



## Electronic Data Interchange (EDI)

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# 1 Overview

## Definition: ,EDI'

EDI (Electronic Data Interchange) is an agreement for electronic conveyance of business transactions in which formalized / structured data are exchanged between business partners.

With formalized data it is exactly determined in which order and in which format information appear.

The advantage of EDI is that by automation and simplification of certain processes large saving potentials can be realized.

## Importance of ,EDI' for Phoenix Contact

Already in 1980 it had been the objective of Phoenix Contact to use the full benefit potential of an electronic transmission of business documents together with important customers.

For that reason we started to build up the first EDI connections,

The number of customers who afterwards were connected successively via EDI expanded year by year.

As from the middle of the nineties, the Internet achieved a degree of maturity and a dispersion that allowed to handle transactions by this means, and the advent of eBusiness seemed to replace the transmission channel EDI in the long term.

Today we know that EDI has to be seen as part of eBusiness.

Besides various customer connections almost the entire ordering within the Phoenix Contact Group runs via EDI.

Phoenix Contact pursues the objective of offering each customer the ordering channel that he considers the right one for himself.

Thus you have the choice between ordering via fax/letter/phone, via online shop or via **EDI**.

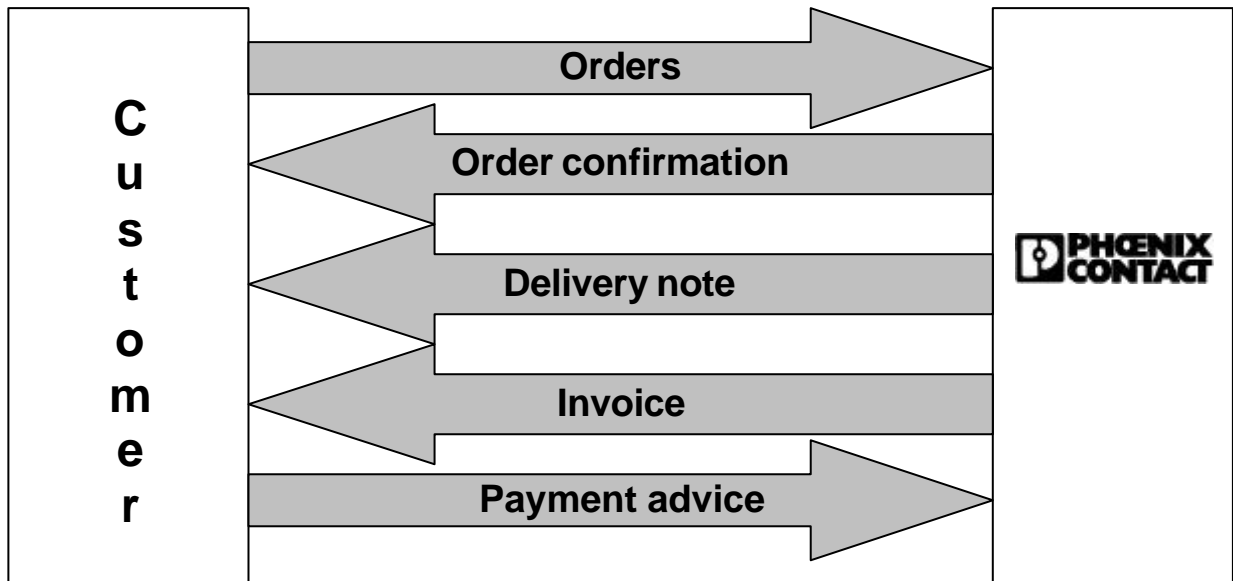
## Advantages of EDI

Operative Advantages	Strategic Advantages
<p><b><u>Cost advantages</u></b></p> <ul style="list-style-type: none"> <li>- no multiple collection of ordering data</li> <li>- Reduction of transmission costs</li> <li>- Reduction of administrative costs for collecting, distributing and filing paper documents</li> <li>- Savings in personnel costs</li> </ul> <p><b><u>Time advantages</u></b></p> <ul style="list-style-type: none"> <li>- Acceleration of inter-company information exchange (in particular with international relations)</li> <li>- Acceleration of internal processes through direct data transfer without manual collection of data</li> <li>- 24-hour availability and no time zones</li> </ul> <p><b><u>Quality advantages</u></b></p> <ul style="list-style-type: none"> <li>- no errors through manual data collection</li> <li>- data are more up-to-date</li> <li>- No language barriers and misunderstandings</li> </ul>	<p><b><u>Inhouse advantages</u></b></p> <ul style="list-style-type: none"> <li>- Reduction of inventory and herewith connected capital investment</li> <li>- Increased planning and disposition safety</li> <li>- Personnel does not need to carry out monotonous and bothersome routine work</li> <li>- Realization of new logistics and controlling concepts</li> <li>- faster order handling</li> <li>- better control of materials flow</li> </ul> <p><b><u>Intercompany advantages</u></b></p> <ul style="list-style-type: none"> <li>- Acceleration of business transaction</li> <li>- Intensify customer and/or supplier contacts</li> <li>- Compensation of location disadvantages</li> <li>- new cooperation forms for more effective cooperation</li> <li>- Offer new services</li> <li>- Acceleration of payment transactions</li> <li>- Development of electronic market forms</li> </ul>

Source: Deutsche EC/EDI Gesellschaft e.V.

## Business documents/ Types of messages

Phoenix Contact presently supports the following types of messages:



## Requirements for a well working EDI connection

- 1.) An Enterprise Resource Planning System (ERP) is used for controlling the merchandise management, capable of exporting and/or importing business data as file.  
This system serves as target and/or originating system for all business operations (ordering, order confirmation, delivery note, invoice, etc)
- 2.) Based on standard exchange formats (eg EDIFACT, ODETTE, ANSI X.12), communication services (eg ISDN, Telebox, eMail ) and protocols (z.B. OFTP, X.400)
- 3.) ‚EDI converter software‘ that is able to convert the business documents exported in data form into a standard exchange format (eg EDIFACT)
- 4.) Transmission of data via service provider or Internet  
If Internet shall be used as transmission medium an adequate encoding procedure is recommended.
- 5.) Agreement on regular master data matching between the systems to guarantee a high quality of the transmitted data.

## **Schedule for introducing an EDI connection with Phoenix Contact**

- 1.) The enclosed questionnaire serves as first information and should be filled in and sent back to Mr Geik via eMail (ebusiness@phoenixcontact.com) or fax (+ 49 - 52 35 – 34 17 38).
- 2.) Afterwards Phoenix Contact will contact the appointed contact person by phone and/or email to coordinate a date for the realization and clarify technical details.
- 3.) At the agreed date, first a master data matching shall be carried out. That means that we will either send you the data of the articles ordered by you so far (eg as an Excel list) or you send us some data from your system and we compare them with ours.
- 4.) Once all technical questions have been clarified, Phoenix Contact will arrange the EDI access. An ordering transaction will then be carried out with test data.
- 5.) After the successful test, Phoenix Contact as well as the customer jointly actuate the transmission of business documents via EDI.

## **Safety / Confidentiality**

To account for safety and confidentiality, Phoenix Contact exclusively uses reliable service providers for data transmission (eg Deutsche Post World Net or VPN).  
Transmissions via Internet (eg Mail) are either secured through PGP – coding (Pretty Good Privacy) or - in the future - so-called "Safe transmissions" (https).

## 2. Ordering process at Phoenix Contact

### Introduction

In this documentation, all rules for placing orders of different **types of articles** at Phoenix Contact are summarized, whose observance shall safeguard an optimum communication between customers and the Sales department of Phoenix Contact.

For orders that are carried out electronically (E-Mail, EDI, etc.) the observance of these guidelines is mandatory; for all other orders it is a guideline.

#### **Important note:**

**When using Phoenix Contact article numbers, order keys or EAN numbers, do not use any blank characters.**

## **Standard articles**

### **Definition:**

Articles are **standard articles**, when alone by indicating their Phoenix Contact article number, the EAN number or the customer article number can be clearly identified.

### **a) Ordering via Phoenix article number**

If the customer uses the Phoenix Contact article number when ordering a standard article, no further indications for determining this article are necessary.

### **b) Ordering via EAN number**

With 'Standard articles', the article number is sufficient for placing an order. This information is provided to the customer who wants to order via EAN number. If need be, the customer is updated by Phoenix Contact.

### **c) Ordering via customer article number**

If the customer orders with his article number, in the order position also the Phoenix Contact article number is needed.

## Marking material: Split articles

Definition:

Split articles are articles from the group 'marking material' (product catalogue 'Cipline') that differ by the possibility of labelling standard articles in various ways.

Regarding the imprint of split articles we **always** deal with 'standard markings' (horizontal and vertical) with the **print type 'Helvetica Condense Bold' and/or 'Arial'** and **maximally four digits** :

- 1.) Consecutive numbers / sequence of numbers (no decimal numbers and no negative numbers)
- 2.) Equal numbers (no decimal numbers and no negative numbers)
- 3.) Equal characters (according to the code 32 to 122 (without 58 (:)) and 47 (/))  
ASCII character set acc to ISO 8859-p1).

These characters are:

" # \$ % & ' ( ) \* + , - . ; < = > ? @ [ \ ] ^ \_ `

0 1 2 3 4 5 6 7 8 9

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

a b c d e f g h i j k l m n o p q r s t u v w x y z

When ordering split articles, the customer has to choose one of the following procedures:

- a.) Ordering by indicating the order key
- b.) via EAN number
- c.) via customer article number

### a) Ordering with Phoenix Contact order key

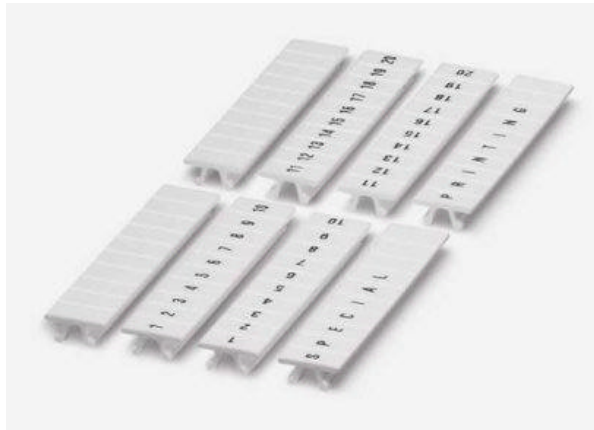
Different standard printings (split sequences) are expressed by an appendix to the 7-digit, numerical Phoenix Contact article number.

Either the colon (ASCII code 58 (:)) or the slash (ASCII code 47 (/)) can be used as a separator (for more details please see below).

The appendixes look as follows for the various split features:

**Example:**

Zack strip, printed horizontal : 10 section, with continuous numbers, colour: white (ZB 5)

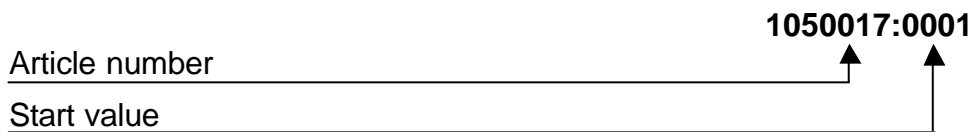


Article number 1050017 for horizontal print or 1050020 for vertical print.

