

How to use Order Status API?

SUMMARY

API OVERVIEW AND USAGE	2
AUTHENTICATION GUIDE	2
SERVICES.....	2
HOW IT WORKS	3
1. REQUEST STRUCTURE: INPUT PARAMETERS	3
1.1. SEARCH FOR ORDERS	3
1.2. ORDER AND ITEM DETAILS.....	4
2. RESPONSES STRUCTURE: OUTPUT PARAMETERS	5
2.1. HTTP STATUS CODE: 200 OK.....	5
2.2. HTTP STATUS CODE: 400 BAD REQUEST	10
2.3. HTTP STATUS CODE: 401 INVALID TOKEN	10
2.4. HTTP STATUS CODE: 404 NOT FOUND	10
2.5. HTTP STATUS CODE: 500 FAULT FROM SERVER.....	10
SUPPORT	11

○ API overview and usage

Order Status API provides real-time information about your Schneider Electric orders (order placed through any SE application) your ERP and/or tracking system.

You can retrieve general information, item details and shipping information of your orders linked to your account.

This document provides a general tutorial for users who want to consume the Order Status API.

○ Authentication guide

This API uses API keys to authenticate and allow access to the API.

Your API keys carry many privileges, so be sure to keep them secure!

To know more about authentication process, have a look at the dedicated [authentication documentation](#).

For any authentication request and know if you are eligible to API onboarding please contact your local SE API Manager or SE API Team at apifirst@se.com

○ Services

Order Status API includes **3 levels of services**, those are link to a predefine account number and country:

- General information about all orders
- General information about a specific order
- General information about an order according to a status
- Item details of an order
- Shipping schedule of an item

○ How it works

1. Request structure: Input Parameters

URL for Order Status API in Production: <https://api.se.com/v1/supply-chain/partner-order-status>

There are 3 endpoints (GET). The request structure is detailed for each of the endpoints:

1.1. Search for orders: <https://api.se.com/v1/supply-chain/partner-order-status/orders/{country}>

This method is used to find all the orders linked to an account. The only one mandatory input parameter is the country code (e.g. France=FR, Russia=RU, Brazil=BR...), other parameters are optional.

If there are more than 200 orders in the list, please use pagination.

1.1.1. Pagination

Each page has 200 orders maximum. By using pagination, you can get :

- "totalNumberOfRecords" corresponds to the number of all the orders of the account
- "pageNumber" corresponds to the page you are seeing
- "totalNumberOfPages" corresponds to the number of pages to cover the "totalNumberOfRecords"

1.1.2. If the total number of orders is > 200, What parameters should I use?

It is recommended to filter as much as possible your query to have a limited "totalNumberOfRecords". There are 4 recommended parameters:

- [/{country}?order-status={orderStatusCode}](#) corresponds to the status of the order define on the ERP
- [/{country}?purchaserid={purchaserid}](#) corresponds to the purchaser ID with which the order as been submitted
- [/{country}&page-size={NumberOfOrders}](#) corresponds to the number of orders to be displayed on one page
- [/{country}&page={pageNumber}](#) corresponds to the page of result to return

1.2. **Order and item details:** <https://api.se.com/v1/supply-chain/partner-order-status/orders/{country}/{order-number}>

This method is used to find **details of a specific order**. In addition to the country code, **one more mandatory input** to provide: the **order number**.

An order can contain multiple items. An **Item line** generally correspond to **a quantity of a product/service** (< 1 qty) starting from 000010

- [/{country}/{order-number}/{item-number}](#) to get information on one specific item of an order

1.3. **Shipment details:** <https://api.preprod.se.com/v1/supply-chain/partner-order-status/orders/{country}/{order-number}/{item-number}/shipment-schedules>

This method is used to find information about **an order's item shipment information and details**. One product of an order (which is equal to one line or item in the order) can have several shipping schedules and each shipping schedule can have several sets of tracking information.

In addition to the country code, to the order number and to the item number, **one more mandatory input parameter to provide: the shipment schedule**.

- [/{country}/{order-number}/{item-number}/shipment-schedules](#) to get all the details regarding the items shipment and track it with precision.

2. Responses Structure: Output parameters

The response will be in **JSON data format**.

2.1. HTTP Status Code: 200 OK

2.1.1. **Search for orders:** <https://api.se.com/v1/supply-chain/partner-order-status/orders/{country}>

```
"orderList": [  
  {  
    "orderNumber": "010011111",  
    "orderStatus": {  
      "orderStatusCode": "Open",  
      "orderStatusLabel": "Open",  
      "orderStatusDescription": "Open"  
    },  
    "purchaserID": 1100001111,  
    "poNumber": "201120/1",  
    "releaseDate": "2020-01-20T15:17:02Z",  
    "expressDelivery": false,  
    "orderPlacedThrough": "mySE",  
    "totalAmount": {  
      "value": 150000.00,  
      "currency": "USD"  
    },  
    "totalAmountWithTax": {  
      "value": 170000.05,  
      "currency": "RUB"  
    }  
  },  
],  
"pagination": {  
  "totalNumberOfRecords": 1,  
  "pageNumber": 1,  
  "totalNumberOfPages": 1  
}
```

