than 0) Note: A maximum of 99 dimension text rows are permitted (cf. DQG 6.0, Annex 1, Ch. 4.5)	Yes	Integer 2
3	Dimensionstextzeile	Row of the dimension text	Yes	String 40

3.6 Table <zusaetzliche_artikeltexte>

No.	Column header (content)	Description	Mandatory	Format
1	Werksartikelnummer	Factory article number The article number must be included in the worksheet <artikel.csv>.	Yes	String 15
2	Artikelkurzbeschreibung	Unambiguous article-identifying description in unformatted continuous text. Note: extended UTF 8 character set, cf. Chapter 2 Framework conditions	Yes	String 256
3	Artikelbeschreibung	Description of the technical characteristics of an article, also possible in HTML format. Note: extended UTF 8 character set, cf. Chapter 2 Framework conditions	No	String 10000
4	Vermarktungstext	User-oriented description of an article, also possible in HTML format. Note: extended UTF 8 character set, cf. Chapter 2 Framework conditions	No	String 10000
5	Verwendungshinweis	Notes on processing techniques, also possible in HTML format. Note: extended UTF 8 character set, cf. Chapter 2 Framework conditions	No	String 512

3.7 Table <artikelzubehoer>

No.	Column header (content)	Description	Mandatory	Format
1	Werksartikelnummer	Factory article number The article number must be included in the worksheet <artikel.csv>.	Yes	String 15
2	Zubehoerartikel	Article number of the accessory part. The article number must be included in the worksheet <artikel.csv>. Note: The indication must be unambiguous within an article.	Yes	String 15
3	Menge	Number of assigned articles as accessories (based on basic unit of the article).	Yes	Decimal 16,3

3.8 Table <artikelsets>

No.	Column header (content)	Description	Mandatory	Format
1	Werksartikelnummer	Factory article number The article number must be included in the worksheet <artikel.csv>.	Yes	String 15
2	Zugeordneter_Artikel	Article number of the assigned article	Yes	String 15
3	Menge	Number of assigned articles in the set (based on the basic unit of the article)	Yes	Decimal 16,3

3.9 Table <rohstoffe>

No.	Column header (content)	Description	Mandatory	Format
1	Werksartikelnummer	Factory article number The article number must be included in the worksheet <artikel.csv>.	Yes	String 15
2	Material	Raw material to which the specifications refer. Note: The specification must be unambiguous within an article.	Yes	Code list RawMaterials
3	Gewichtsbasis	Basic specification to which the weight refers	Yes	Decimal 18,4
4	Basiseinheit	Unit of the basic specification to which the specified weight refers.	Yes	Code list Units
5	Gewichtsanteil	Weight percentage of the raw material	Yes	Decimal 18,4
6	Anteileinheit	Unit of the raw material	Yes	Code list Units
7	Rohstoffnotierung	Quotation (per 100 kg) of the raw material that is already included in the price	Yes	Decimal 15,2

3.10 Table <artikelattribute>

No.	Column header (content)	Description	Mandatory	Format
1	Werksartikelnummer	Factory article number The article number must be included in the worksheet <artikel.csv>.	Yes	String 15
2	Attributsystem	<p>Specification of an attribute system to which the attribute refers. There are</p> <ul style="list-style-type: none"> • INDV (e.g. keywords) • ETIM 7 (ETIM classification) • ETIM 8 (ETIM classification) • ZVSHK (Liability Assumption Agreement of the ZVSHK) • Fees <ul style="list-style-type: none"> ○ Calibration fees • Regulations (Regulations) <ul style="list-style-type: none"> ○ ERP (information on energy efficiency classes) ○ ERP 1.15 (information on heating label) ○ ERP 2.0 (information on heating label) ○ ERP 2.1 (information on heating label) ○ ERP 2.3 (information on heating label) ○ ERP 2.5 (information on heating label) ○ UBA Positive list <ul style="list-style-type: none"> ▪ Indicator UBA Positive list (mandatory) ▪ Indicator UBA Positive requirement ○ Hazardous goods <ul style="list-style-type: none"> ▪ Indicator (mandatory) ▪ ... 	Yes	Code list AttributeSystem

