

KOSATEC Computer E-Services

Version 3.7
19.08.2020

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Changes

v3.7 19.08.2020	<ul style="list-style-type: none">• EDI API endpoint URL changed• Phone for shipping address in addOrder
v3.6 14.02.2020	<ul style="list-style-type: none">• Realtime API endpoint URL changed
v3.5 30.09.2019	<ul style="list-style-type: none">• Consistent authentication with customer id and edi key• Recommended retail price no longer maintained• Order reference must be unique, EDI error code 111 Order reference already used added
v3.4 23.01.2018	<ul style="list-style-type: none">• Price list CSV und XML added• EDI field title not used anymore• EDI field addressline2 format changed to varchar 50• EDI field order_reference changed to varchar 40• EDI addOrder price will not be checked against purchase price

General information

KOSATEC e-services currently consists of the following elements:

1. Price list

TXT, CSV and XML file with price and stock data for availability information.

2. Product data

Text file with additional content data (descriptions, images, etc.) for use in onlineshops.

3. Real-time information

Webservice to retrieve price and stock for a single product.

4. EDI order interface

Interface to transfer orders and retrieve shipping information.

Price list and product data are updated every 15 minutes on our server and can be accessed via HTTP protocol. For authentication customer number and license key needs to be passed in the URL.

Product images can be directly linked or downloaded via HTTP by the URLs contained in the product data file.

Price list (TXT)

Text file with price and stock data for availability information (separator tabulator “t”).

Please visit www.kosatec.de/e-services to activate (shop login needed).

Download-URL

http://data.kosatec.de/<customer_number>/<edi_key>/preisliste.txt

	No.	Name	Type (max. chars)	Comment
SKU	1	artnr	varchar(15)	KOSATECs stock keeping unit
MPN	2	herstnr	varchar(50)	Manufacturer part number
Item name	3	artname	varchar(50)	
Manufacturer	4	hersteller	varchar(255)	
Manufacturer URL	5	hersturl	varchar(255)	
EAN-13	6	ean	varchar(13)	
Purchase price	7	hek	double	Purchase price net without VAT. Empty when called without customer number and license key
Retail price	8	vkbrutto	double	No longer maintained
Availability	9	verfuegbar	char(1)	V = Available, B = Ordered or empty
Stock	10	menge	int	Contains numeric stock to 100. Quantities above 100 will be displayed as 100.
Estimated time of arrival	11	eta	date	Contains the estimated time of arrival in the format YYYY-MM-DD
Creation date	12	indate	date	Date of the first listing in format YYYY-MM-DD
Weight	13	gewicht	double	
End of life	14	eol	int(1)	1 = Product is end of life. Only selling of the remaining stock.
Category 1	15	kat1	varchar(50)	Root category
Category 2	16	kat2	varchar(50)	Subcategory
Category 3	17	kat3	varchar(50)	
Category 4	18	kat4	varchar(50)	
Category 5	19	kat5	varchar(50)	
Category 6	20	kat6	varchar(50)	

Price list (CSV)

CSV file with price and stock data for availability information (separator semicolon ;).

Please visit www.kosatec.de/e-services to activate (shop login needed).

Download-URL

http://data.kosatec.de/<customer_number>/<edi_key>/preisliste.csv

	No.	Name	Type (max. chars)	Comment
SKU	1	artnr	varchar(15)	KOSATECs stock keeping unit
MPN	2	herstnr	varchar(50)	Manufacturer part number
Item name	3	artname	varchar(50)	
Manufacturer	4	hersteller	varchar(255)	
Manufacturer URL	5	hersturl	varchar(255)	
EAN-13	6	ean	varchar(13)	
Purchase price	7	hek	double	Purchase price net without VAT. Empty when called without customer number and license key
Retail price	8	vkbrutto	double	No longer maintained
Availability	9	verfuegbar	char(1)	V = Available, B = Ordered or empty
Stock	10	menge	int	Contains numeric stock to 100. Quantities above 100 will be displayed as 100.
Estimated time of arrival	11	eta	date	Contains the estimated time of arrival in the format YYYY-MM-DD
Creation date	12	indate	date	Date of the first listing in format YYYY-MM-DD
Weight	13	gewicht	double	
End of life	14	eol	int(1)	1 = Product is end of life. Only selling of the remaining stock.
Category 1	15	kat1	varchar(50)	Root category
Category 2	16	kat2	varchar(50)	Subcategory
Category 3	17	kat3	varchar(50)	
Category 4	18	kat4	varchar(50)	
Category 5	19	kat5	varchar(50)	
Category 6	20	kat6	varchar(50)	

Price list (XML)

XML file with price and stock data for availability information.