**Continuous numbers:**

For sequences of numbers from 1 to 10 the order key is composed as follows:

**Please, the values always four-digit with leading zeros!**



- from 1 to 10: **1050017:0001**
- from 11 to 20: **1050017:0011**
- from 21 to 30: **1050017:0021**

**Even numbers:**

The article number in the example ZB 5 is the following: 1050033 for horizontal and 1050046 for vertical print.

- Labelling be ,1' for the whole 10 section: **1050033:0001**
- Labelling be ,2' for the whole 10 section: **1050033:0002**

**Identical characters:**

With identical characters, the symbol to be printed is indicated after the separator colon:

Labelling be ,A': **1050059:A**

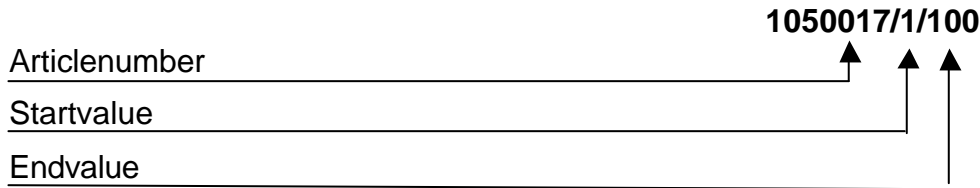
**Identical symbols:**

With identical symbols, the symbol to be printed is indicated after the separator colon:

Labelling be ,-' : **1050091:-**

**You can find all possible symbols in the catalogue CLIPLINE**

To order number sequences containing more than one strip of ten pieces, it is necessary to give a start- and an end-value for the required sequence. These start and end-values have to be separated by a slash (/). It is not necessary to enter leading zeros in the values.



Means: printing from 1 to 200: **1050017/1/200**

### b) Ordering via EAN number

The EAN number clearly describes an article. Phoenix Contact has created a clear EAN number for each common sequence of numbers.

An overview of the EAN numbers for split articles at Phoenix Contact is always provided if need be.

Please contact our Sales department and/or the eBusiness -team at [ebusiness@phoenixcontact.com](mailto:ebusiness@phoenixcontact.com).

Example:

An order of a sequence of numbers from 1 to 100 must include the following EAN numbers (EAN numbers in the example are fictitious!):

EAN number	corresponds to
4017918005048	ZB 4 (1-10)
4017918005049	ZB 4 (11-20)
4017918005050	ZB 4 (21-30)
4017918005051	ZB 4 (31-40)
4017918005052	ZB 4 (41-50)
4017918005053	ZB 4 (51-60)
4017918005054	ZB 4 (61-70)
4017918005055	ZB 4 (71-80)
4017918005056	ZB 4 (81-90)
4017918005057	ZB 4 (91-100)

### c) Ordering via customer article number

To order via your own customer article number at Phoenix Contact it is necessary that you and Phoenix Contact coordinate a cross reference list regarding the orders keys (see item a) and the customer article numbers.

This cross reference list is stored at Phoenix Contact; with every order it then provides for the conversion of the customer article number into the Phoenix Contact article number.

Example of a cross reference list:

<b>Customer article number</b>	<b>Phoenix order key</b>
A-10299939	1050017:0001
B-10299989	1050017:0011

## **Marking material: Articles with customized labelling (SO/CMS)**

**Articles with customized labelling** include all articles from 'marking materials' (product catalog 'Cipline'), whose labelling does not fit in the before mentioned criteria for split articles.

The same applies to standard labelling in other print types than 'Helvetica Condense Bold' and/or 'Arial' as well as combinations of various standard labelling (eg numbers and letters together on one strip)

Your article description always ends in 'SO/CMS'.

These articles can be ordered, when a text which describes the printing is given with the order line. Therefore Phoenix Contact and the customer have to confirm a field where this text is transferred.

## Version articles

### Definition:

Version articles are all articles that can only be clearly identified by indicating their **feature specifications**.

The articles are listed in Appendix B.

### a) Ordering is done via Phoenix Contact order key

The order key for versions is composed of the article number and the feature specifications.

**Article number / feature spec1 / feature spec 2 /.../ feature spec N**

**Example1: ordering an MCR-PT100-I-DC**  
**Phoenix article number: 2810337**



A MCR-T-UI-E – article has the following features:

<u>Feature option</u>	<u>Description</u>
3	3-conductor
TR05	0...100 °C
OUT02	4...20 mA
NONE	No plant calibration certificate

The order key, for instance, looks as follows:

**2810337/3/TR05/OUT02/NONE**

**Example 2: Ordering a pre-assembled remote bus cable for underground runs  
3 x 2 x 0,22 mm<sup>2</sup>  
Phoenix article number: 2740164 IBS RBC/E-T/**



An IBS RBC/E-T/ - article has the following features :

- 1.) Length of cable [m]
- 2.) RBC-Assembly:

<u>Feature option</u>	<u>Description</u>
C00	No RBC-Assembly
C01	DSUB 9 PIN / DSUB 9 SOCKET
C03	IP65-PIN / DSUB 9 SOCKET
C04	DSUB 9 PIN / open End
C05	open End / DSUB 9 SOCKET
C06	IP65-PIN / IP65-SOCKET
C09	DSUB 9 PIN / DSUB15 SOCKET
C10	DSUB15 SOCKET / DSUB 9 SOCKET
C11	DSUB 9 PIN / IP65-SOCKET 90°
C12	IP65-PIN 90° / DSUB 9 SOCKET
C13	IP65-PIN 90° / IP65-SOCKET 90°
C14	DSUB 9 PIN / DSUB25 SOCKET
C15	DSUB25 PIN / DSUB 9 SOCKET
C16	DSUB25 PIN / open End
C17	open End / DSUB25 SOCKET
C18	IP65-PIN / DSUB25 SOCKET
C19	DSUB 9 PIN / ferrule
C20	ferrule / DSUB 9 SOCKET
C27	DSUB 9 PIN / IP65-SOCKET
C56	IP65-PIN / open End
C59	open End / IP65-SOCKET

The order key looks as follows for a cable of 2 meters with a DSUB 25 and a DSUB 9 male connector:

2740164/2/C15

A table listing which article has which feature specification is maintained by Phoenix Contact and provided if need be.

## 3. Description of messages (EDIFACT)

### Introduction

EDIFACT (= **E**lectronic **D**ata **I**nterchange for **A**dministration, **C**ommerce and **T**ransport) is an international standard in which all data structures are defined that cover the whole communication area of a company.

EDIFACT is used across industries, is hardware and network independent, flexible and built up according to a modular system.

Which available components are used in which concrete case can only be decided by the partners involved.

To facilitate the practical application, EDIFACT subsets were defined tailored to the needs of the user groups. Subsets have the task to limit the authorized possibility of how a message to be exchanged has to look like so that the clear communication of the partners is guaranteed.

Thus EDI has to be designed as easy as possible, ie few fields and only the most important information.

To achieve advantages at Phoenix Contact as well as the customer it is useful to realize on both sides at least one incoming and outgoing information.

Within the transmission of data in the EDIFACT format we prefer the telebox service X.400 of the German Telekom for safety reasons.

Only in exceptional cases orders via eMail are accepted.

Please only transfer data Phoenix Contact once you have got in touch with us.

## General information

X400 address for EDI messages:

C	=	DE
A	=	viaT
S	=	Phoenix Contact
0	=	ABTEILUNG-IO
CN	=	Phoenix Contact
OU1	=	Netze

DUNS: 31-597-0970

International Location Number (ILN): 4017918000004

eMail address for EDI messages: [edi@phoenixcontact.com](mailto:edi@phoenixcontact.com)

Used messages:

ORDERS  
ORDRSP  
INVOIC

Other message types on request.

## a) Message type ORDERS

Identifier Identification code	Segment name/Segment group Data element/Group name	Content	Conversion instructions	Status M=Must / O=Opt	Format
UNA	Field separator standard	:+.'?		M	an6
Segment status: Must Example: UNA:+.'? The field separator standard indicates how the decimal separator is placed, etc.					
UNB S001	Syntax identifier	+UNOC	character set „C“ is valid	M	a3
	Syntax identification code	:3		M	a4
S002	Syntax version number			M	n1
	Sender of the transmission data file	+	ILN-/DUNS-/customer-Nr/free text	M	an..35
	Sender description	:	14 = given by EAN	O	an..4
	Coding of sender description		1= DUNS-Nr		
S003	Receiver of transmission data file	+	91= C-Nr at Phoenix Contact	M	an..35
	Description of receiver	:	4017918000004	O	an..4
	Coding of receiver description	:	14 = ILN-Nr. Phoenix	O	an..14
S004	Forwarding address	+	eg subsidiaries	M	n6
	Date/Time of creation	:		M	n4
0020	Date of creation	+		M	an..14
0032	Time of creation	+	JJMMTT, eg: 010926	O	an..35
0035	Data exchange reference	+	HHMM, eg: 1200	O	n1
	Exchange agreement		Reference number EANCOM=EANCOM-Subset Test = 1 otherwise 0 or empty		
Segment status: Must Example: UNB+UNOC:3+Sender description:14+4017918000004:14+010926:1200+1+EANCOM+1' The UNB segment mainly serves for communicating the sender, receiver and the creation of the message.					

UNH 0062	Message head segment Message reference number	+1	Message reference number, current No of messages in the data exchange	M M	an..14
S009	Message identification code			M	
0065	Identification code of message type	+ORDERS	Order	M	an..6
0052	Version number of message type	:D		M	an..3
0054	Release number of message type	:96B	= EDIFACT list D.96B	M	an..3
0051	Organisation in charge coded	:UN	= UNSM (United Nations Standard Messages)	M	an..2
0057	Organisation in charge, coded	:EAN008	= EAN Version number	O	an..6
Segment status: Must Example: UNH+1+ORDERS:D:96B:UN:EAN008' The UNH segment serves for opening, identifying and specifying a message					
BGM C002	Start of message Name of document/message			M M	
1001	Type of document, coded	+220	220 = order 221= call-off purchase order	M	an..3
1004	Number of document/message	+1234567	Customer order number, clear	M	an..10
Segment status: Must Example: BGM+220+1234567' The BGM segment serves for indicating the type and function of a message and for transmitting the identification number					
DTM C507	Date indication			M	
2005	Qualifier	+137	137 = order date 2= requested delivery date	1/ 2	an..3
2380	Date indication	:20011001		M	an..35
2379	Format of date indication	:102	= Format is JJJJMMTT	M M M	an..3

Segment status: Must  
 Example: DTM+137:20011001:102'  
 The DTM segment serves for indicating a date and/or time.