Schnittstelle SHK Stammdaten Import CSV gesamt

		<ul style="list-style-type: none"> ○ REACH <ul style="list-style-type: none"> ▪ Indicator (mandatory) ▪ Date ○ Hazardous substance <ul style="list-style-type: none"> ▪ Indicator (mandatory) ▪ ... ○ Battery indicator (previous lithium indicator) <ul style="list-style-type: none"> ▪ Indicator (mandatory) ▪ Battery information ○ ECHA data base (Indicator ECHA data base) <ul style="list-style-type: none"> ▪ Indicator (mandatory) ○ Disposal <ul style="list-style-type: none"> ▪ WEEE registration number <p>Note: cf. DQG 7.0, Annex 1, Ch. 5 et seqq.</p>		
3	Attributklasse	Classification in an attribute class	No	String 60
4	Attributname	Name of the attribute	Yes	String 60
5	Attributwert	Value of the attribute	Yes	String 60
6	Attributwert2	Value 2 of the attribute	Yes	String 60
7	Attributeinheit	Unit of the attribute	No	String 60
8	Attributwertbeschreibung	Additional description of the attribute value	No	String 60

3.11 Table <gruppen>

No.	Column header (content)	Description	Mandatory	Format
1	Gruppenart	Type of group (commodity group, product group, ...) Note: The combination of group type and number must be unambiguous.	Yes	Code list GroupType
2	Gruppennummer	Group identification number (character length depends on the group type): WarengruppenID (commodity): String 3 ProduktgruppenID (product): String 10 RabattgruppenID (discount): String 4 BonusgruppenID (bonus): String 35	Yes	String 35
3	Gruppenbezeichnung	Description of the group	Yes	String 40

3.12 Table <gruppendokumentenzuordnungen>

No.	Column header (content)	Description	Mandatory	Format
1	Gruppenart	Type of group (commodity group, product group, ...) Note: The combination of group type and number must be unambiguous.	Yes	Code list GroupType
2	Gruppennummer	Group identification number (character length depends on the group type): WarengruppenID (commodity): String 3 ProduktgruppenID (product): String 10 RabattgruppenID (discount): String 4 BonusgruppenID (bonus): String 35	Yes	String 35
3	Dokument	Name of the document file Note: The file name must be specified in accordance with the DQG file naming convention. For articles with spare parts lists, an exploded drawing is mandatory.	Yes	String 35
4	Dokumententyp	Type of document	Yes	Code list DocumentType
5	Bild_Verwendung	Use of the document: Web or print image Note: The specification is only possible for image documents (B_, S_, U_, V_, MI, DT, KV, LO, LS). If no specification is made, <Druck> (print) is used as a general rule.	No	Code list PictureUse
6	Dokument_Bezeichnung	Description of the document	No	String 40
7	Dokument_Sortierreihenfolge	Defines a sequence in the document display. In downstream systems, this is used for sorting.	No	Integer 2

3.13 Table <langtexte>

No.	Column header (content)	Description	Mandatory	Format
1	Langtextnummer	Identification number of the long text Note: The combination long text number and long text row number must be unambiguous.	Yes	String 8
2	Langtextzeilennummer	Consecutive row number of the long text (the row number must be greater than 0) Note: A maximum of 99 long text rows are permitted (cf. DQG 6.0, Annex 1, Ch. 4.4)	Yes	Integer 9
3	Langtextzeile	Long text row	Yes	String 40

3.14 Table <linienpreise>

- For an article with the article type PLA (= price line article) no further pricing, such as price on request = true, factory list price, RRP, is allowed.
- The article number in line price must be contained in <article.csv>.
- For an article with the article type PLA (= price line article) at least one price line must exist.
- All price basis must be 1, 10, 100, 1000.
- All price units must be equal to the minimum selling quantity unit.
- All currency specification must be identically (EUR).
- All 6 columns of a data set in <linienpreise> are key fields. Therefore, no identical data sets are allowed.
- Different prices for the same amount in different price lines are allowed.