Please visit www.kosatec.de/e-services to activate (shop login needed).

Download-URL

http://data.kosatec.de/<customer_number>/<edi_key>/preisliste.xml

	No.	Name	Type (max. chars)	Comment
SKU	1	id	varchar(15)	KOSATECs stock keeping unit
MPN	2	mpn	varchar(50)	Manufacturer part number
Item name	3	text	varchar(50)	
Manufacturer	4	man	varchar(255)	
EAN-13	5	ean	varchar(13)	
Purchase price	6	price	double	Purchase price net without VAT. Empty when called without customer number and license key
Stock	7	stock	int	Contains numeric stock to 100. Quantities above 100 will be displayed as 100.
Ordered	8	ordered	int	
Estimated time of arrival	9	eta	date	Contains the estimated time of arrival in the format YYYY-MM-DD
Creation date	10	indate	date	Date of the first listing in format YYYY-MM-DD
Weight	11	weight	double	
End of life	12	eol	int(1)	1 = Product is end of life. Only selling of the remaining stock.
Category ID	13	cat_id	Int	
Category 1	14	cat1	varchar(50)	Root category
Category 2	15	cat2	varchar(50)	Subcategory
Category 3	16	cat3	varchar(50)	
Category 4	17	cat4	varchar(50)	
Category 5	18	cat5	varchar(50)	
Category 6	19	cat6	varchar(50)	

Product data

Text file with additional content data (descriptions, images, etc.) for use in onlineshops.

Recommended use

Download and match the product data once a day, update the prices and stock every hour by downloading the price list (smaller file size).

Activation

Your access to the product data will be activated after ordering this service. The order form can be found at the end of this document.

Download-URL

http://data.kosatec.de/<customer_number>/<edi_key>/artikeldaten.txt

	No.	Name	Type (max. chars)	Comment
SKU	1	artnr	varchar(15)	KOSATECs stock keeping unit
MPN	2	herstrnr	varchar(50)	Manufacturer part number
Item name	3	artname	varchar(50)	
Manufacturer	4	hersteller	varchar(255)	
Manufacturer URL	5	hersturl	varchar(255)	
EAN-13	6	ean	varchar(13)	
Purchase price	7	hek	double	Purchase price net without VAT. Empty when called without customer number and license key
Retail price	8	vkbrutto	double	Recommended retail price
Availability	9	verfuegbar	char(1)	V = Available, B = Ordered or empty
Stock	10	menge	int	Contains numeric stock to 100. Quantities above 100 will be displayed as 100.
Estimated time of arrival	11	eta	date	Contains the estimated time of arrival in the format YYYY-MM-DD
Creation date	12	indate	date	Date of the first listing in format YYYY-MM-DD
Weight	13	gewicht	double	
End of life	14	eol	int(1)	1 = Product is end of life. Only selling of the remaining stock.
Category 1	15	kat1	varchar(50)	Root category
Category 2	16	kat2	varchar(50)	Subcategory

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Category 3	17	kat3	varchar(50)	
Category 4	18	kat4	varchar(50)	
Category 5	19	kat5	varchar(50)	
Category 6	20	kat6	varchar(50)	
Icecat title	21	title	varchar(255)	
Icecat short description	22	short_desc	text	
Icecat summary (short)	23	short_summary	text	
Icecat summary (long)	24	long_summary	text	
Icecat marketing text	25	marketing_text	text	May contain HTML tags like and
Icecat specifications or description by KOSATEC	26	specs	text	May contain HTML tags like and
URL datasheet	27	pdf	varchar(255)	PDF datasheet if available
URL manual	28	manual_pdf	varchar(255)	PDF manual if available
Image(s) S 100 x 75 px	29	image_s	text	Multiple images are separated by semicolon
Image(s) M 115 x 113 px	30	image_m	text	Multiple images are separated by semicolon
Image(s) L 200 x 150 px	31	image_l	text	Multiple images are separated by semicolon
Image(s) XL 1000 x 1000 px	32	image_xl	text	Multiple images are separated by semicolon

The appended blue fields are only contained in the product data and differs from the pricelist.

Real-time information

Webservice to retrieve price and stock for a single product.