Identifier Identification code	Segment name/Segment group Data element/Group name	Content	Conversion instructions	Status M=Must / O=Opt	Format
RFF C506	Reference indications			O M M	
1153	Reference indications, coded	+	VC =Skeleton agreement number at Phoenix	M	an..3
1154	Reference number	:	Skeleton agreement number	M	an..10

Segment status: optional  
 Example: RFF+VC:1234567'  
 The RFF segment serves for indicating a reference

RFF C506	Reference indications			O M M	
1153	Reference indications, coded	+	AEP = Project number at Phoenix	M	an..3
1154	Reference number	:	Project number	M	an..10

Segment status: optional  
 Example: RFF+AEP:67  
 The RFF segment serves for indicating a reference

FTX 4451	Free text Text allocation, coded	+	MKS = Marking texts, customized	O M	an..3
4453 C107	Processing indication, coded Text reference	+		O M	an..3
4441 C108	Free text, coded Text	+		O M	an..3
4440	Free text	+	Text indication	O1/1	an..70

Segment status: optional  
 Example: FTX+MKS+++this is a marking text  
 The FTX segment serves for indicating free texts.

NAD 3035	Name and address Involved, Qualifier	+	BY=buyer DP=delivery address SU=supplier	M1/3 M	an..3
C082 3039	Identification	+	ILN-NR, Customer number a Phoenix (indication delivery address in uncoded text)	O	an..13
1131 3055	Code list, Qualifier Responsible for coding maintenance	:		O O	an..3 an..3
C058 3124	Name and address in uncoded text recipient participant name	+	9 = EAN 91= Phoenix Conact is mandatory only with deviating delivery address	O M O	an..35
C080 3036 3036 3036 3036		+	Name1 Name2 Name3 Name4	O O O O	an..30 an..30 an..30 an..30
C059 3042	Indication on street Street	+		M O	an..30
3164	City	+			an..30
3229	Part of country/district/county	+			an..9
3251	Postal code	+			an..8
3207	Indication on country code	+			an..3

Segment status: Must  
 Example: NAD+BY+ILN Number customer::9'  
 or NAD+DP+++Name1:Name2:Name3:Name4+Street+city++PC+Country code'  
 The NAD segment serves of indicating the identification of the partner

CTA 3139 C056	Contact information Contact information, coded Details on the contact partner	+	PD = Purchase department	O O	an..3
3413 3412	Contact partner, coded Name of contact partner	+	Department Name of person	O O	an..35 an..3

Segment status: optional  
 Example: CTA+PD+Department+Name of person'  
 The CTA segment serves for indicating a department or a contact person.

Identifier Identification code	Segment name/Segment group Data element/Group name	content	Conversion instructions	Status M=Must / O=Opt	Format
COM C076  3148 3155	Communication information Indications on communication Contact number Contact number, coded	+ :	Telephone number TE = Telephone number	O M M M	an..24 an..3
Segment status: optional Example: COM+Telephone number:TE' The COM segment serves for indicating communication channels.					
COM C076  3148 3155	Communication information Indication on communication Contact number Contact number, coded	+ :	Telefax number FX = Fax number	O M M M	an..24 an..3
Segment status: optional Example: COM+Telefax number:FX' The COM segment serves for indicating communication channels					
LIN 1082 1229 C212  7140 7143	Position data Position number Message, coded Goods number Product number Product number, type ,coded	+1 +  +1234567 :	current number of position   Product number or feature EN =EAN VP= assigned by Phoenix Contact	M 1/999 O O M M O	n..6 an..3  an..35 an..3
Segment status: Must Example: LIN+1++EAN Number::EN' or LIN+1++Phoenix Article number:VP' Das LIN segment serves for indicating a position.					
PIA 4347 C212  7140 7143 1131 3055	Additional product data Additional product data, coded Goods number, identification Product Number Product Number, type ,coded Code list, coded Administration	+1  +1234567 :BP : :92	1=additional information  Customer code number BP=administrated by customer  92= administrated by customer	O M M M O O O	an..3  an..35 an..3 an..3 an..3
Segment status: optional Example: PIA+1+Article number customer:BP::92' The PIA segment serves for indicating additional position indications of the customer					
IMD 7077 7081 C273  7009 1131 3055 7008 7008	Product description Product description, coded Product charateristic, coded Product description Product description, identification Code list, coded Administrative list, coded Product description, text Product description, Text	+F +  + : : : : :	F=free text      Article definition1 Article definition2	O O O O O O O O	an..3 an..3  an..17 an..3 an..3 an..35 an..35
Segment status: optional Example: IMD+F+:::Article description The IMD segment serves for describing the product in free or agreed form					
QTY C186  6063 6060 6411	Quantity indication QUANTITY, Qualifier QUANTITY Measurement unit, Qualifier	+21 : :	21 = ordered quantity  acc to ISO standard PCE=piece MTR=Meter ...	M M M M M	an..3 n..13 an..3
Segment status: optional Example: QTY+21+:12:PCE' The QTY segment serves for indicating quantities					

Identifier Identification code	Segment name/Segment group Data element/Group name	Content	Conversion indications	Status M=Must / O=Opt	Format
DTM C507	Date indication			M 1/2	
2005	Qualifier	+2	2 = requested delivery date	M	an..3
2380	Date indication	:20011001	20011001= Format is JJJJMMTT	M	an..35
2379	Format of date indication	:102		M	an..3
Segment status: optional Example: DTM+2:20011001:102' The DTM segment serves for indicating a date and/or time. It contains the requested delivery date of the customer from the order.					
UNS 0081	Section control segment Section identification code, coded	+S	S=separation of position and total part	M M	a1
Segment status: Must Example: UNS+S' The UNS segment serves for separating the position part from the total part.					
UNT 0074	Message end segment Number of segments in one message	+	12=12 segments in one message	M M	n..6
0062	Message reference number	+	Reference number as in UNH-Seg.	M	an..14
Segment status: Must Example: UNT+1+1' The UNT segment serves for ending a message and checking it for its completeness					
UNZ 0036	User data end segment Data exchange counter	+	Number of messages	M M	n..6
0020	Data exchange reference	+		M	an..14
Segment status: Must Example: UNZ+1+1' The UNZ segment serves for summing up several messages .					

## b) Type of message ORDRSP for order confirmation

Identifier Identification code	Segment name/Segment group Data element/Group name	Content	Conversion instructions	Status M=Must / O=Opt	Format
UNA	Field separator standard	:+.'?		M	an6
Segment status: Must Example: UNA:+.'? The field separator standard determines how the decimal separator is placed, etc					
UNB S001	Syntax identifier	+UNOC	character set „C“ is valid	M	a3
	Syntax identification code	:3		M	a4
S002	Syntax version number			M	n1
	Sender of transmission data file	+	ILN-/DUNS-/Customer	M	an..35
	Sender definition	:	Nr/Free text	O	an..4
	Coding of sender definition		14 = assigned by EAN 1= DUNS- Nr		
S003	Receiver of transmission data file	+	91= Customer Nr at Phoenix Contact	M	an..35
	Receiver definition	:	4017918000004	O	an..4
	Coding of receiver definition	:	14 = ILN-Nr. Phoenix	O	an..14
S004	Forwarding address	+	eg subsidiaries	M	n6
	Date/time of creation	:		M	n4
0020	Date of creation	+		M	an..14
0032	Time of creation	+	JJMMTT, eg: 010926	O	an..35
0035	Date exchange reference	+	HHMM, eg: 1200	O	n1
	Exchange agreement		Reference Number EANCOM=EANCOM- Subset Test = 1 otherwise 0 or empty		
Segment status: Must Example: UNB+UNOC:3+sender definition :14+4017918000004:14+010926:1200+1+EANCOM+1' The UNB segment serves mainly for communicating the sender, receiver and the creation of the message					

UNH 0062	Message head segment Message reference number	+1	Message reference number, current Nr of the message in the data exchange	M M	an..14
S009	Message identification code			M	
	0065 Identification code of the message type	+ORDRSP	Order confirmation	M	an..6
	0052 Version number of the message type	:D		M	an..3
	0054 Release number of the message type	:96B	= EDIFACT register D.96B	M	an..3
	0051 Organisation in charge coded	:UN	= UNSM (United Nations Standard Messages)	M	an..2
	0057 Organisation in charge, coded	:EAN008	= EAN Version number	O	an..6
Segment status: Must Example: UNH+1+ORDRSP:D:96B:UN:EAN008' The UNH segment serves for opening, identifying and specifying a message					
BGM C002	Start of message Name of document/message			M M	
	1001 Type of document, coded	+220	231 = Order answer	M	an..3
	1004 Number of document/message	+1234567	Phoenix order confirmation number	M	an..10
Segment status: Must Example: BGM+221+1234567 The BGM segment serves for indicating the type and function of a message and for transmitting an identification number					
DTM C507	Date indication			M 1/2 M	
	2005 Qualifier	+137	137 = order answer date	M	an..3
	2380 Date indication	:20011001	= Format is JJJMMTT	M	an..35
	2379 Format of date indication	:102		M	an..3
Segment status: Must Example: DTM+137:20011001:102' The DTM segment serves for indicating a date and/or time					

Identifier Identification code	Segment name/Segment group Date element/Group name	Content	Conversion indications	Status M=Must / O=Opt	Format
RFF C506	Reference indications			M	
1153	Reference indications, coded	+	ON = order number at customer	M	an..3
1154	Reference number	:	order number at customer	M	an..10
Segment status: Must Example: RFF+ON:1234567' The RFF segment serves for indicating a reference.					
DTM C507	Date indication			M 1/2	
2005	Qualifier	+137	171 = order date	M	an..3
2380	Date indication	:20011001	= Format is JJJMMTT	M	an..35
2379	Format of date indication	:102		M	an..3
Segment status: Must Example: DTM+171:20011001:102' The DTM segment serves for indicating a date and/or time It refers to the RFF+ON-Segment.					
RFF C506	Reference indications			O	
1153	Reference indications, coded	+	VC = Skeleton agreement number at Phoenix	M	an..3
1154	Reference number	:	Skeleton agreement number	M	an..10
Segment status: optional Example: RFF+VC:1234567' The RFF segment serves for indicating a reference .					
RFF C506	Reference indications			O	
1153	Reference indications, coded	+	AEP = Project number at Phoenix	M	an..3
1154	Reference number	:	Project number	M	an..10
Segment status: optional Example: RFF+AEP:67' The RFF segment serves for indicating a reference.					
FTX 4451	Free text Text allocation, coded	+	MKS = Marking texts, customized	O	an..3
4453	Processing indication, coded	+		O	an..3
C107	Text reference			M	
4441	Free text, coded	+		O	an..3
C108	Text			M	
4440	Free text	+	Text indication	O1/1	an..70
Segment status: optional Example: FTX+MKS+++this is a marking text' The FTX segment serves for indicating free texts.					
NAD 3035	Name and address Involved, qualifier	+	BY=Buyer DP=Delivery address SU=Supplier	M1/3	an..3
C082	Identifications	+	ILN-NR, Customer number at Phoenix	O	an..13
1131	Code list, Qualifier	:	(Indication delivery address with uncoded text)	O	an..3
3055	Responsibility for code maintenance	:		O	an..3
C058	Name and address in uncoded text		9 = EAN 91= Phoenix Contact	O	
3124	recipient	+	Is mandatory only in case of deviating delivery address.	M	an..35
C080	Name of participant			O	
3036		+		M	an..30
3036		:		O	an..30
3036		:	Name1	O	an..30
3036		:	Name2	O	an..30
C059	Indications on street		Name3	O	
3042	Street	+	Name4	M	an..30
3164	City	+		O	an..30
3229	Region/District/County	+			an..9
3251	Postal code	+			an..8
3207	Indications on county code	+			an..3
acc to ISO country code					
Segment status: Must Example: NAD+BY+ILN-Number-customer::9' With delivery address:: NAD+DP+++Name1:Name2:Name3:Name4+Street+City++PC+Country code' The NAD segment serves for indicating the identification of a partner.					

