Rutronik Shop API

Vers. 1.2
20.6.2017

Introduction

The Rutronik Shop API provides a simple REST Webservice for searching parts in the Rutronik webshop.

Currently the API offers two methods. One for searching parts with an arbitrary searchterm and one for a detailed pricerequest with a concrete partnumber.

With every request you have to send an API-Key. You will get your personal key form your contact person at Rutronik.

The results are returned in JSON format.

Methods overview

Search
Searches and returns max.10 hits to a search term.

Pricerequest
Returns all information about a particular item number

Article
Reserved for search engines. Unlimited access.

Search

Searches for parts in the Rutronik shop. Returns a field with max. 10 hits.

Request:

https://www.rutronik24.com/api/search/?apikey=123&searchterm=xmc4000

Parameter:

searchterm your searchterm

JSON-Response:

[  
  { 
    "sku": "ICMCU22246", 
    "manufacturer": "INFINEON", 
    "mpn": "SP001093080", 
    "matchcode": "XMC4500-F100K1024 AC", 
    "description": "XMC4000 1024K LQFP-100 125\u00b0C ", 
    "package": "LQFP-100", 
    "packaging": "TRAY", 
    "pu": 1, 
}  
]
Pricerequest

This method expects a Rutronik partnumber or the name and partnumber of the supplier.

**Variation 1: Rutronik partnumber:**

https://www.rutronik24.com/api/pricerequest/?apikey=123&sku=ICMCU22250

**Parameter:**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>sku</td>
<td>Rutronik partnumber</td>
</tr>
</tbody>
</table>

**Variation 2: supplier partnumber:**
Parameter:
manufacturer  Name of supplier
mpn  supplier partnumber

return results are::
matchcode:  Rutronik matchcode
description:  Rutronik description
package:  e.g. SOT23
packaging:  e.g. BULK / REEL / TUBE
url  link to this article in the Rutronik shop
pu:  unit pack
moq:  minimum order quantity
stock:  free stock
leadtime:  standard delivery time in weeks provided by supplier
currency:  ISO-Code e.g. EUR, USD
price:  price per unit
pricebreaks:  scale prices

JSON-Response:
{
  "sku":"ICMCU22250",
  "manufacturer":"INFINEON",
  "mpn":"SP001093082",
  "matchcode":"XMC4500-F144K1024 AC",
  "description":"XMC4000 1024K LQFP-144 125\u00b0C",
  "package":"LQFP-144",
  "packaging":"TRAY",
  "url":"https://www.rutronik.com/product/4844296/INFINEON/SP001093082.html",
  "pu":1,
  "moq":1,
  "stock":340,
  "leadtime":10,
  "currency":"EUR",
  "price":8.93,
  "pricebreaks": [{
    "quantity": 1,
    "price": 8.93
  },
  {
    "quantity": 100,
    "price": 8.335
  },
  {
    "quantity": 250,
    "price": 7.8588
  }]
}

Article
This method is intended for online platforms or component search machines. The Article method can handle a large number of queries, but it provides only the most necessary information about an article, as well as the
standard prices and delivery times.
The search is for the manufacturer part number. Exactly one article is returned if the part number matches exactly.

**Request:**

https://www.rutronik24.com/api/article/?apikey=123&mpn=0805YD475KAT2A

**Parameter:**

<table>
<thead>
<tr>
<th>mpn</th>
<th>supplier partnumber</th>
</tr>
</thead>
</table>

**JSON-Response:**

```json
{
    "sku": "KKK19424",
    "manufacturer": "AVX",
    "mpn": "0805YD475KAT2A",
    "package": "0805",
    "packaging": "REEL BLI",
    "pu": 3000,
    "moq": 3000,
    "stock": 0,
    "pipeline": "Soon available",
    "currency": "USD",
    "price": "0.0164",
    "pricebreaks": [{
        "quantity": "3000",
        "price": "0.0321"
    },
    {"quantity": "9000",
     "price": "0.0287"
    },
    {"quantity": "45000",
     "price": "0.0261"
    },
    {"quantity": "150000",
     "price": "0.025"
    },
    {"quantity": "0",
     "price": "0"
    }]
}
```