Webservice-URL

<https://www.kosatec.de/web/rta/?out=xml&cid=customer-id&pass=edi-key&sku=540123>

Parameter	Description
out	Output format of the response "csv" or "xml"
cid	Your customer number (your username for the onlineshop)
pass	Your password for the onlineshop
sku	KOSATEC product id

CSV response

Field separator: semicolon (;)

Linebreak: Windows escape sequence (\r\n)

Format: SKU;stock;price

```
123456;48;399.9
```

XML response

```
<?xml version="1.0" encoding="utf-8"?>
<rta_response>
  <customer_no>12345</customer_no>
  <currency>EUR</currency>
  <item>
    <sku>123456</sku>
    <stock>48</stock>
    <price>399.9</price>
    <quantity>1</quantity>
  </item>
</rta_response>
```

Element	Description
customer_no	Customer number
currency	Currency (only EUR supported at this time)
item/sku	Requested SKU
item/stock	Numeric stock information to max. 100
item/price	Purchase price net without VAT
item/quantity	Requested quantity (always 1 at this time)

EDI order interface

You can place orders from your system directly into our ERP system as well as retrieve order status and receive dispatch notifications with shipping information To use this service you have to send documents in XML format via HTTPS to our interface.

For XML sample documents see page 14.

addOrder

The addOrder function places orders in our ERP system.

Webservice-URL

<https://edi.kosatec.de/v1/addOrder>

Request

Element	Format	Description	Mandatory
cid	varchar(15)	Customer number	X
pass		EDI Key	X
order_reference	varchar(40)	Your order reference (must be unique)	
test	bool	Test order true = Order will not be executed false or empty = Real order	
dropshipping	bool	Shipping to your customer with neutral packaging and neutral delivery note true = Neutral false = KOSATEC as sender	
express	bool	true = Express shipping false = Regular sipping	
notification_url	varchar(255)	The dispatch notifications for this order will be sent to this endpoint. Notifications have the same format like the response of the getOrderDetail function.	
text	text	Comments for this order	
shipping_address		Delivery address if needed	
company	varchar(50)	Company name	
firstname	varchar(30)	Firstname	
name	varchar(30)	Name	
addressline1	varchar(50)	Street and number	
addressline2	varchar(50)	Addressline	
zip	varchar(10)	Zip	
city	varchar(50)	City	
country	varchar(2)	Country code ISO 3166 ALPHA-2 (e.g. DE, AT,CH) See page 9 for allowed values.	
phone	varchar(25)	Phone number	

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item		One element per SKU	
sku	varchar(15)	KOSATEC product id	X
qty	int	Quantity	X
price	decimal		

List of allowed country codes

The following country codes can be used in the field country of the delivery address.

Country code	Country
BE	Belgium
BG	Bulgaria
DK	Denmark
DE	Germany
EE	Estonia
FI	Finland
FR	France
GR	Greece
GB	Great Britain
IE	Ireland
IT	Italy
HR	Croatia
LV	Latvia
LT	Lithuania
LU	Luxembourg
MT	Malta
NL	Netherlands
AT	Austria
PL	Poland
PT	Portugal
RO	Romania
SE	Sweden
CH	Switzerland
SK	Slovakia
SI	Slovenia
ES	Spain
CZ	Czech Republic
HU	Hungary
CY	Cyprus

For more information about ISO 3166 see: <https://de.wikipedia.org/wiki/ISO-3166-1-Kodierliste>

Response

Element	Format	Description
status	varchar(5)	Status OK or ERROR
code	int	See error codes
cid	varchar(15)	Customer number
order_id	varchar(15)	KOSATEC order id
order_reference	varchar(40)	Your order reference like order number
test	bool	Test order true = Order will not be executed false or leer = Real order
dropshipping	bool	Shipping to your customer with neutral packaging and neutral delivery note true = Neutral false = KOSATEC as sender
express	bool	true = Express shipping false = Regular sipping
notification_url	varchar(255)	The dispatch notifications for this this order will be sent to this endpoint. Notifications have the same format like the response of the getOrderDetail function.
text	text	Comments for this order
shipping_address		Delivery address if needed
company	varchar(50)	Company name
firstname	varchar(30)	Firstname
name	varchar(30)	Name
addressline1	varchar(50)	Street and number
addressline2	varchar(50)	Addressline
zip	varchar(10)	Zip
city	varchar(50)	City
country	varchar(2)	Country code ISO 3166 ALPHA-2 (e.g. DE, AT,CH) See page 9 for allowed values.
item		One element per SKU
sku	varchar(15)	KOSATEC product id
qty	int	Quantity
price	decimal	Optionally the last known purchase price can be transferred. If the price has changed in the meantime the order will be canceled and an error will be returned.

getOrderList

This function retrieves a list of all orders placed via the addOrder function.