Identifier Identification code	Segment name/Segment group Date element/Group name	Content	Conversion indications	Status M=Must / O=Opt	Format
CTA 3139 C056	Contact information Contact information, coded	+	PD = Purchase department	O	an..3
3413 3412	Details on contact partner Contact partner, coded Name of contact partner	+ +	Department Name of person	O O	an..35 an..3
Segment status: optional Example: CTA+PD+Department+Name of person' The CTA segment serves for indicating a department or a contact person.					
COM C076	Communication information Indications on communication			O M	
3148 3155	Contact number Contact number, coded	+ :	Telephone number TE = Telephone number	M M	an..24 an..3
Segment status: optional Example: COM+Telephone number:TE' The COM segment serves for indicating communication channels.					
COM C076	Communication information Indication on communication			O M	
3148 3155	Contact number Contact number, coded	+ :	Telefax number FX = Fax number	M M	an..24 an..3
Segment status: optional Example: COM+Telefax Number:FX' The COM segment serves for indicating communication channels.					
CUX C504	Currency Indications on currency			M M	
6347 6345	Type of currency, coded Currency	+2 :	2 = Reference currency DEM = DM EUR = Euro	M M	an..3 an..3
6343	Currency	: 9	9 = Currency of order	M	an..3
Segment status: Must Example: CUX+2:DEM:9' The CUX segment serves for indicating the currency.					
LIN 1082 1229	Position data Position number Message, coded	+1 +	current number of position 3 = changed 5 = Accepted without change	M 1/999 O O	n..6 an..3
C212 7140 7143	Goods number Product number Product number, type ,coded	+1234567 : :	Product number EN =EAN VP= assigned by Phoenix Contact	M M O	an..35 an..3
Segment status: Must Example: LIN+1++EAN number::EN' or LIN+1++Phoenix-Article number:VP' the LIN segment serves for indicating a position.					
PIA 4347 C212	Additional product data Additional product data, coded Goods number, Identification	+1	1=Additional information	O M M	an..3
7140 7143 1131 3055	Product number Product number, type ,coded Code list, coded Administration	+1234567 :BP : :92	Customer item number BP=administrated by customer 92= administrated by customer	M O O O	an..35 an..3 an..3 an..3
Segment status: optional Example: PIA+1+Article number customer:BP::92' The PIA segment serves for indicating additional position indications of the customer.					
IMD 7077 7081 C273	Product description Product description, coded Product charateristic, coded Product description	+F +	F=Free text	O O O	an..3 an..3
7009 1131 3055 7008 7008	Product description, identification Code list, coded Administrative list, coded Product description, Text Product description, Text	+ : : : :	Article description1 Article description2	O O O O O	an..17 an..3 an..3 an..35 an..35
Segment status: optional Example: IMD+F+:::Article description' The IMD segment serves for describing the product in free or agreed form					

Identifier Identification code	Segment name/Segment group Data element/Group name	Content	Conversion indications	Status M=Must / O=Opt	Format
QTY C186  6063 6060 6411	Quantity indication QUANTITY, Qualifier QUANTITY Measurement unit, Qualifier	+21 : :	21 =ordered quantity  acc to ISO standard PCE=piece MTR=Meter ...	M M M M	an..3 n..13 an..3
Segment status: optional Example: QTY+21+:12:PCE' The QTY segment serves for indicating quantities.					
QTY C186  6063 6060 6411	Quantity indication QUANTITY, Qualifier QUANTITY Measurement unit, Qualifier	+ : :	113 = confirmed QUANTITY  acc to ISO standard PCE=piece MTR=Meter ...	M M M M	an..3 n..13 an..3
Segment status: optional Example: QTY+113+:12:PCE' The QTY-Segment serves for indicating quantities.					
DTM C507  2005 2380 2379	Date indication  Qualifier Date indication Format of date indication	+2 :20011001 :102	2 = requested delivery date 20011001= Format is JJJJMMTT	M 1/2 M M M	an..3 an..35 an..3
Segment status: optional Example: DTM+2:20011001:102' The DTM segment serves for indicating a date and/or time. It contains the requested delivery date of the customer from the order					
DTM C507  2005 2380 2379	Date indication  Qualifier Date indication Format of date indication	+69 :20011001 :102	69 = confirmed delivery date = Format is JJJJMMTT	M 1/2 M M M	an..3 an..35 an..3
Segment status: optional Example: DTM+69:20011001:102' The DTM segment serves for indicating a date and/or time. It refers to the RFF+ON segment.					
UNS 0081	Section control segment Section identification code, coded	+S	S=Separation of position and total	M M	a1
Segment status: Must Example: UNS+S' The UNS Segment serves for separating the position from total					
UNT 0074  0062	Message end segment Number of segment in one message Message reference number	+12  +	12 = 12 Segments in one message  Reference number as in the UNH Seg.	M M M	n..6  an..14
Segment status: Must Example: UNT+12+1' The UNT segment serves for ending a message and checking it for its completeness					
UNZ 0036 0020	User data end segment Data exchange counter Data exchange reference	+ +	Number of messages	M M M	n..6 an..14
Segment status: Must Example: UNZ+1+1' The UNZ segment serves for summarizing several messages.					

### c) Type of message INVOIC for invoices

Identifier Identification code	Segment name/Segment group Date element/Group name	Content	Conversion indications	Status M=Must / O=Opt	Format
UNA	Field separator standard	:+.'?		M	an6
Segment status: Must Example: UNA:+.'?' The field separator standard determines how the decimal separator is positioned, etc.					
UNB S001	Syntax identifier	+UNOC	charachter set „C“ is valid	M	a3
	Syntax identification code	:3		M	a4
S002	Syntax version number			M	n1
	Sender of transmission data file	+	ILN-/DUNS-/Customer Nr/Free text	M	an..35
	Sender description	:	14 = assigned by EAN, 1= DUNS Nr	O	an..4
	Coding of sender description				
S003	Receiver of transmission data file	+	91= Customer Nr at Phoenix Contact	M	an..35
	Receiver description	:		O	an..4
	Coding of receiver description	:	4017918000004		
	Forwarding address	:	14 = ILN Nr. Phoenix	O	an..14
S004	Date/time of creation	+	eg. subsidiaries	M	n6
	Date of creation	:		M	n4
0020	Time of creation	+	JJMMTT, eg: 010926	M	an..14
0032	Data exchange reference	+	HHMM, eg: 1200	O	an..35
0035	Exchange agreement	+	Reference number EANCOM=EANCOM-Subset Test = 1 otherwise 0 or empty	O	n1
Segment status: Must Example: UNB+UNOC:3+sender description:14+4017918000004:14+010926:1200+1+EANCOM+1' The UNB segment mainly serves for communicating the sender, the receiver and the creation of the message					

UNH 0062	Message head segment Message reference number	+1	Message reference number, current Nr of messages in the data exchange	M M	an..14
S009	Message identification code			M	
0065	Identification code of the tpye of message	+INVOIC	Order confirmation	M	an..6
0052	Version number of the type of message	:D		M	an..3
0054	Release number of the type of message	:96A	= EDIFACT register D.96B	M	an..3
0051	Organisation in charge	:UN	= UNSM (United Nations Standard Messages)	M	an..2
0057	Organisation in charge, coded	:EAN008	= EAN Version number	O	an..6

Segment status: Must  
 Example: UNH+1+ORDRSP:D:96B:UN:EAN008'  
 The UNH segment serves for opening, identifying and specifying a message

BGM C002	Begin of message Name of documents/message Type of document, coded	+380	380 = Invoice 381 = Credit Phoenix invoice number	M M M	an..3
1004	Number of document /message	+1234567		M	an..10

Segment status: Must  
 Example: BGM+380+1234567'  
 The BGM segment serves for indicating the type and function of a message and for transmitting the identification number

DTM C507	Date indication			M 1/2	
2005	Qualifier	+137	137 = Date of invoice	M	an..3
2380	Date indication	:20011001		M	an..35
2379	Format of the Date indication	:102	102 = Format is JJJMMTT	M	an..3

Segment status: Must  
 Example: DTM+137:20011001:102'  
 The DTM segment serves for indicating a date and/or time.

Identifier Identification code	Segment name/Segment group Date element/Group name	Content	Conversion indications	Status M=Must / O=Opt	Format
RFF C506	Reference indications			M	
1153	Reference indications, coded	+	ON = Order number at customer	M	an..3
1154	Reference number	:	Order number at customer	M	an..10
Segment status: optional Example: RFF+ON:1234567' The RFF segment serves for indicating a reference.					
DTM C507	Date indication			M	
2005	Qualifier	+137	171 = Order date	M	an..3
2380	Date indication	:20011001		M	an..35
2379	Format of date indication	:102	102 = Format is JJJMMTT	M	an..3
Segment status: Must Example: DTM+171:20011001:102' The DTM segment serves for indicating a date and/or time. It refers to the RFF+ON segment.					
RFF C506	Reference indications			O	
1153	Reference indications, coded	+	DQ = Delivery note number	M	an..3
1154	Reference number	:	Delivery note number	M	an..10
Segment status: optional Example: RFF+DQ:1234567' The RFF segment serves for indicating a reference. It is only filled in when there is only one delivery note for an order.					
DTM C507	Date indication			M 1/2	
2005	Qualifier	+137	171 = delivery note date	M	an..3
2380	Date indication	:20011001		M	an..35
2379	Format of the date indication	:102	102= Format is JJJMMTT	M	an..3
Segment status: Must Example: DTM+171:20011001:102' The DTM segment serves for indicating a date and/or time. It refers to the RFF+DQ segment.					
NAD 3035	Name and address Involved, Qualifier	+	BY = Buyer IV = Receiver of invoice DP = Delivery address SU = Supplier	M1/3	an..3
C082	Identification	+		O	an..13
3039			ILN-NR, Customer Number at Phoenix	O	an..3
1131	Code list, Qualifier	:	(indication of delivery address in uncoded text)	O	an..3
3055	Responsible for code maintenance	:		O	
C058	Name and address in uncoded text			O	
3124	Receiver	+	9 = EAN	M	an..35
C080	Name of participant	+	91= Phoenix Contact Is mandatory only with deviating delivery address.	O	an..30
3036		+		M	an..30
3036		:		O	an..30
3036		:		O	an..30
3036		:		O	an..30
C059	Indications on street		Name1	O	
3164	Street	+	Name2	M	an..30
3229	City	+	Name3	O	an..30
3251	Region/District/County	+	Name4	O	an..9
3251	Postal code	+			an..8
3207	Indications on country code	+			an..3
acc to ISO country code					
Segment status: Must Example: NAD+BY+ILN-Number Customer::9' With delivery address:: NAD+DP+++Name1:Name2:Name3:Name4+Street+City++Postal code+country code' The NAD segment serves for indicating the identification of a partner.					