No.	Column titles (content)	Description	Mandatory	Format
1	Werksartikelnummer	Factory article number. The article number must be contained in <article.csv>.	Yes	string 15
2	Preislinien-Bezeichnung	Designation of the price line. This serves for identification.	Yes	string 40
3	Linienpreis	Price value	Yes	decimal 15,2
4	Währung	Currency specification for the price value.	Yes	code list currency
5	Preisbasis	Indication of quantity for the article, to which the price refers. Possible values are 1, 10, 100, 1000.	Yes	integer 9
6	Preiseinheit	Quantity unit for the article, to which the price refers, e.g. piece, set, litres, kilogram	Yes	code list units

3.15 Table <ersatzteillisten>

No.	Content	Description	Mandatory	Format
1	Listennummer	Identification number of the spare parts list	Yes	String 35
2	Zeilennummer	Consecutive row number of the spare parts list	Yes	Integer 3
3	Positionsnummer	Position number indicated on the associated exploded drawing. Note: Mandatory entry for selected row type <ETA>.	No	String 10
4	Ersatzteil	Article number of the spare part Note: Mandatory entry for selected row type <ETA>.	No	String 15
5	Preisgruppe	Note: Specification is only possible for the row type <ETA>.	No	String 5
6	Text	Spare part row description	Yes	String 35
7	Zeilenart	ETA = Spare parts row is a complete row set. ETT = Spare parts row is text only.	Yes	Code list RowSet
8	Baujahr_von	Note: Mandatory entry for row type <ETA> and article reference type <HP>	No	Datum
9	Artikelverweisart	Active article (A) or historical product (HP) Note: Mandatory entry for selected row type <ETA>.	No	Code list ArticleLinkType

3.16 Table <historische_produkte>

No.	Content	Description	Mandatory	Format
1	Historisches_Produkt	Factory article number of the historical product	Yes	String 15
2	Baujahr_von	Start of the production period	Yes	Datum
3	Baujahr_bis	End of the production period	No	Datum
4	Baujahrtext	Comment on historically relevant information about the article	No	String 35
5	Kurztext_1	Short article text 1	Yes	String 40
6	Kurztext_2	Short article text 2	No	String 40
7	GTIN	GTIN (EAN). The GTIN has to be thirteen-digit or fourteen digit.	No	GTIN
8	Warengruppen_ID	Reference to a commodity group: The group must be contained in the worksheet <gruppen.csv>.	Yes	String 3
9	Produktgruppen_ID	Reference to a product group: The group must be contained in the worksheet <gruppen.csv>.	Yes	String 10
10	Ersatzteillistennummer	Reference to a spare parts list: The spare parts list must be contained in the worksheet <ersatzteillisten.csv>.	Yes	String 35

3.17 Table <hp_dokumentenzuordnungen>

No.	Content	Description	Mandatory	Format
1	Historisches_Produkt	Factory article number of the historical product	Yes	String 15
2	Baujahr_von	Start of the production period	Yes	Datum
3	Dokument	Name of the document file	Yes	String 35
4	Dokumententyp	Type of document	Yes	Code list DocumentType
5	Bild_Verwendung	Use of the document: Web or print image Note: The specification is only possible for image documents (B_, S_, U_, V_, MI, DT, KV, LS). If no specification is made, <Druck> (print) is used as a general rule.	No	Code list PictureUse
6	Stellvertreterkennzeichen	The article image is representative of the article, i.e. it shows an image similar to the article. Note: The specification is only possible for image documents (B_, S_, U_, V_, MI, DT, KV, LS).	No	Boolean
7	Dokument_Bezeichnung	Description of the document	No	String 40
8	Dokument_Sortierreihenfolge	Defines a sequence in the document display. In downstream systems, this is used for sorting.	No	Integer 2