Webservice-URL

<https://edi.kosatec.de/v1/getOrderList>

Request

Element	Format	Description	Mandatory
cid	varchar(15)	KOSATEC customer number	X
pass		EDI Key	X
start_date	date	Start date (format YYYY-MM-DD)	
end_date	date	End date (format YYYY-MM-DD)	

Response

Element	Format	Description
status	varchar(5)	Status OK or ERROR
code	int	See error codes
cid	varchar(15)	KOSATEC customer number
start_date	date	Start date (format YYYY-MM-DD)
end_date	date	End date (format YYYY-MM-DD)
item		One element per order
order_id	varchar(15)	KOSATEC order id
order_reference	varchar(40)	Your order reference
date	date	Date of the order in ISO 8601 format Example: 2016-09-29T15:20:35+02:00

getOrderDetail

This function retrieves the details of an order placed via the addOrder function. As soon as a delivery or partial delivery is made from an order, the result of this function is also sent to the notification_url set in the addOrder call.

The receipt of the XML dispatch notification to the notification_url needs to be confirmed with the message OK as response. Otherwise the notification will be sent max. 4 times with intervals of 6 hours.

Webservice-URL

<https://edi.kosatec.de/v1/getOrderDetail>

Request

Element	Format	Description	Mandatory
cid	varchar(15)	KOSATEC customer number	X
pass		EDI Key	X
order_id	varchar(15)	KOSATEC order id	X

Response

Element	Format	Beschreibung
status	varchar(5)	Status OK or ERROR
code	int	See error codes
cid	varchar(15)	Customer number
date	date	Date of the order in ISO 8601 format Example: 2016-09-29T15:20:35+02:00
order_id	varchar(15)	KOSATEC order id
order_reference	varchar(40)	Your order reference like order number
test	bool	Test order true = Order will not be executed false or leer = Real order
dropshipping	bool	Shipping to your customer with neutral packaging and neutral delivery note true = Neutral false = KOSATEC as sender
express	bool	true = Express shipping false = Regular shipping
notification_url	varchar(255)	The dispatch notifications for this this order will be sent to this endpoint. Notifications have the same format like the response of the getOrderDetail function.
text	text	Comments for this order
order_status	varchar(15)	in progress = order in progress/items in partial delivery completed = order completed/all items shipped
shipping_address		Delivery address if needed
company	varchar(50)	Company name
firstname	varchar(30)	Firstname

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name	varchar(30)	Name
addressline1	varchar(50)	Street and number
addressline2	varchar(50)	Addressline
zip	varchar(10)	Zip
city	varchar(50)	City
country	varchar(2)	Country code ISO 3166 ALPHA-2 (e.g. DE, AT,CH) See page 9 for allowed values.
item		One element per SKU
sku	varchar(15)	KOSATEC product id
qty	int	Quantity
price	decimal	Optionally the last known purchase price can be transferred. If the price has changed in the meantime the order will be canceled and an error will be returned.
shipped		Only available if items from this order have already been sent. Can occur several times in partial delivery.
invoice_id	varchar(15)	KOSATEC invoice id
tracking		Shipping information. Can occur several times when order is shipped with several packages.
carrier	varchar(15)	Carrier
code	varchar(50)	Tracking number
date	date	Time of delivery in ISO 8601 format Example: 2016-09-29T15:20:35+02:00
item		One element per SKU in this delivery
sku	varchar(15)	KOSATEC product id
qty	int	Quantity
price	decimal	Purchase price

Error codes

Code	Text
100	Transmission OK
101	Service temporary not available
102	Wrong XML format
103	Wrong login credentials
104	Shipping address incomplete
105	Product not found
106	Passed purchase price not up to date
107	Customer number is not activated for EDI orders
108	Order not found
109	Wrong country code
110	No SSL connection
111	Order reference already used

XML sample documents

The sample documents can be also downloaded here:

<http://www.kosatec.de/media/edi-v1-xml-samples.zip>

addOrder request

```
<?xml version="1.0" encoding="UTF-8"?>
<root>
  <cid>12345</cid>
  <pass>EDI Key</pass>
  <order_reference>ABC-123-456</order_reference>
  <test>>false</test>
  <dropshipping>>false</dropshipping>
  <express>>false</express>
  <notification_url>https://www.example.org/return-url</notification_url>
  <text>Freitextfeld</text>
  <shipping_address>
    <company>KOSATEC Computer GmbH</company>
    <firstname>Max</firstname>
    <name>Mustermann</name>
    <addressline1>Carl-Miele-Straße 3</addressline1>
    <addressline2></addressline2>
    <zip>38112</zip>
    <city>Braunschweig</city>
    <country>DE</country>
    <phone>+49531235447115</phone>
  </shipping_address>
  <item>
    <sku>1234</sku>
    <qty>1</qty>
    <price>29.9</price>
  </item>
  <item>
    <sku>1235</sku>
    <qty>2</qty>
    <price>19.5</price>
  </item>
</root>
```


addOrder response

```
<?xml version="1.0" encoding="UTF-8"?>
<root>
  <status>OK</status>
  <code>100</code>
  <cid>12345</cid>
  <order_id>B123456</order_id>
  <order_reference>ABC-123-456</order_reference>
  <test>>false</test>
  <dropshipping>>false</dropshipping>
  <express>>false</express>
  <notification_url>https://www.example.org/return-url</notification_url>
  <text>Freitextfeld</text>
  <shipping_address>
    <company>KOSATEC Computer GmbH</company>
    <firstname>Max</firstname>
    <name>Mustermann</name>
    <addressline1>Carl-Miele-Straße 3</addressline1>
    <addressline2></addressline2>
    <zip>38112</zip>
    <city>Braunschweig</city>
    <country>DE</country>
  </shipping_address>
  <item>
    <sku>1234</sku>
    <qty>1</qty>
    <price>29.9</price>
  </item>
  <item>
    <sku>1235</sku>
    <qty>2</qty>
    <price>19.5</price>
  </item>
</root>
```

getOrderList request

```
<?xml version="1.0" encoding="UTF-8"?>
<root>
  <cid>12345</cid>
  <pass>EDI Key</pass>
  <start_date>2016-09-01</start_date>
  <end_date>2016-09-26</end_date>
</root>
```

getOrderList response

```
<?xml version="1.0" encoding="UTF-8"?>
<root>
  <status>OK</status>
  <code>100</code>
  <cid>12345</cid>
  <start_date>2016-09-01</start_date>
  <end_date>2016-09-26</end_date>
  <item>
    <order_id>B123456</order_id>
    <order_reference>ABC-123-456</order_reference>
    <date>2016-09-26T12:51:16+02:00</date>
  </item>
  <item>
    <order_id>B123457</order_id>
    <order_reference>ABC-123-457</order_reference>
    <date>2016-09-26T12:55:51+02:00</date>
  </item>
</root>
```

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getOrderDetail request

```
<?xml version="1.0" encoding="UTF-8"?>
<root>
  <cid>12345</cid>
  <pass>EDI Key</pass>
  <order_id>B123456</order_id>
</root>
```

getOrderDetail response

```
<?xml version="1.0" encoding="UTF-8"?>
<root>
  <status>OK</status>
  <code>100</code>
  <cid>12345</cid>
  <date>2016-09-26T12:51:16+02:00</date>
  <order_id>B123456</order_id>
  <order_reference>ABC-123-456</order_reference>
  <test>false</test>
  <dropshipping>false</dropshipping>
  <express>false</express>
  <notification_url>https://www.example.org/return-url</notification_url>
  <text>Freitextfeld</text>
  <order_status>in progress</order_status>
  <shipping_address>
    <company>KOSATEC Computer GmbH</company>
    <firstname>Max</firstname>
    <name>Mustermann</name>
    <addressline1>Carl-Miele-Straße 3</addressline1>
    <addressline2></addressline2>
    <zip>38112</zip>
    <city>Braunschweig</city>
    <country>DE</country>
  </shipping_address>
  <item>
    <sku>1234</sku>
    <qty>1</qty>
    <price>29.9</price>
  </item>
  <item>
    <sku>1235</sku>
    <qty>2</qty>
    <price>19.5</price>
  </item>
  <shipped>
    <invoice_id>R234567</invoice_id>
```

```
<tracking>
  <carrier>GLS</carrier>
  <code>332100003650</code>
  <date>26.09.2016T15:26:00+02:00</date>
</tracking>
<item>
  <sku>1234</sku>
  <qty>1</qty>
  <price>29.9</price>
</item>
</shipped>
<shipped>
  <invoice_id>R234568</invoice_id>
  <tracking>
    <carrier>GLS</carrier>
    <code>332100003655</code>
    <date>26.09.2016T15:31:00+02:00</date>
  </tracking>
  <item>
    <sku>1235</sku>
    <qty>2</qty>
    <price>19.5</price>
  </item>
</shipped>
</root>
```

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