Identifier Identification code	Segment name/Segment group Date element/Group name	Content	Conversion indications	Status M=Must / O=Opt	Format
RFF C506  1153 1154	Reference indications  Reference indications, coded Reference number	 + :	 VA = UST-ID Sales tax-ID	 O M M M	  an..3 an..10
Segment status: optional Example: RFF+VA:1234567' The RFF segment serves for indicating a reference. It refers to the NAD segment.					
CUX C504  6347 6345  6343	Currency Indications on currency Type of currency, coded Currency  Currency	 +2 : : 9	 2 = Reference currency DEM = DM EUR = Euro 4 = Currency of invoice	 M M M M	  an..3 an..3 an..3
Segment status: Must Example: CUX+2:DEM:4' The CUX segment serves for indicating the currency.					
PAT 4279	Payment conditions Payment conditions, coded	+3 :	3 = Fixed date	O M	an..3
Segment status: optional Example: PAT+3' The PAT segment serves for indicating the payment conditions.					
DTM C507  2005 2380 2379	Date indication  Qualifier Date indication Format of date indication	 +12 :20011001 :102	 12 = Due date for deduction  102= Format is JJJMMTT	 M M M M	  an..3 an..35 an..3
Segment status: Must Example: DTM+12:20011001:102' The DTM segment serves for indicating a date and/or time. It refers to the PAT segment and indicates the date until which it is allowed to draw a payment discount .					
PCD C501  5245 5482 5249	Percentage Detailed indications on percentage Detailed indications, coded Percentage Percentage, coded	 +12 :10 :	 12=deduction 10 = 10 % deduction 13 = on invoice value	 M M M K	  an..3 n..10 an..3
Segment status: Must Example: PCD+12:10:13' The PCD segment serves for indicating the percentage deduction; it refers to the PAT-Segment.					
PAT 4279	Payment conditions Payment conditions, coded	+3 :	3 = Field date	O M	an..3
Segment status: optional Example: PAT+3' The PAT segment serves for indicating payment conditions.					
DTM C507  2005 2380 2379	Date indication  Qualifier Date indication Format of date indication	 +13 :20011001 :102	 13 = Payable without deduction  102= Format is JJJMMTT	 M M M M	  an..3 an..35 an..3
Segment status: Must Example: DTM+13:20011001:102'T The DTM segment serves for indicating a date and/or time. It refers to the PAT segment and indicates the date until which the amount must be paid without deduction					
TOD 4055 C100  4053 4052	Delivery and transport conditions, coded Conditions, coded Indications on delivery conditions delivery conditions, coded delivery conditions	 +6 +CFR :	 6 = delivery conditions  CFR = Cost and freight Uncoded text	 O M M M	  an..3 an..3 an..36
Segment status: optional Example: TOD+6+CFR:Free domicile incl. packing' The TOD segment serves for indicating the delivery and transport conditions.					

Identifier Identification code	Segment name/Segment group Date element/Group name	Content	Conversion indications	Status M=Must / O=Opt	Format
ALC 5463 1227 C214 7161	Surcharge/deductions Surcharges, deductions, coded calculation level, coded Special indications Special indications, coded	+A +1 +RAA	A=deduction 1 = first calculation level RAA = final discount	O M O O O	an..3 an..3 an..3
Segment status: optional Example: ALC+A+++1+RAA' The ALC segment serves for indicating surcharges and/or deductions; here deduction					
PCD C501 5254 5482	Percentage indications detailed Percentage indications Percentage indications, coded Percentage indications	+1 :	1=deduction Percentage	O O O O	an..3 n..10
Segment status: Must Example: PCD+1:5' The PCD segment serves for indicating the percentage on the ALC segment.					
MOA C516 5025 5004	Amount indications Indications on amounts Indications on the amount, coded Amount indication	+8 :	8=surcharge/deduction Amount indication of the deductions	O O O O	an..3 n..10
Segment status: Must Example: MOA+8+12.50' The MOA segment serves for indicating amounts; it refers to the ALC segment.					
ALC 5463 C214 7161	Surcharges/Deductions Surcharges, Deductions, coded Special indications Special indications, coded	+C +PC	C=surcharge PC= package	O M O O	an..3 an..3
Segment status: optional Example: ALC+C++++PC' The ALC segment serves for indicating surcharges and/or deductions; here surcharge					
MOA C516 5025 5004	Amount indication Indication on amounts Indications on amounts, coded Indication on amount	+8 :	8= Surcharge/deduction Amount indication of surcharges	O O O O	an..3 n..10
Segment status: Must Example: MOA+8+12.50' The MOA segment serves for indicating amounts; it refers to the ALC segment.					
ALC 5463 C214 7161	Surcharges/Deductions Surcharges, Deductions, coded Special indications Special indications, coded	+C +ADK	C=surcharge ADK = delivery cost	O M O O	an..3 an..3
Segment status: optional Example: ALC+C++++ADK' The ALC segment serves for indicating surcharges and/or deductions; here surcharge					
MOA C516 5025 5004	Amount indication Indication on amount Indications on the amounts, coded Indication on amount	+8 :	8= surcharge/deduction Indication on amount of surcharges	O O O O	an..3 n..10
Segment status: Must Example: MOA+8+12.50' The MOA segment serves for indicating amounts; it refers to the ALC segment.					
ALC 5463 C214 7161	Surcharges/Deductions Surcharges, deductions, coded Special indications Special indications, coded	+C +FC	C=surcharge FC = Freight costs	O M O O	an..3 an..3
Segment status: optional Example: ALC+C++++FC' The ALC segment serves for indicating surcharges and/or deductions; here surcharge					
MOA C516 5025 5004	Indication on amount Indication on amounts Indications on the amounts, coded Indication on amount	+8 :	8= surcharge/deduction Indication on amount of surcharges	O O O O	an..3 n..10
Segment status: Must Example: MOA+8+12.50' The MOA segment serves for indicating amounts; it refers to the ALC segment.					
ALC 5463 C214 7161	Surcharges/Deductions Surcharges, Deductions, coded Special indications Special indications, coded	+C +MAC	C=surcharge MAC = Processing surcharge	O M O O	an..3 an..3
Segment status: optional Example: ALC+C++++MAC' The ALC segment serves for indicating surcharges, deductions; here surcharge					

Identifier Identification code	Segment name/Segment group Date element/Group name	Content	Conversion indications	Status M=Must / O=Opt	Format
MOA C516 5025 5004	Indication on amount Indication on amounts Indications on amounts, coded Indication on amount	+8 :	8= surcharge/deduction Indication on amount of surcharges	O O O O	an..3 n..10
Segment status: Must Example: MOA+8+12.50' The MOA segment serves for indicating amounts; it refers to the ALC segment.					
LIN 1082 1229 C212 7140 7143	Position data Position number Message, coded Goods number Product number Product number, type ,coded	+1 + +1234567 :	current Number of position 3 = changed Product number or characteristic EN =EAN VP=assigned by Phoenix Contact	M 1/999 O O M M O	n..6 an..3 an..35 an..3
Segment status: Must Example: LIN+1++EAN-Number::EN' or LIN+1++Phoenix-Article Number:VP' The LIN segment serves for indicating a position.					
PIA 4347 C212 7140 7143	Additional product data Additional product data, coded Goods number, identification Product number Product number, type ,coded	+1 +1234567 :BP	1=Additional information Customer reference number BP=administered by customer	O M M M O	an..3 an..35 an..3
Segment status: optional Example: PIA+1+Article number customer:BP::92' The PIA segment serves for indicating additional position indications of the customer.					
PIA 4347 C212 7140 7143	Additional product data Additional product data, coded Goods number, identification Product number Product number, type,coded	+1 +2 :IN	1=Additional information Customer position number IN=Customer position number	O M M M O	an..3 an..35 an..3
Segment status: optional Example: PIA+1+Customer position number:IN' The PIA segment serves for indicating additional position indications of the customer'					
PIA 4347 C212 7140 7143	Additional product data Additional product data, coded Goods number, identification Product number Product number, type ,coded	+5 +100506 :SA	5=Product information Article number SA=Supplier article number	O M M M O	an..3 an..35 an..3
Segment status: optional Example: PIA+5+Supplier item number:SA' The PIA segment serves for indicating the Phoenix article number.					
IMD 7077 C273 7008 7008	Product description Product description, coded Product description Product description, part1 Product description, part2	+F +Text1 :Text2	F=Free text Article description by Phoenix Article description by Phoenix	O M M M O	an..3 an..35 an..35
Segment status: optional Example: IMD+F+Text1:Text2' The IMD segment serves for indicating the article description.					
QTY C186 6063 6060 6411	Quantity indication QUANTITY, Qualifier QUANTITY Measurement unit, Qualifier	+ : :	47 =calculated QUANTITY acc to ISO standard PCE=piece MTR=Meter ...	M M M M M	an..3 n..13 an..3
Segment status: optional Example: QTY+47+:12:PCE' The QTY segment serves for indicating the quantity.					
FTX 4451 C108 4440	Free text Free text, coded Free text indications Free text	+ACB +Text	ACB=additional information Preferences	O M O	an..3 an..17
Segment status: optional Example: FTX+ACB+Text' The FTX segment contains the preferences on the article.					

Identifier Identification code	Segment name/Segment group Date element/Group name	Content	Conversion indications	Status M=Must / O=Opt	Format
RFF C506  1153 1154	Reference indications  Reference indications, coded Reference number	 + :	 DQ = Delivery note number Delivery note number	 O M M M	  an..3 an..10
Segment status: Kann Example: RFF+DQ:1234567' The RFF segment serves for indicating a reference. The RFF segment is only filled in if there are several delivery notes for an order.					
PRI C509  5125 5118 5284	Price indications  Price indication, coded Price Price unit	 +AAB : :	 AAB = Gross price Gross price Gross price unit	 O M O O O	  an..3 n..15 n..9
Segment status: Kann Example: PRI+AAB:2345.23:100' The PRI segment serves for indicating a price. It contains the gross price at position level.					
ALC 5463 1227 C214  7161	Surcharges/Deductions Surcharges, Deductions, coded Calculation level, coded Special indications Special indications, coded	 +A +1 : +RAA	 A=deduction  RAA = final discount	 O M O O O	  an..3 an..3 an..3
Segment status: Kann Example: ALC+A+++1+RAA' The ALC segment serves for indicating surcharges and/or deductions; here deduction at position level					
PCD C501  5254 5482	Percentage indications detailed percentage indications Percentage indications, coded Percentage indications	  +1 :	  1=deduction Percentage	 O O O O	  an..3 n..10
Segment status: Must Example: PCD+1:5' The PCD segment serves for indicating percentages on the ALC segment.					
MOA C516  5025 5004	Amount indication Indication on amounts Indications amounts, coded Indication on amount	  +8 :	  8=surcharge/deduction Indication on amount of deductions	 O O O O	  an..3 n..10
Segment status: Must Example: MOA+8+12.50' The MOA segment serves for indicating amounts; it refers to the ALC segment.					
UNS 0081	Section control segment Section identification code, coded	+S :	S=Separation of position and total identification code	M M	a1
Segment status: Must Example: UNS+S' The UNS segment serves for separating the position part from total.					
MOA C516  5025 5004	Amount indication Indications on amount Indications on amounts, coded Indication on amount	 +79 :	 79=total sum of positions Indication on amount	 M O O O	  an..3 n..10
Segment status: Must Example: MOA+79+1250' The MOA segment serves for indicating amounts; here gross value of positions.					
MOA C516  5025 5004	Indication on amount Indication on amounts Indications on the amounts, coded Indication on amount	 +176 :	 176=VAT of positions Indication on amount	 M O O O	  an..3 n..10
Segment status: Must Example: MOA+176+201' The MOA segment serves for indicating amounts; here VAT of positions.					
MOA C516  5025 5004	Indication on amounts Indication on amount Indications on the amounts, coded Indication on amount	 +86 :	 86=Net value of positions Indication on amount	 M O O O	  an..3 n..10
Segment status: Must Example: MOA+86+1113' The MOA segment serves for indicating amounts; here net value of positions.					