2.1.2. **Order and item details:** <https://api.se.com/v1/supply-chain/partner-order-status/orders/{country}/{order-number}>

```
{
  "orderNumber": "0100111111",
  "poNumber": "201120/1",
  "purchaserID": 1500001111,
  "accountName": "000 \"Dummy Account Name\"",
  "carrierName": "Standard",
  "completeDelivery": false,
  "expressDelivery": false,
  "releaseDate": "2020-11-01T15:17:02Z",
  "orderPlacedThrough": "mySE",
  "paymentTermsCode": "0N04",
  "paymentTermsLabel": "30 Days Due Net",
  "totalAmount": {
    "value": 1500000.70,
    "currency": "RUB"
  },
  "totalAmountWithTax": {
    "value": 170000.05,
    "currency": "RUB"
  },
  "customer": {
    "customerID": 1500014292,
    "customerName": "000 \" Dummy Account Name \""
  },
  "orderStatus": {
    "orderStatusCode": "InProgress",
    "orderStatusLabel": " InProcess "
  },
  "itemList": [
    {
      "item": {
        "itemNumber": "000010",
        "productReference": 3606480073526,
        "description": "NSX100F 100A AC/DC",
```

```
"catalogNumber": "LV438570",
"totalQtyOrdered": 3,
"estimatedDeliveryDate": "2020-12-12T21:00:00Z",
"lastDeliveryDate": "2020-12-12T21:00:00Z",
"itemStatusCode": "Open",
"itemStatusLabel": "Open",
"totalBackOrdered": 3,
"priceNet": {
  "currency": "RUB",
  "value": 19000.0
},
"priceIncludingTax": {
  "currency": "RUB",
  "value": 2000.0
},
"shipTo": [
  {
    "shipToCountry": "RU"
  }
]
},
{
  "item": {
    "itemNumber": "000020",
    "productReference": 3606480379598,
    "description": "АВТОМАТИЧЕСКИЙ ВЫКЛ.",
    "catalogNumber": "A9N18388",
    "totalQtyOrdered": 1,
    "totalQtyShipped": 1,
    "estimatedDeliveryDate": "2020-01-24T21:00:00Z",
    "lastDeliveryDate": "2020-01-24T21:00:00Z",
    "itemStatusCode": "FullyShipped",
    "itemStatusLabel": "Fully Shipped",
    "totalBackOrdered": 0,
    "priceNet": {
```

```
    "currency": "RUB",
    "value": 19000.0
  },
  "priceIncludingTax": {
    "currency": "RUB",
    "value": 20000.0
  },
  "shipTo": [
    {
      "shipToCountry": "RU"
    }
  ]
},
]
```


2.1.3. **Shipment details:** <https://api.preprod.se.com/v1/supply-chain/partner-order-status/orders/{country}/{order-number}/{item-number}/shipment-schedules>

```
{
  "orderNumber": "0100476011",
  "poNumber": "201120/1",
  "item": {
    "itemNumber": "000180",
    "productReference": 3389110102697,
    "catalogNumber": "XB5KSM",
    "shippingScheduleList": [
      {
        "shippingSchedule": {
          "shipmentNumber": "0118897111",
          "shippedQuantity": 0,
          "shipmentLocation": "RU01",
          "carrierName": 11060111,
          "promiseDate": "2020-11-11T21:00:00Z",
          "notBeforeDate": "2020-11-11T21:00:00Z",
          "routing": "Москва Навиния сборный",
          "trackingNumbersList": [
            {
              "tracking": {
                "trackingNumber": "00111102011034111111",
                "trackingURL":
                  "http://mail.naaaaaa.com/Web_Serv/hs/Tracking/001111111111111111"
              }
            }
          ]
        }
      }
    ]
  }
}
```

2.2. HTTP Status Code: 400 Bad Request

Something went wrong and the server cannot recognize the request. Please check if the call is corresponding the described structure and try once more.

2.3. HTTP Status Code: 401 Invalid tokens

It might be that your token has expired; please request a new one (link to the Authorization page) and try once again.

2.4. HTTP Status Code: 404 Not Found

The call structure is correct, but this set of the inputs cannot be found. Please check the Error Message for more info. Possible error codes (all are string): " Empty_OrderNumber": Applicable for Order Details and Shipping Schedule methods. Please check if you have provided the Order Number parameter as it's mandatory. " Invalid_Input": One of the inputs provided is wrong. Please check the parameters." Invalid_OrderNumber": The Order Number is provided, but we cannot find anything related to it. Please provide another Order Number. " Empty_ItemNumber": Applicable for Shipment Schedule method. Please check if you've provided the Item Number.

2.5. HTTP Status Code: 500 Fault from server

Seems like we're having some issues with the server. Please try again later, it won't take long.

○ Support

Please **contact your local SE API Manager** or SE API support team at apifirst@se.com

In your request, make sure you add as much information you have, such as:

- mention the involved endpoint
- give the request that generates the error
- copy paste any error message you received
- add some screen shot