Identifier Identification code	Segment name/Segment group Date element/Group name	Content	Conversion indications	Status M=Must / O=Opt	Format
MOA C516 5025 5004	Indication on amount Indication on amounts Indications on the amounts, coded Indication on the amount	+125 :	125=taxable amount Indication on amount	M O O O	an..3 n..10
Segment status: Must Example: MOA+125+1250' The MOA segment serves for indicating amounts; here taxable amount of positions.					
TAX 5283 C241 5153 C243 5025 5305	Indications on fees and taxes Funcion of indications, coded Type of tax Type of tax, coded Value of tax Tax, coded	+7 +VAT + +S	7 = Tax VAT = Value Added Tax VAT amount S = Standard value	M O O O O O	an..3 an..3 n..17 an..3
Segment status: Must Example: TAX+7+VAT+123+S' The MOA segment serves for indicating amounts; here gross value of positions					
UNT 0074 0062	Message end segment Number of segments in one message Message reference number	+ +	12=12 Segments in one message Reference number as in the UNH- Seg.	M M M	n..6 an..14
Segment status: Must Example: UNT+12+1' The UNT segment serves for ending a message and checking it for completeness					
UNZ 0036 0020	User data end segment Data exchange counter Data exchange reference	+ +	Number of messages	M M M	n..6 an..14
Segment status: Must Example: UNZ+1+1' The UNZ segment serves for summarizing several messages.					

## 4. Message description (CSV format)

Besides the above mentioned EDIFACT format Phoenix Contact also accepts orders that are first registered in a table calculation software (example Microsoft Excel) and then stored as ASCII data file in the so-called CSV format. Thereby one field always corresponds to one column that exists even if it is not filled in.

The field separator in this case is the semicolon.

Field Nr.	Field name	Content	Status M=Must / O=Opt	Format
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### Head data

1	Clear message reference number		M	an..35
2	Identification of sender	DUNS number or customer Nr. at Phoenix Contact	M	an..35
3	Identification of receiver	PHXBL for Phoenix Contact in Blomberg, PHXLUE for Phoenix Feinbau in Lüdenscheidt, PHXBP for Phoenix Electronics in Bad Pyrmont	M	an..35
4	Type of message	ORDERS for orders	M	an..6
5	Order number of customer		O	an..35
6	Ordering date		O	an..35
7	Customer number at Phoenix Contact		M	an..35
8	Company name of customer		O	an..35

### Optional address data

9	Country	ISO Codes	O	an..3
10	Company name		O	an..35
11	Name 2		O	an..30
12	Street		O	an..30
13	Postal code		O	an..10
14	City		O	an..30

### Optional Order head text

15	Order head text		O	an..255
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### Ordering position data

16	Ordering position number of customer		O	an..6
17	Project number		O	an..6
18	Skeleton agreement number		O	an..8
19	Phoenix Contact article number / EAN Code		O	an..30
20	Phoenix Contact Order key		O	an..35
21	Customer article number		O	an..35
22	Article description		O	an..35
23	Order quantity		M	an..15
24	Requested delivery date		O	an..35
25	Order position text		O	an..255

## Annex A: Glossary

### **ANSI (American National Standards Institute)**

→ North American Standards institute and representative in the ISO, responsible, among others, for ANSI X.12, New York.

**ANSI X.12** → A standard approved by the American National Standards Institute (ANSI) for transmitting business data based on a standard structure and syntax. This transmission standard is mainly applied in the USA.

**Clearing Center** → A center in which clearing services are rendered.

**Clearing Service** → Offers service accesses as well as other services, eg services like the addition of data, the conversion into a receiver-dependent form/structure or central regulation services. Some Clearing Centers, that are exclusively used within an industry sector, also maintain article master files/numbers and thus can also offer article number matchings within trade messages.

**Datex-P** → Special package data network of Telekom AG which only transmits data.

### **EAN (European Article Number)**

→ The European Article Number serves for quickly identifying and registering articles in the different trading steps. It is mostly shown in addition as bar code for the better machine registration. This barcode is read with the help of scanners and transmitted to a computer. The 13-digit barcode is composed as follows:

Two digit country code,  
five digit company number of the producer,  
five digit article number and  
a check digit.

Besides the EC states, a total of 48 countries have joined this type of standard. Among them also Japan and USA.

### **EAN (International Article Numbering Association)**

→ (before: European) Article Number; an article number system for the consumer good economy and related industry sectors that can be applied via barcode; Pan European user group(PEG), Brussels.

**EANCOM (EAN-Communication)** → Subsets from UN/EDIFACT of the consumer good economy.

**EDIFACT** → 'Electronic Data Interchange For Administration, Commerce and Transport' is an international standard promoted by the UN for the electronic exchange of commercial data in standardized formats for the usual business transactions, like orders, invoices, delivery notes, etc.

### **ITU (International Telecommunication Union)**

**Mailbox** → Part of a network service (VAN), where data are buffer stored for the subsequent transmission to the receiver. The use of mail boxes in the area of the structured data exchange (EDI) is rather common in relation with not time-critical contents

### **MHS-System (Message Handling Service)**

→ Service at X.400; consists acc to X.400 usually of several components of the type MTA and UA.

### **Message type**

→ A defined, structured set of segments that cover the requirements of a certain business transaction (eg: invoice) [ISO 9735].

### **Description of message type**

→ The textual description of an EDIFACT message type including the tabular segment overview according to the stipulated layout standards

**ODETTE** → 'Organisation for Data Exchange through Teletransmission in Europe' is a message type provided for EDI in the European automotive industry and their suppliers based on the EDIFACT syntax.

Source: Deutsche EC/EDI Gesellschaft e.V.

**OSI (Open Systems Interconnection)**

→ Standard for the communication of open systems.

**PGP** → Pretty Good Privacy; Software for coding data with a symmetrical coding procedure. PGP was developed as freeware, but in the meantime was taken over by Network Associates, besides Symantec one of the two large suppliers of cryptographic software

**Separator sign** → A sign for the syntactic separation of data [ISO 9735].

**Standard separator (Service string advice)** →

A string at the beginning of a transmission data file that defines the separators and other signs with special function described in the syntax [ISO 9735]. The standard separator either stands explicitly at the beginning of a transmission data file (UNA) or follows implicitly from the set of signs indicated (in UNB).

**UN/EDIFACT** → The regulations of the UN for the electronic data exchange in administration, economy and transportation. It comprises a series of internationally agreed standards, registrations and guidelines regarding the electronic data exchange of structured data between independent information systems, mainly for the trade of goods and services.

The regulations that are recommended within the UN are approved by the UN/ECE and published in the manual of the trade message exchange of the United Nations (UNTDID) and maintained according to the agreed procedure.

**VAN (Value Added Network Service)**

→ Works first like a letter box; VAN's provide additional services, eg information services

**VDA (Association of Automotive Industry)**

→ The VDA creates own message types for the Germany automotive industry that are especially tailored towards the user. An international communication like eg with EDIFACT is not possible.

**Coding** → Coding is a technology with which a normal text (uncoded text) is brought into a form that differs strongly from the normal text by using a cryptographic algorithm, so that it cannot be converted back into an uncoded text just like that. For decoding, the same algorithm is needed. With coding, we can differentiate between a symmetrical and asymmetrical procedure. They are mostly used in combination to safeguard a safe and fast data exchange. Decisive for the quality are coding algorithm and key length.

**WAN** → Wide Area Network: Connects computers and data processors of a company or organisation that lie apart geographically; is often replaced by Intranet technology.

**X.25** → Protocol standardized by ITU for the levels 1 to 3 according to the OSI reference model for data exchange on data networks that transmit packages. (DATEX-P).

**X.400** → Standard of ITU for Message Handling Service Systems (see MHS system); transmission protocol adequate for EDI.

**X.435** → Recommendation for covering EDI specific requirements in the further development of X.400.

**X.500** → Standard of ITU for Directory Services for users of a X.400 network.

**X12** → US ANSI (ASC) Standard for EDI.

**XML (eXtensible Markup Language)**

→ is a subset from SGML (Standard Generalized Markup Language) and allows the transmission of structured documents and their further processing

**ZVEI** → Zentralverband Elektrotechnik- und Elektronikindustrie e. V., Frankfurt; Develops own format (ZVEI format) for transmitting article master data between the electro industry and electrical equipment wholesale trade

Source: Deutsche EC/EDI Gesellschaft e.V.

## Annex B: List of version articles

Article No.	Name
3202575	A/F CM/CM
5021110	A/U CM
5022889	AP 2 CM
5022876	AP 3 CM
2712914	BT 2
2712972	BT 20 H
2738001	BT 22
2738516	BT 35 N
2712943	BT 8
2302421	CABLE D-SUB-B-B-S/.../.../...
2302340	CABLE D-SUB-S/.../.../...
2302434	CABLE D-SUB-S-S-S/.../.../...
2304681	CABLE-D25SUB/B/2X14/TU812/...
2302706	CABLE-D37-M2,5-4X14-X81-I/...
2302696	CABLE-D37-M2,5-4X14-Y81P-O/...
2302845	CABLE-FCN24-2X14-OMR-IN/...
2302858	CABLE-FCN24-2X14-OMR-OUT/...
2302816	CABLE-FCN40-4X14-OMR-IN/...
2302832	CABLE-FCN40-4X14-OMR-OUT/...
2853624	CT 66 PROFIL CM
2853611	DT 49 PROFIL CM
2744843	FL CAT5 FLEX CONF/
2744827	FL CAT5 HEAVY CONF/
2295693	FLK 14-16-EZ-DR-HF-S7/...
2304830	FLK 14-20-EZ-DR-DV-SOE/...
2304416	FLK 16-14-DV-IN/...
2304377	FLK 16-14-DV-OUT/...
2304335	FLK 16-24-DV-AI-EZ-DR/...
2304487	FLK 20-2FLK 14-EZ-DR/...
2296540	FLK 20-EZ-DR-OE/...
2295855	FLK 40-EZ-DR-RVS-OE/...
2304966	FLK 50-2FLK20-EZ-DR-DV/...
2302683	FLK 50-EZ-DR-D37SUB-X81-I/...
2302625	FLK 50-EZ-DR-D37SUB-Y81P-O/...

Article No.	Name
2302803	FLK 50-EZ-DR-FCN40-OMR-IN/...
2302829	FLK 50-EZ-DR-FCN40-OMR-OUT/...
2295059	FLK EZ-DR.../.../...
2295046	FLK EZ-DR-S.../.../...
2302405	FLK50-4X14-EZ-DR ...
2302447	FLK50-4X14-EZ-DR-S ...
2734086	IBS CABLE/CDIO/
2746951	IBS CHIP -MUSTER/...
2819435	IBS FP 24 IO SRC-OPC BERKER
2819448	IBS FP 24 IO SRC-OPC GIRA
2819451	IBS FP 24 IO SRC-OPC JUNG
2740216	IBS INBC/
2740232	IBS INBC/E/
2740229	IBS INBC/S/
2740164	IBS RBC/E-T/
2740151	IBS RBC/F-T/
2740148	IBS RBC-T/
2819956	IBS RL CABLE POF/
2814058	MCR-CLP-UI-I-4
2810887	MCR-C-UI-UI-450-DCI
2810913	MCR-C-UI-UI-DCI
2864969	MCR-C-UI-UI-DCI-SOKS
2814854	MCR-FL-C-UI-2UI-DCI
2810353	MCR-PT100-I
2810337	MCR-PT100-I-DC
2810340	MCR-PT100-U
2810311	MCR-PT100-U-DC
2814647	MCR-S-10-50-UI-DCI
2814663	MCR-S-10-50-UI-SW-DCI
2814634	MCR-S-1-5-UI-DCI
2814650	MCR-S-1-5-UI-SW-DCI
2814883	MCR-SL-PT100-I-DC-24
2814964	MCR-SL-PT100-I-DC-24-NC
2814870	MCR-SL-PT100-U-DC-24

Article No.	Name
2814977	MCR-SL-PT100-U-DC-24-NC
2810544	MCR-TE-J-K-I
2810528	MCR-TE-JK-I-E
2810531	MCR-TE-JK-U
2810515	MCR-TE-JK-U-E
2814090	MCR-T-UI
2814113	MCR-T-UI-E
2864435	MINI MCR-SL-PT100-UI
2864736	MINI MCR-SL-PT100-UI-SP
2864448	MINI MCR-SL-TC-UI
2864794	MINI MCR-SL-UI-2I
2864804	MINI MCR-SL-UI-2I-SP
2864383	MINI MCR-SL-UI-UI
2864710	MINI MCR-SL-UI-UI-SP
1208102	NS 15 PERFORATED/...
1208089	NS 15 UNPERFORATED/...
1208092	NS 15 UNPERFORATED/SO/...
1208173	NS 32 UNPERFORATED/...
1208186	NS 32 UNPERFORATED/SO/...
1208160	NS 35/15 PERFORATED/...
1208144	NS 35/15 UNPERFORATED/...
1208157	NS 35/15 UNPERFORATED/SO/...
1208131	NS 35/7,5 PERFORATED/...
1208115	NS 35/7,5 UNPERFORATED/...
1208128	NS 35/7,5 UNPERFORATED/SO/...
2835066	PI-EX-RTD-I
2835079	PI-EX-THC-I
2835231	PI-EX-UI-UI-AI-NI
2835244	PI-EX-UI-UI-AO-NI
2835859	PI-N-UI-UI-AI
2835671	PI-N-UI-UI-AO
2744911	PSM-LWL/GDM-RUGGED
2744911	PSM-LWL/GDM-RUGGED
2744924	PSM-LWL/GDO

Article No.	Name
2744940	PSM-LWL/HCSO
2744937	PSM-LWL/HCS-RUGGED
2744966	PSM-LWL/KDHEAVY
2744953	PSM-LWL/KDL
2744979	PSM-LWL/RUGGED
2744982	PSM-LWL-RUGGED-FLEX
1511491	SAC-2P-910/...
1697603	SAC-3P-M 8FR/.../...
1697616	SAC-3P-M 8FR-2L/.../...
1521805	SAC-3P-M 8FR-SH/.../...
1697580	SAC-3P-M 8FS/.../...
1521753	SAC-3P-M 8FS-SH/.../...
1697551	SAC-3P-M 8MR/.../...
1697674	SAC-3P-M 8MR-M 8FR/.../...
1697687	SAC-3P-M 8MR-M 8FR-2L/.../...
1697661	SAC-3P-M 8MR-M 8FS/.../...
1697739	SAC-3P-M 8MR-M12FR/.../...
1697742	SAC-3P-M 8MR-M12FR-2L/.../...
1697726	SAC-3P-M 8MR-M12FS/.../...
1521708	SAC-3P-M 8MR-SH/.../...
1697548	SAC-3P-M 8MS/.../...
1697645	SAC-3P-M 8MS-M 8FR/.../...
1697658	SAC-3P-M 8MS-M 8FR-2L/.../...
1513952	SAC-3P-M 8MS-M 8FR-2LN/.../...
1697632	SAC-3P-M 8MS-M 8FS/.../...
1697700	SAC-3P-M 8MS-M12FR/.../...
1697713	SAC-3P-M 8MS-M12FR-2L/.../...
1697690	SAC-3P-M 8MS-M12FS/.../...
1514197	SAC-3P-M 8MS-M12FS-2L/.../...
1521656	SAC-3P-M 8MS-SH/.../...
1697629	SAC-3P-M 8SIFR/.../...
1513402	SAC-3P-M 8SIFR-2L/.../...
1697593	SAC-3P-M 8SIFS/.../...
1696727	SAC-3P-M12FR B/.../...

Article No.	Name	Article No.	Name
1697454	SAC-3P-M12FR SH/.../...	1697412	SAC-3P-M12Y-2XM 8FR-2L/.../...
1696714	SAC-3P-M12FR/.../...	1697399	SAC-3P-M12Y-2XM 8FS/.../...
1696730	SAC-3P-M12FR-2L/.../...	1697373	SAC-3P-M12Y-2XM12FR B/.../...
1696743	SAC-3P-M12FR-2LB/.../...	1506419	SAC-3P-M12Y-2XM12FR/.../...
1696691	SAC-3P-M12FS B/.../...	1697386	SAC-3P-M12Y-2XM12FR-2LB/.../...
1697441	SAC-3P-M12FS SH/.../...	1697360	SAC-3P-M12Y-2XM12FS B/.../...
1696688	SAC-3P-M12FS/.../...	1699766	SAC-3P-M12Y-2XM12FS/.../...
1696701	SAC-3P-M12FS-2L/.../...	1523531	SAC-3P-MR SCO/.../...
1697438	SAC-3P-M12MR SH/.../...	1523719	SAC-3P-MR SH-SCO/.../...
1696675	SAC-3P-M12MR/.../...	1523557	SAC-3P-MR-FS SCO/.../...
1696905	SAC-3P-M12MR-M 8FR/.../...	1523515	SAC-3P-MS SCO/.../...
1696918	SAC-3P-M12MR-M 8FR-2L/.../...	1523706	SAC-3P-MS SH-SCO/.../...
1696895	SAC-3P-M12MR-M 8FS/.../...	1523751	SAC-3P-MS-FR SH-SCO/.../...
1696824	SAC-3P-M12MR-M12FR B/.../...	1523544	SAC-3P-MS-FS SCO/.../...
1513318	SAC-3P-M12MR-M12FR/.../...	1523748	SAC-3P-MS-FS SH-SCO/.../...
1696837	SAC-3P-M12MR-M12FR-2LB/.../...	1696934	SAC-3PQ-M8FR/.../...
1696811	SAC-3P-M12MR-M12FS B/.../...	1696921	SAC-3PQ-M8FS/.../...
1513428	SAC-3P-M12MR-M12FS/.../...	1524242	SAC-3P-Y-2XSCO/.../...
1524763	SAC-3P-M12MR-M12FS-2L/.../...	1506859	SAC-4P-..-PUR TP
1697425	SAC-3P-M12MS SH/.../...	1500321	SAC-4P-..-PVC TP
1696662	SAC-3P-M12MS/.../...	1511679	SAC-4P-186/0,75/...
1696866	SAC-3P-M12MS-M 8FR/.../...	1697784	SAC-4P-M 8FR/.../...
1696879	SAC-3P-M12MS-M 8FR-2L/.../...	1517673	SAC-4P-M 8FR-2L/.../...
1696840	SAC-3P-M12MS-M 8FS/.../...	1522008	SAC-4P-M 8FR-SH/.../...
1515675	SAC-3P-M12MS-M 8SIFR-2L/.../	1697771	SAC-4P-M 8FS/.../...
1696853	SAC-3P-M12MS-M 8SIFS/.../...	1521957	SAC-4P-M 8FS-SH/.../...
1696785	SAC-3P-M12MS-M12FR B/.../...	1697768	SAC-4P-M 8MR/.../...
1696772	SAC-3P-M12MS-M12FR/.../...	1697823	SAC-4P-M 8MR-M 8FR/.../...
1696798	SAC-3P-M12MS-M12FR-2L/.../...	1697810	SAC-4P-M 8MR-M 8FS/.../...
1696808	SAC-3P-M12MS-M12FR-2LB/.../...	1697836	SAC-4P-M 8MR-M12FR/.../...
1696769	SAC-3P-M12MS-M12FS B/.../...	1521902	SAC-4P-M 8MR-SH/.../...
1696756	SAC-3P-M12MS-M12FS/.../...	1697755	SAC-4P-M 8MS/.../...
1511802	SAC-3P-M12MS-M12FS-2L/.../...	1697807	SAC-4P-M 8MS-M 8FR/.../...
1697357	SAC-3P-M12Y-2X/.../...	1697797	SAC-4P-M 8MS-M 8FS/.../...
1697409	SAC-3P-M12Y-2XM 8FR/.../...	1511718	SAC-4P-M 8MS-M12FR/.../...

Article No.	Name	Article No.	Name
1506697	SAC-4P-M 8MS-M12FS/.../...	1523816	SAC-4P-MS-FR SH-SCO/.../...
1521850	SAC-4P-M 8MS-SH/.../...	1523586	SAC-4P-MS-FS SCO/.../...
1513392	SAC-4P-M 8SIFR/.../...	1523803	SAC-4P-MS-FS SH-SCO/.../...
1511954	SAC-4P-M 8SIFR-2L/.../...	1521232	SAC-5P-901/...
1513389	SAC-4P-M 8SIFS/.../...	1511504	SAC-5P-920/...
1697496	SAC-4P-M12FR SH/.../...	1697535	SAC-5P-M12FR SH/.../...
1696989	SAC-4P-M12FR/.../...	1697124	SAC-5P-M12FR/.../...
1506561	SAC-4P-M12FR-2L/.../...	1697137	SAC-5P-M12FR-3L/.../...
1696992	SAC-4P-M12FR-3L/.../...	1697522	SAC-5P-M12FS SH/.../...
1511666	SAC-4P-M12FR-M12FR/PVC-SO/...	1697111	SAC-5P-M12FS/.../...
1697483	SAC-4P-M12FS SH/.../...	1514980	SAC-5P-M12FS-M12FS/.../...
1696963	SAC-4P-M12FS/.../...	1697519	SAC-5P-M12MR SH/.../...
1696976	SAC-4P-M12FS-2L/.../...	1697108	SAC-5P-M12MR/.../...
1697470	SAC-4P-M12MR SH/.../...	1529506	SAC-5P-M12MR-M12FR/.../...
1696950	SAC-4P-M12MR/.../...	1508734	SAC-5P-M12MR-M12FS/.../...
1507874	SAC-4P-M12MR-M 8FS/.../...	1697506	SAC-5P-M12MS SH/.../...
1697043	SAC-4P-M12MR-M12FR/.../...	1697098	SAC-5P-M12MS/.../...
1514922	SAC-4P-M12MR-M12FR-2L/.../...	1697153	SAC-5P-M12MS-M12FR/.../...
1697056	SAC-4P-M12MR-M12FR-3L/.../...	1697166	SAC-5P-M12MS-M12FR-3L/.../...
1697030	SAC-4P-M12MR-M12FS/.../...	1697140	SAC-5P-M12MS-M12FS/.../...
1697467	SAC-4P-M12MS SH/.../...	1523612	SAC-5P-MR SCO/.../...
1696947	SAC-4P-M12MS/.../...	1523832	SAC-5P-MR SH-SCO/.../...
1697085	SAC-4P-M12MS-M 8FR/.../...	1523638	SAC-5P-MR-FS SCO/.../...
1515031	SAC-4P-M12MS-M 8FR-2L/.../...	1523609	SAC-5P-MS SCO/.../...
1697072	SAC-4P-M12MS-M 8FS/.../...	1523829	SAC-5P-MS SH-SCO/.../...
1697014	SAC-4P-M12MS-M12FR/.../...	1523874	SAC-5P-MS-FR SH-SCO/.../...
1511653	SAC-4P-M12MS-M12FR/PVC-SO/...	1523625	SAC-5P-MS-FS SCO/.../...
1507829	SAC-4P-M12MS-M12FR-2L/.../...	1523861	SAC-5P-MS-FS SH-SCO/.../...
1697027	SAC-4P-M12MS-M12FR-3L/.../...	1522286	SAC-6P-M 8FR/.../...
1697001	SAC-4P-M12MS-M12FS/.../...	1522480	SAC-6P-M 8FR-SH/.../...
1523573	SAC-4P-MR SCO/.../...	1522231	SAC-6P-M 8FS/.../...
1523777	SAC-4P-MR SH-SCO/.../...	1522435	SAC-6P-M 8FS-SH/.../...
1523599	SAC-4P-MR-FS SCO/.../...	1522189	SAC-6P-M 8MR/.../...
1523560	SAC-4P-MS SCO/.../...	1522383	SAC-6P-M 8MR-SH/.../...
1523764	SAC-4P-MS SH-SCO/.../...	1522134	SAC-6P-M 8MS/.../...

Article No.	Name	Article No.	Name
1522338	SAC-6P-M 8MS-SH/.../...	1695126	SACB 6- 6 L PUR/
1520987	SAC-6P-M12FR-PURMC/	1516920	SACB 6- 6 L SCO PUR/
1523670	SAC-8P-FR SCO/.../...	1503205	SACB 6- 6 PUR/
1523913	SAC-8P-FR SH-SCO/.../...	1695155	SACB 6-12 L PUR/
1523667	SAC-8P-FS SCO/.../...	1516933	SACB 6-12 L SCO PUR/
1523900	SAC-8P-FS SH-SCO/.../...	1516140	SACB 6-3 L M8 PUR/
1522956	SAC-8P-M12FR SH/.../...	1503234	SACB 6Q-4P L GY PUR/
1522668	SAC-8P-M12FR/.../...	1695184	SACB 8- 8 L PUR/
1520990	SAC-8P-M12FR-PURMC/	1516946	SACB 8- 8 L SCO PUR/
1522901	SAC-8P-M12FS SH/.../...	1503218	SACB 8- 8 PUR/
1522613	SAC-8P-M12FS/.../...	1695210	SACB 8-16 L PUR/
1522859	SAC-8P-M12MR SH/.../...	1516959	SACB 8-16 L SCO PUR/
1522587	SAC-8P-M12MR/.../...	1515879	SACB 8-16 PUR/
1522804	SAC-8P-M12MS SH/.../...	1516153	SACB 8-3 L M8 PUR/
1522532	SAC-8P-M12MS/.../...	1516179	SACB 8-4 L M8 PUR/
1523052	SAC-8P-M12MS-M12FR SH/.../...	1503247	SACB 8Q-4P L GY PUR/
1522765	SAC-8P-M12MS-M12FR/.../...	1695304	SACB 8Q-4P L PUR/
1523007	SAC-8P-M12MS-M12FS SH/.../...	1695249	SACB-4Q/4P L PUR/
1522710	SAC-8P-M12MS-M12FS/.../...	1695278	SACB-6Q/4P L PUR/
1523654	SAC-8P-MR SCO/.../...	1516409	SACB-C-H180 10-3 M8 PUR/
1523890	SAC-8P-MR SH-SCO/.../...	1698123	SACB-C-H180 4- 4 PUR/
1523641	SAC-8P-MS SCO/.../...	1516658	SACB-C-H180 4- 4 SCO PUR/
1523887	SAC-8P-MS SH-SCO/.../...	1698149	SACB-C-H180 4- 8 PUR/
1523696	SAC-8P-MS-FR SCO/.../...	1516661	SACB-C-H180 4- 8 SCO PUR/
1523939	SAC-8P-MS-FR SH-SCO/.../...	1516373	SACB-C-H180 4-3 M8 PUR/
1523683	SAC-8P-MS-FS SCO/.../...	1695689	SACB-C-H180 6- 6 PUR/
1523926	SAC-8P-MS-FS SH-SCO/.../...	1516674	SACB-C-H180 6- 6 SCO PUR/
1516166	SACB 10-3 L M8 PUR/	1698165	SACB-C-H180 6-12 PUR/
1695061	SACB 4- 4 L PUR/	1516687	SACB-C-H180 6-12 SCO PUR/
1516904	SACB 4- 4 L SCO PUR/	1516386	SACB-C-H180 6-3 M8 PUR/
1695090	SACB 4- 8 L PUR/	1698181	SACB-C-H180 8- 8 PUR/
1516917	SACB 4- 8 L SCO PUR/	1516690	SACB-C-H180 8- 8 SCO PUR/
1516137	SACB 4-3 L M8 PUR/	1698204	SACB-C-H180 8-16 PUR/
1503483	SACB 4-8 PUR/	1516700	SACB-C-H180 8-16 SCO PUR/
1503221	SACB 4Q-4P L GY PUR/	1516399	SACB-C-H180 8-3 M8 PUR/

Article No.	Name
2738121	TP 30 C
2738723	TP 35 NC
2738671	TRM 5008
2738639	TRM 5008 TC
2738684	TRM 5012
2738736	TRM 5012 TC
2738697	TRM 5015
2738833	TRM 5015 TC
2854898	UM 108-A/U CM
2952020	UM -PROFIL
2909455	UM122-A/U92
2853310	UM-A/U 73-HT CM
2854885	UM-A/U CM
2706852	UM-A/U N 73 CM
2975942	UMK- PROFIL CM
1654730	VS-CAT5-4X2X26 AWG/19-S
1652101	VS-CAT5-F-4X2X26 AWG
1653184	VS-CAT6-4X2X23 AWG/1
1653171	VS-CAT6-4X2X26 AWG/7
1653058	VS-CAT7-2X2X26/7-2X20/7
1689349	VS-RJ45-CONF
1654727	VS-SCRJ CONF
811024	ZBF-U
810779	ZBF-U:SO/CMS
811011	ZB-U
810766	ZB-U:SO/CMS

## Annex C: Questionnaire

For installing the EDI connection we would like to ask you to answer the following questions:

General information		
Name of Organisation:		
Your Customer Number at Phoenix Contact:		
Does your organisation form part of a group or cooperation ?	Yes <input type="checkbox"/> No <input type="checkbox"/>	If yes, of which? _____

Contact Information:		
Name:		
Address 1:		
Address 2:		
City:	Country:	Postal code:
Homepage :		
Telephone:	Fax:	

Technical Contact Person (EDP department)		
Name:		
Address 1:		
Address 2:		
City:	Country:	Postal code:
Telephone:	Fax:	mobile phone:
Email address :		

### Commercial contact person (purchase department)

Name:

Address 1:

Address 2:

City:

Country:

Postal code:

Telephone:

Fax:

Mobile phone:

Email address :

### eBusiness

Besides Phoenix, do you also take part in other ebusiness initiatives ?

Yes  No

If Yes, which type ?

- EDI  
 eProcurement  
 eShop  
 others

Do you use an external Service Provider for supporting your eBusiness applications ?

Yes  No

If Yes, which ?

\_\_\_\_\_

Do you presently communicate with customers or suppliers electronically?

Yes  No

If Yes, which method ?

\_\_\_\_\_

Do you have a connection to a VAN (Value Added Network), eg GEIS net ?

Yes  No

If Yes, which ?

\_\_\_\_\_

Do you use an Enterprise Resource Planning (ERP) system?

Yes  No

If Yes, which ?

\_\_\_\_\_

Can you exchange data between internal sub systems and/or with external systems?

Yes  No

EDI	
Does your organisation presently use an integration technology that is able to exchange EDI documents ?	Yes <input type="checkbox"/> No <input type="checkbox"/>
Does your organisation use a Clearing Center for converting EDI message data or do you convert them in-house ?	Extern <input type="checkbox"/> Intern <input type="checkbox"/>
If you carry out EDI conversions yourself, which software do you use? _____	
If you let the EDI conversion carry out externally, who is your partner ? _____	
Which EDI standard do you use ?	<input type="checkbox"/> EDIFACT, Subset _____ <input type="checkbox"/> Siemens <input type="checkbox"/> VDA <input type="checkbox"/> EANCOM <input type="checkbox"/> ANSI, version _____ <input type="checkbox"/> others, _____
Please estimate the percentage of order transactions for every order process:	XML: _____% EDI: _____% Fax: _____% Telephone: _____% Others: _____%
How do you transmit EDI data files ?	<input type="checkbox"/> email <input type="checkbox"/> FTP <input type="checkbox"/> HTTP-Upload <input type="checkbox"/> Telebox 400 <input type="checkbox"/> other service: _____
Do you use any system for coding your messages?	<input type="checkbox"/> No <input type="checkbox"/> Yes, which? _____